

資料 4 - 2 - 2

| 泊発電所 3 号炉審査資料 |                 |
|---------------|-----------------|
| 資料番号          | SA62H-9 r. 0. 0 |
| 提出年月日         | 令和5年2月14日       |

泊発電所 3 号炉  
設置許可基準規則等への適合状況について  
(重大事故等対処設備)  
補足説明資料  
比較表

62条

令和 5 年 2 月  
北海道電力株式会社

枠囲みの内容は機密情報に属しますので公開できません。

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3 / 4号炉   | 女川原子力発電所2号炉  | 泊発電所3号炉   | 相違理由   |
|--|--|---|--|
| <p>62-1 SA設備基準適合性一覧表</p> <p>62-2 配置図</p> <p>62-3 アクセスルート</p> <p>62-4 試験・検査説明資料</p> <p>62-5 系統図</p> <p>62-6 容量設定根拠</p> <p>62-7 (欠番)</p> <p>62-8 設置許可基準規則等への適合状況説明資料</p> | <p>62条 通信連絡を行うために必要な設備</p> <p>&lt;目次&gt;</p> <p>62-1 SA設備基準適合性一覧表</p> <p>62-2 単線結線図</p> <p>62-3 配置図</p> <p>62-4 系統図</p> <p>62-5 試験及び検査</p> <p>62-5 容量設定根拠</p> <p>62-7 アクセスルート図</p> <p>62-8 設備操作に関する説明書</p> | <p>62条 通信連絡を行うために必要な設備</p> <p>&lt;目次&gt;</p> <p>62-1 SA設備基準適合性一覧表<br/> <span style="color: blue;">【62-6 適合状況説明資料を再掲して比較】</span></p> <p>62-2 配置図</p> <p>62-3 試験・検査説明資料</p> <p>62-4 系統図</p> <p>62-5 容量設定根拠</p> <p><span style="color: blue;">【62-2 配置図を再掲して比較】</span></p> <p>62-6 設置許可基準規則等への適合状況説明資料</p> <p>62-7 設備操作に関する説明書</p> | <p>【女川・大飯】</p> <p>資料構成の相違</p> <ul style="list-style-type: none"> <li>・女川とは資料の順序が異なるが、内容は同等である。</li> <li>・大飯との資料順序も異なる。</li> <li>・本比較表では、他社資料に対する泊の資料の充足性を確認するため、各社の記載箇所に泊の記載を再掲して比較することとしており、比較のために再掲する箇所を【 】で示した。</li> </ul> <p>・62-6 適合状況説明資料については、他社資料に対する泊の資料の充実性を確認するだけにしており、内容の比較については 設置許可基準第35条通信連絡設備で行っている。</p> |

泊発電所3号炉 SA基準適合性 比較表

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉        | 女川原子力発電所2号炉           | 泊発電所3号炉            | 相違理由 |
|-------------------|-----------------------|--------------------|------|
| 62-1 SA設備基準適合性一覧表 | 62-1<br>SA設備基準適合性 一覧表 | 62-1 SA設備 基準適合性一覧表 |      |

赤字：設備、運用又は体制の相違（設計方針の相違）  
青字：記載箇所又は記載内容の相違（記載方針の相違）  
緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所3/4号炉

女川原子力発電所2号炉

泊発電所3号炉

相違理由

女川原子力発電所2号炉 SA設備基準適合性 一覧表（可搬）

泊発電所3号炉 SA設備基準適合性 一覧表（可搬）

【女川・大飯】記載表現の相違  
・女川は1シートに2つの設備を記載。  
・泊は1シート1設備で記載。  
・大飯は1シートに5つの設備を記載。  
・いずれも43条への適合性を説明している。

Table with multiple columns for equipment specifications and compliance status for the Ohi Nuclear Power Plant units 3 and 4.

Table with multiple columns for equipment specifications and compliance status for the Onagawa Nuclear Power Plant unit 2.

Table with multiple columns for equipment specifications and compliance status for the Ohi Nuclear Power Plant unit 3.

※本表は、(1)記載表現が異なる設備は、記載表現が異なる旨を記載する。  
※(2)記載表現が異なる設備は、記載表現が異なる旨を記載する。記載表現が異なる旨を記載する場合は、(1)に記載したとおり記載する。



赤字：設備、運用又は体制の相違（設計方針の相違）  
青字：記載箇所又は記載内容の相違（記載方針の相違）  
緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所 3 / 4 号炉

女川原子力発電所 2 号炉

泊発電所 3 号炉

相違理由

【再掲】

【再掲】

泊発電所 3 号炉 SA 設備基準適合性 一覧表(可搬)

【女川・大飯】記載表現の相違  
・女川は 1 シートに 2 つの設備を記載。比較のために記載順を変更（必要に応じて再掲）  
・泊は 1 シート 1 設備で記載。  
・大飯は 1 シートに 4 つの設備を記載。  
・いずれも 43 条への適合性を説明している。

Table with multiple columns for equipment comparison between Ohi and Onagawa. Includes headers for equipment name, description, and compliance status.

女川原子力発電所 2 号炉 SA 設備基準適合性 一覧表(可搬)

Table with multiple columns for equipment comparison between Onagawa and Ohi. Includes headers for equipment name, description, and compliance status.

Table with multiple columns for equipment comparison between Ohi and Ohi. Includes headers for equipment name, description, and compliance status.

※1) 同一設備が異なる規格に適合している場合は、適合規格を記載する。  
※2) 同一設備が異なる規格に適合している場合は、適合規格を記載する。  
※3) 同一設備が異なる規格に適合している場合は、適合規格を記載する。

赤字：設備、運用又は体制の相違（設計方針の相違）  
青字：記載箇所又は記載内容の相違（記載方針の相違）  
緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所 3 / 4 号炉

女川原子力発電所 2 号炉

泊発電所 3 号炉

相違理由

【再掲】

【再掲】

泊発電所 3 号炉 SA 設備基準適合性 一覧表(可搬)

【女川・大飯】記載表現の相違  
・女川は 1 シートに 2 つの設備を記載。比較のために記載順を変更（必要に応じて再掲）  
・泊は 1 シート 1 設備で記載。  
・大飯は 1 シートに 4 つの設備を記載。  
・いずれも 43 条への適合性を説明している。

Table with multiple columns for equipment comparison between Ohi and Onagawa power plants. Includes headers for equipment name, specifications, and compliance status.

女川原子力発電所 2 号炉 SA 設備基準適合性 一覧表(可搬)

Table titled '女川原子力発電所 2 号炉 SA 設備基準適合性 一覧表(可搬)' comparing equipment between Onagawa and Ohi power plants. Columns include equipment name, specifications, and compliance status.

泊発電所 3 号炉 SA 設備基準適合性 一覧表(可搬)

Table titled '泊発電所 3 号炉 SA 設備基準適合性 一覧表(可搬)' comparing equipment between Ohi and Onagawa power plants. Columns include equipment name, specifications, and compliance status.

※ 1) 同一設備名に異なる仕様を記載している場合は、その仕様を比較対象とする。  
※ 2) 同一設備名に異なる仕様を記載している場合は、その仕様を比較対象とする。





赤字：設備、運用又は体制の相違（設計方針の相違）  
青字：記載箇所又は記載内容の相違（記載方針の相違）  
緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所 3 / 4 号炉

女川原子力発電所 2 号炉

泊発電所 3 号炉

相違理由

【再掲】

【再掲】

泊発電所 3 号炉 S A 設備基準適合性 一覧表(常設)

【女川・大飯】記載表現の相違  
・女川は 1 シートに 2 つの設備を記載。  
・泊は 1 シート 1 設備で記載。  
・大飯は 1 シートに 4 つの設備を記載。  
・いずれも 43 条への適合性を説明している。

【女川】設計方針の相違  
2-2⑥記載の通り。

Table with multiple columns for equipment specifications and compliance status for the Ohi 3/4 reactors. Includes a '再掲' (reprint) label.

女川原子力発電所 2 号炉 S A 設備基準適合性 一覧表(常設)

女川原子力発電所 2 号炉 S A 設備基準適合性 一覧表(常設)

Table with multiple columns for equipment specifications and compliance status for the Onagawa 2 reactor. Includes a '再掲' (reprint) label.

Table with multiple columns for equipment specifications and compliance status for the Ohi 3 reactor.

\* 別添「表 5 設備基準適合性比較表」に記載の欄外には記載していません。  
\* 「F」は設備の相違による適合性の相違を示す記号です。設備の相違による適合性の相違を示す記号です。設備の相違による適合性の相違を示す記号です。





赤字：設備、運用又は体制の相違（設計方針の相違）  
青字：記載箇所又は記載内容の相違（記載方針の相違）  
緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所3/4号炉

女川原子力発電所2号炉

泊発電所3号炉

相違理由

【再掲】

Table with multiple columns for equipment specifications and comparison criteria. Includes headers for '項目' (Item), '大飯' (Obiwa), and '女川' (Miyatake). Rows list various components like '電源装置', '制御装置', and '監視装置' with their respective specifications and comparison results.

【再掲】

女川原子力発電所2号炉 SA設備基準適合性 一覧表(常設)

女川原子力発電所2号炉 SA設備基準適合性一覧表(常設)

Table titled '女川原子力発電所2号炉 SA設備基準適合性一覧表(常設)'. It compares specifications between '大飯発電所3号炉' and '女川原子力発電所2号炉' across various equipment categories like '電源装置', '制御装置', and '監視装置'. The table includes columns for '項目', '大飯', and '女川'.

泊発電所3号炉 SA設備基準適合性 一覧表(常設)

泊発電所3号炉 SA設備基準適合性 一覧表(常設)

Table titled '泊発電所3号炉 SA設備基準適合性 一覧表(常設)'. It compares specifications between '大飯発電所3号炉' and '泊発電所3号炉' across various equipment categories like '電源装置', '制御装置', and '監視装置'. The table includes columns for '項目', '大飯', and '泊'.

【女川・大飯】記載表現の相違  
・女川は1シートに2つの設備を記載。  
・泊は1シート1設備で記載。  
・大飯は1シートに4つの設備を記載。  
・いずれも43条への適合性を説明している。







赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

【再掲】

大飯発電所3/4号炉

| 項目    | 大飯発電所3号炉 | 大飯発電所4号炉 | 女川原子力発電所2号炉 |
|-------|----------|----------|-------------|
| 1. 設備 | ...      | ...      | ...         |
| 2. 運用 | ...      | ...      | ...         |
| 3. 体制 | ...      | ...      | ...         |

女川原子力発電所2号炉

| 項目    | 女川原子力発電所2号炉 |
|-------|-------------|
| 1. 設備 | ...         |
| 2. 運用 | ...         |
| 3. 体制 | ...         |

泊発電所3号炉 SA設備基準適合性 一覧表(常設)

| 項目    | 泊発電所3号炉 SA設備基準適合性 一覧表(常設) | 相違理由 |
|-------|---------------------------|------|
| 1. 設備 | ...                       | ...  |
| 2. 運用 | ...                       | ...  |
| 3. 体制 | ...                       | ...  |



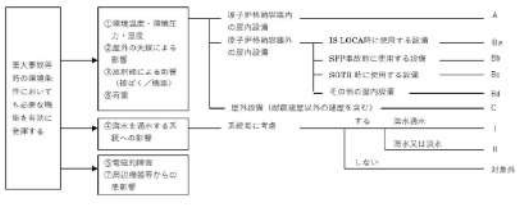
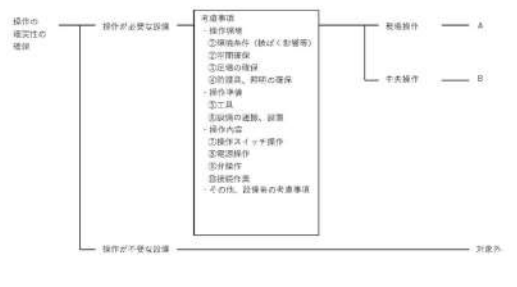
相違理由

【女川】設計の相違  
 2-2③記載のとおり。





赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3 / 4号炉   | 女川原子力発電所2号炉 | 泊発電所3号炉  | 相違理由                                    |
|--|-------------|--|---|
| <p>大飯3、4号炉<br/>SA設備基準適合性一覧表の記号説明</p> <p>■設置許可基準規則 第43条 第1項 第1号<br/>重大事故等時の環境条件における健全性について</p>  <p>①環境破壊・環境汚染・地震<br/>②炉内の天候による影響<br/>③放射線による影響（排ばく/機器）<br/>④異常電圧<br/>⑤海水を透過する系統への影響<br/>⑥電圧降下による影響<br/>⑦周辺機器等からの電磁界</p> <p>原子炉格納容器内の炉内設備<br/>原子炉格納容器内の炉内設備<br/>IS/LOCAR時に使用する設備<br/>SFP事故時に使用する設備<br/>SOTS時に使用する設備<br/>その他の炉内設備<br/>格納容器（燃料調整器以外の機器を含む）</p> <p>系統ごとに相違<br/>する<br/>しない<br/>対応外</p> <p>①海水を透過する系統については、I：通常時に海水を透過する系統、II：洪水又は海水からの浸透である系統、III：海水を透過しない系統で分類する。</p> <p>■設置許可基準規則 第43条 第1項 第2号<br/>操作の確実性について</p>  <p>操作の確実性の確保<br/>操作が必要な設備<br/>共通事項<br/>- 保守作業<br/>- 保守準備<br/>- 保守内容<br/>- 保守計画<br/>- 保守実施<br/>- 保守完了<br/>- その他、設備ごとの共通事項</p> <p>操作が不要な設備</p> <p>特殊操作<br/>中央操作</p> <p>※：設備ごとに対応の範囲をわけて異なるため、その対応を設備ごとに記載する。<br/>     (例：A②、A③、A④等)</p> |             | <p>泊3号炉<br/>SA設備基準適合性一覧表の記号説明</p> <p>■設置許可基準規則 第43条 第1項 第1号<br/>重大事故等時の環境条件における健全性について</p>  <p>重大事故等時の環境条件における健全性の確保<br/>環境破壊・環境汚染・地震<br/>炉内の天候による影響<br/>放射線による影響（排ばく/機器）<br/>異常電圧<br/>海水を透過する系統への影響<br/>電圧降下による影響<br/>周辺機器等からの電磁界</p> <p>原子炉格納容器内の炉内設備<br/>原子炉格納容器内の炉内設備<br/>IS/LOCAR時に使用する設備<br/>SFP事故時に使用する設備<br/>SOTS時に使用する設備<br/>その他の炉内設備<br/>格納容器（燃料調整器以外の機器を含む）</p> <p>系統ごとに相違<br/>する<br/>しない<br/>対応外</p> <p>■設置許可基準規則 第43条 第1項 第2号<br/>操作の確実性について</p>  <p>操作の確実性の確保<br/>操作が必要な設備<br/>共通事項<br/>- 保守作業<br/>- 保守準備<br/>- 保守内容<br/>- 保守計画<br/>- 保守実施<br/>- 保守完了<br/>- その他、設備ごとの共通事項</p> <p>操作が不要な設備</p> <p>特殊操作<br/>中央操作</p> | <p>【女川】記載方針の差異<br/>大飯と同様に分類を記載している。</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉  | 女川原子力発電所2号炉 | 泊発電所3号炉   | 相違理由   |
|---|-------------|---|--|
| <p>■設置許可基準規則 第43条 第1項 第3号<br/>試験又は検査料について</p> <p>■設置許可基準規則 第43条 第1項 第4号<br/>切り替え性について</p> <p>■設置許可基準規則 第43条 第1項 第5号<br/>重大事故等対策設備の遮断器防止について</p> <p>※：Aについては、Aと考慮事項の番号を記載する。（例：A①、A②等）</p> |             | <p>■設置許可基準規則 第43条 第1項 第3号<br/>試験又は検査料について</p> <p>■設置許可基準規則 第43条 第1項 第4号<br/>切り替え性について</p> <p>■設置許可基準規則 第43条 第1項 第5号<br/>重大事故等対策設備の遮断器防止について</p> <p>※：Aについては、Aと考慮事項の番号を記載する。（例：A①、A②等）</p> | <p>【女川】記載方針の差異<br/>         大飯と同様に分類を記載している。</p> |



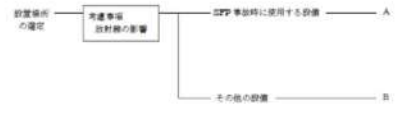

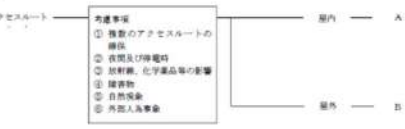

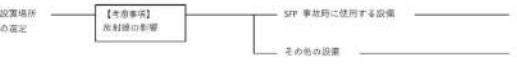
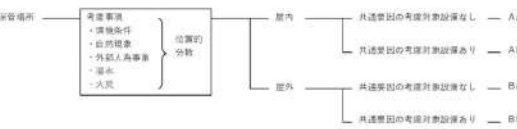

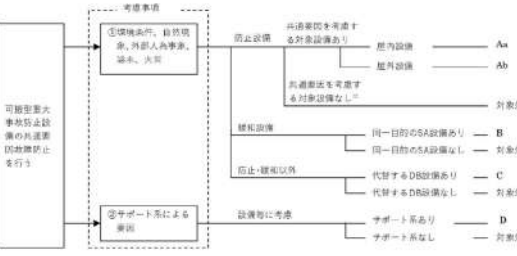
赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3/4号炉   | 女川原子力発電所2号炉                 | 泊発電所3号炉  | 相違理由 |      |      |    |   |                             |   |  |   |
|--|-----------------------------|--|------|------|------|----|---|-----------------------------|---|--|---|
| <p>■設置許可基準規則 第43条 第1項 第6号<br/>設置場所について</p> <p>■設置許可基準規則 第43条 第2項 第1号<br/>常設重大事故等対応設備の容量等について</p> <p>■設置許可基準規則 第43条 第2項 第2号<br/>発電用原子炉施設での共用の禁止について</p> <p>■設置許可基準規則 第43条 第2項 第3号<br/>常設重大事故防止設備の共通使用設備について</p> <p>※：記号の記載については、考慮事項の番号+文字を組み記載する。（例：①a、①b、②a、②b）</p> |                             | <p>■設置許可基準規則 第43条 第1項 第6号<br/>常設重大事故等対応設備の容量等について</p> <p>■設置許可基準規則 第43条 第2項 第1号<br/>常設重大事故等対応設備の容量等について</p> <p>■設置許可基準規則 第43条 第2項 第2号<br/>発電用原子炉施設での共用の禁止について</p> <table border="1"> <thead> <tr> <th>区分</th> <th>設計方針</th> <th>関連資料</th> <th>備考</th> </tr> </thead> <tbody> <tr> <td>-</td> <td>2以上の発電用原子炉施設において共用しない設計とする。</td> <td>-</td> <td></td> </tr> </tbody> </table> <p>■設置許可基準規則 第43条 第2項 第3号<br/>常設重大事故防止設備の共通使用設備について</p> | 区分   | 設計方針 | 関連資料 | 備考 | - | 2以上の発電用原子炉施設において共用しない設計とする。 | - |  | <p>【女川】記載方針の差異<br/>大飯と同様に分類を記載している。</p> |
| 区分   | 設計方針                        | 関連資料   | 備考   |      |      |    |   |                             |   |  |   |
| -  | 2以上の発電用原子炉施設において共用しない設計とする。 | -  |      |      |      |    |   |                             |   |  |   |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3/4号炉  | 女川原子力発電所2号炉  | 泊発電所3号炉  | 相違理由   |
|---|--|--|--|
| <p>■設置許可基準規則 第45条 第3項 第1号<br/>可搬型重大事故等対応設備の容量等について</p> <p>【考慮事項】</p> <ul style="list-style-type: none"> <li>① 原子炉建屋の外から又は電力を供給する設備かどうか</li> <li>② 負荷に直接接続する可搬型直流電源設備、可搬型バッテリー、可搬型ポンプ等かどうか</li> </ul> <p>原子炉建屋の外から又は電力を供給する可搬型設備 — A</p> <p>負荷に直接接続する可搬型直流電源設備、可搬型バッテリー、可搬型ポンプ等 — B</p> <p>①、②以外 — C</p> <p>予備容量の考えかた</p>  | <p>■設置許可基準規則 第45条 第3項 第1号<br/>可搬型重大事故等対応設備の容量等について</p> <p>【考慮事項】</p> <ul style="list-style-type: none"> <li>① プラント定検中等当該可搬型重大事故等対応設備の機能を要求されない時期に保守点検を実施するかどうか</li> <li>② 保守点検中でも使用可能（内蔵自保、給油・給電、メカチェック、機能確認等一次点検（点検済みの設備との取替含む）の後に事前に取替品を準備してから保守点検するかどうか）である設備</li> </ul> <p>プラント定検中等当該可搬型重大事故等対応設備の機能を要求されない時期に保守点検を実施する設備 — a</p> <p>保守点検中でも使用可能（内蔵自保、給油・給電、メカチェック、機能確認等一次点検（点検済みの設備との取替含む）の後に事前に取替品を準備してから保守点検するかどうか）である設備 — b</p> <p>①、②以外 — c</p>   | <p>■設置許可基準規則 第45条 第3項 第1号<br/>可搬型重大事故等対応設備の容量等について</p> <p>【考慮事項】</p> <ul style="list-style-type: none"> <li>① 原子炉建屋又は原子炉建屋の外から又は電力を供給する可搬型設備</li> <li>② 負荷に直接接続する可搬型バッテリー及び可搬型ポンプ等かどうか</li> <li>③ ②以外</li> </ul> <p>原子炉建屋又は原子炉建屋の外から又は電力を供給する可搬型設備 — A</p> <p>負荷に直接接続する可搬型バッテリー及び可搬型ポンプ等 — B</p> <p>③、②以外 — C</p> <p>予備容量をきめて設計方針とする。</p>  | <p>【女川】記載方針の差異<br/>大飯と同様に分類を記載している。</p>  |
| <p>■設置許可基準規則 第45条 第3項 第2号<br/>可搬型重大事故等対応設備の常設設備との接続性について</p> <p>【考慮事項】</p> <ul style="list-style-type: none"> <li>① 当該設備の構造</li> <li>② 接続部の接続の統一</li> </ul> <p>ケーブル</p> <ul style="list-style-type: none"> <li>コネクタ接続 — A</li> <li>より兼用な接続規格等による接続 — C</li> </ul> <p>配管</p> <ul style="list-style-type: none"> <li>ボルト締フランジ接続 — B</li> <li>より兼用な接続規格等による接続 — C</li> <li>その他の構造 — D</li> <li>接続なし — E</li> </ul> <p>接続（常設設備と接続するものに係る）</p> | <p>■設置許可基準規則 第45条 第3項 第2号<br/>可搬型重大事故等対応設備の常設設備との接続性について</p> <p>【考慮事項】</p> <ul style="list-style-type: none"> <li>① 保守点検中等当該可搬型重大事故等対応設備の機能を要求されない時期に保守点検を実施するかどうか</li> <li>② 保守点検中でも使用可能（内蔵自保、給油・給電、メカチェック、機能確認等一次点検（点検済みの設備との取替含む）の後に事前に取替品を準備してから保守点検するかどうか）である設備</li> </ul> <p>保守点検中等当該可搬型重大事故等対応設備の機能を要求されない時期に保守点検を実施する設備 — a</p> <p>保守点検中でも使用可能（内蔵自保、給油・給電、メカチェック、機能確認等一次点検（点検済みの設備との取替含む）の後に事前に取替品を準備してから保守点検するかどうか）である設備 — b</p> <p>①、②以外 — c</p> | <p>■設置許可基準規則 第45条 第3項 第2号<br/>可搬型重大事故等対応設備の常設設備との接続性について</p> <p>【考慮事項】</p> <ul style="list-style-type: none"> <li>① 保守点検中等当該可搬型重大事故等対応設備の機能を要求されない時期に保守点検を実施するかどうか</li> <li>② 保守点検中でも使用可能（内蔵自保、給油・給電、メカチェック、機能確認等一次点検（点検済みの設備との取替含む）の後に事前に取替品を準備してから保守点検するかどうか）である設備</li> </ul> <p>ケーブル</p> <ul style="list-style-type: none"> <li>母線接続</li> <li>通信・計装</li> <li>施設設備</li> </ul> <p>端子のボルト・ネジによる接続 — A</p> <p>専用の接続方法による接続 — D</p> <p>ボルト締フランジ接続 — B</p> <p>より兼用な接続規格等による接続 — C</p> <p>配管</p> <ul style="list-style-type: none"> <li>大口径等</li> <li>小口径等</li> <li>計装付属配管</li> </ul> <p>ボルト締フランジ接続 — B</p> <p>より兼用な接続規格等による接続 — C</p> <p>専用の接続方法による接続 — D</p> | <p>■設置許可基準規則 第45条 第3項 第2号<br/>可搬型重大事故等対応設備の常設設備との接続性について</p> <p>【考慮事項】</p> <ul style="list-style-type: none"> <li>① 保守点検中等当該可搬型重大事故等対応設備の機能を要求されない時期に保守点検を実施するかどうか</li> <li>② 保守点検中でも使用可能（内蔵自保、給油・給電、メカチェック、機能確認等一次点検（点検済みの設備との取替含む）の後に事前に取替品を準備してから保守点検するかどうか）である設備</li> </ul> <p>保守点検中等当該可搬型重大事故等対応設備の機能を要求されない時期に保守点検を実施する設備 — a</p> <p>保守点検中でも使用可能（内蔵自保、給油・給電、メカチェック、機能確認等一次点検（点検済みの設備との取替含む）の後に事前に取替品を準備してから保守点検するかどうか）である設備 — b</p> <p>①、②以外 — c</p> |
| <p>■設置許可基準規則 第45条 第3項 第3号<br/>異なる複数の接続箇所の確保について</p> <p>【考慮事項】</p> <ul style="list-style-type: none"> <li>- 放射線による影響因子</li> <li>- 洪水、火災</li> <li>- 自然現象</li> <li>- 内乱人為事象</li> </ul> <p>水・電力</p> <ul style="list-style-type: none"> <li>屋内（壁面含む） — A</li> <li>屋内及び屋外 — B</li> <li>その他（空気） — C</li> <li>接続箇所なし — D</li> </ul> <p>接続箇所（屋内外から供給するものに係る）</p>   | <p>■設置許可基準規則 第45条 第3項 第3号<br/>異なる複数の接続箇所の確保について</p> <p>【考慮事項】</p> <ul style="list-style-type: none"> <li>- 放射線による影響因子</li> <li>- 洪水、火災</li> <li>- 自然現象</li> <li>- 内乱人為事象</li> </ul> <p>水・電力</p> <ul style="list-style-type: none"> <li>屋内（壁面含む） — A</li> <li>屋内及び屋外 — B</li> <li>その他（空気） — C</li> <li>接続箇所なし — D</li> </ul> <p>接続箇所（屋内外から供給するものに係る）</p>  | <p>■設置許可基準規則 第45条 第3項 第3号<br/>異なる複数の接続箇所の確保について</p> <p>【考慮事項】</p> <ul style="list-style-type: none"> <li>- 凍結条件</li> <li>- 洪水、火災</li> <li>- 自然現象</li> <li>- 内乱人為事象</li> </ul> <p>水・電力</p> <ul style="list-style-type: none"> <li>屋内（壁面含む） — A</li> <li>その他（空気） — B</li> <li>屋外 — C</li> </ul> <p>接続箇所（屋内外から供給するものに係る）</p>  | <p>■設置許可基準規則 第45条 第3項 第3号<br/>異なる複数の接続箇所の確保について</p> <p>【考慮事項】</p> <ul style="list-style-type: none"> <li>- 凍結条件</li> <li>- 洪水、火災</li> <li>- 自然現象</li> <li>- 内乱人為事象</li> </ul> <p>水・電力</p> <ul style="list-style-type: none"> <li>屋内（壁面含む） — A</li> <li>その他（空気） — B</li> <li>屋外 — C</li> </ul> <p>接続箇所（屋内外から供給するものに係る）</p>  |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

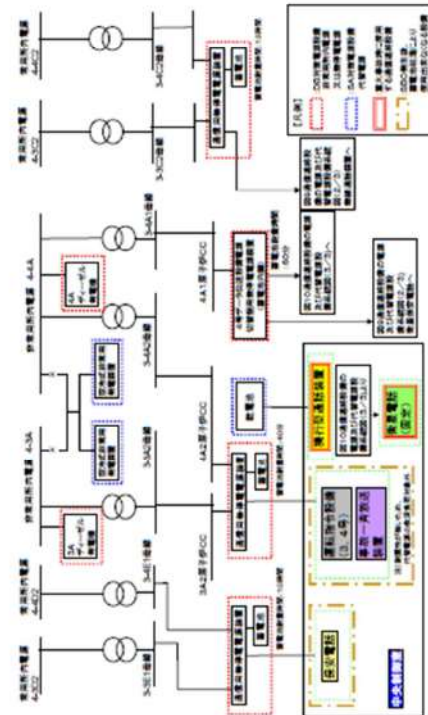
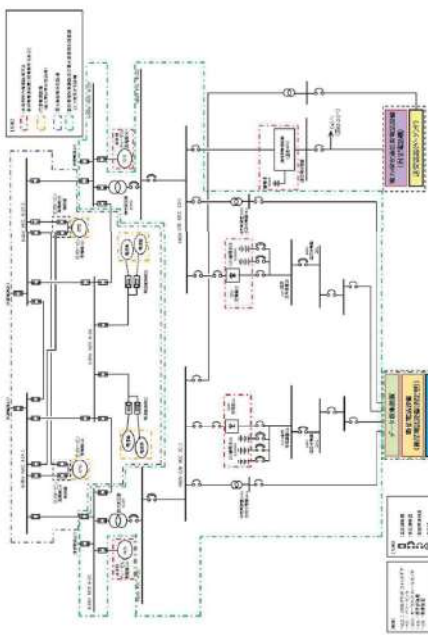
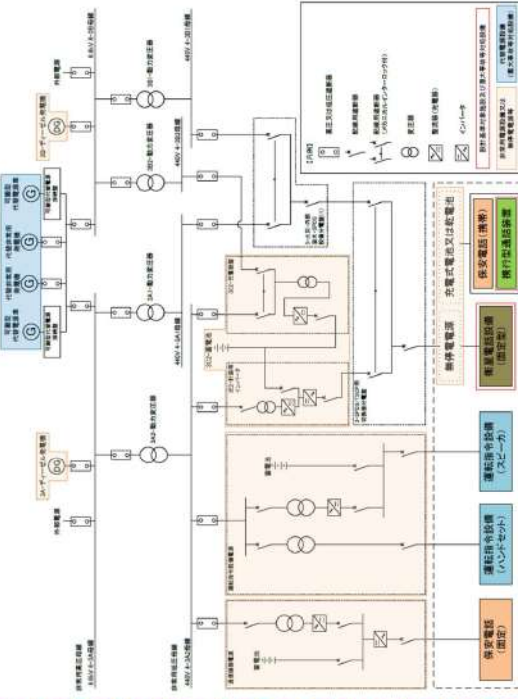
| 大飯発電所3/4号炉   | 女川原子力発電所2号炉 | 泊発電所3号炉   | 相違理由   |
|--|-------------|---|--|
| <p>■設置許可基準規則 第43条 第3項 第4号<br/>可搬型重大事故等対処設備の設置場所について</p>  <p>■設置許可基準規則 第43条 第3項 第5号<br/>保管場所について</p>  <p>■設置許可基準規則 第43条 第3項 第6号<br/>アタセスルートについて</p>  <p>■設置許可基準規則 第43条 第3項 第7号<br/>重大事故防止設備のうち可搬型のもの共通要因設備について</p>  <p>※：記号の記載については、考慮事項の番号+α又はβを記載する。(例：①a、①b、②a、②b)</p> |             | <p>■設置許可基準規則 第43条 第3項 第4号<br/>可搬型重大事故等対処設備の設置場所について</p>  <p>■設置許可基準規則 第43条 第3項 第5号<br/>保管場所について</p>  <p>■設置許可基準規則 第43条 第3項 第6号<br/>アタセスルートについて</p>  <p>■設置許可基準規則 第43条 第3項 第7号<br/>重大事故防止設備のうち可搬型のもの共通要因設備について</p>  | <p>【女川】記載方針の差異<br/>         大飯と同様に分類を記載している。</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉  | 女川原子力発電所2号炉           | 泊発電所3号炉  | 相違理由               |
|---|-----------------------|--|--------------------|
| <p>【比較のため本ページの大飯欄は62-8より抜粋して再掲】</p> <p>62-8 設置許可基準規則等への適合状況説明資料</p> | <p>62-2<br/>単線結線図</p> | <p>【比較のため本ページの泊欄は62-6より抜粋して再掲】</p> <p>62-6 設置許可基準規則等への適合状況説明資料</p> | <p>【女川】記載箇所の相違</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3/4号炉   | 女川原子力発電所2号炉  | 泊発電所3号炉   | 相違理由           |
|--|--|---|----------------|
| <p>【比較のため本ページの大飯欄は62-8より抜粋して再掲】</p> <p>通信連絡設備の電源及び代替電源設備の系統図（1/3）</p>  | <p>第62-5-1図 中央制御室における通信連絡設備の系統図抜粋</p>  | <p>【比較のため本ページの泊欄は62-6より抜粋して再掲】</p>  | <p>記載箇所の相違</p> |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所3/4号炉

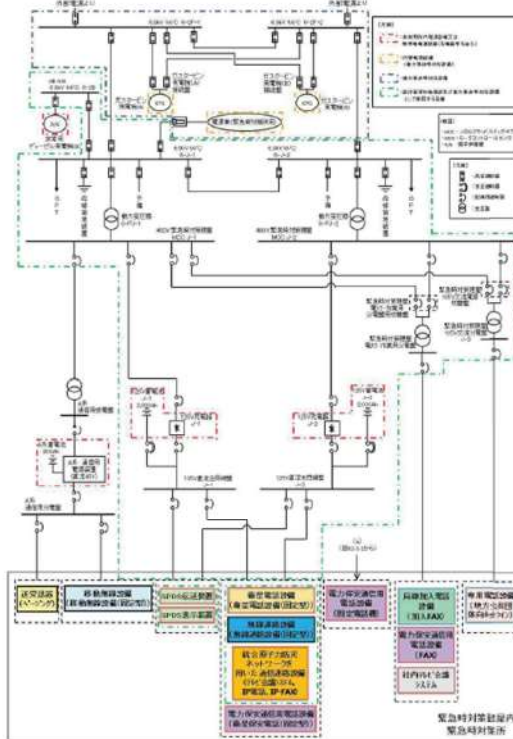
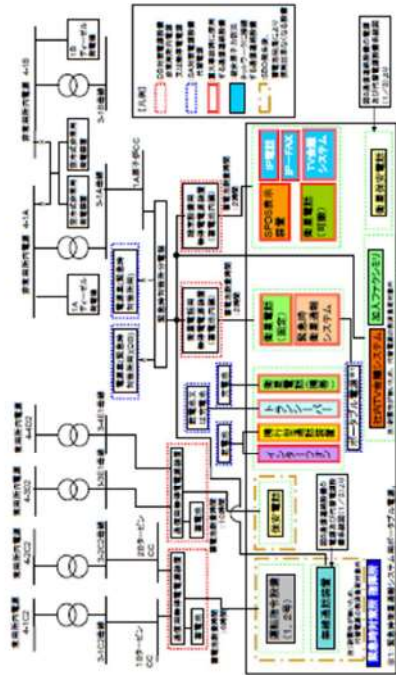
女川原子力発電所2号炉

泊発電所3号炉

相違理由

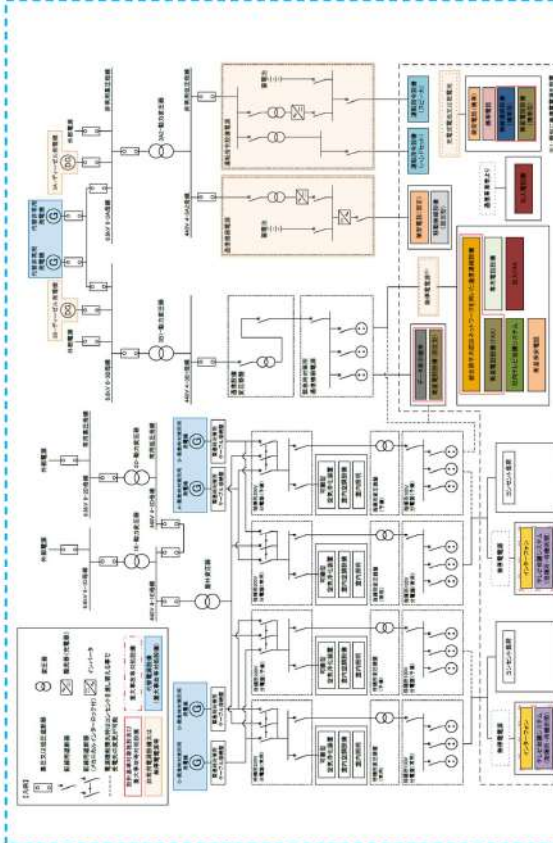
【比較のため本ページの大飯欄は62-8より抜粋して再掲】

通信連絡設備の電源及び代替電源設備の系統図（2/3）



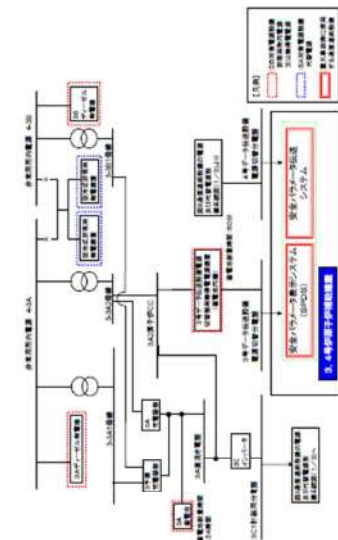
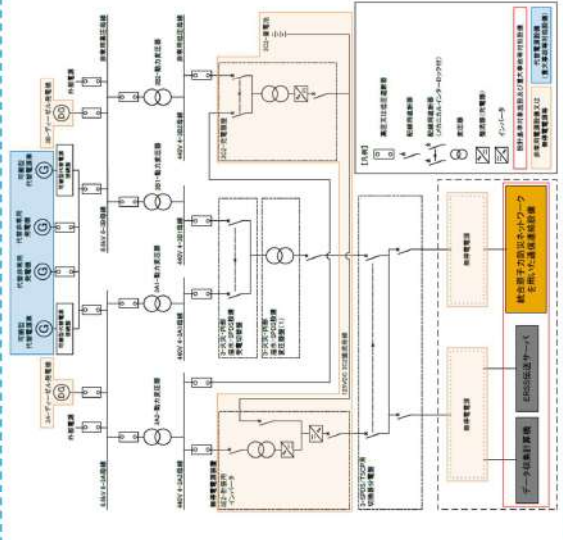
第62-2-2図 緊急時対策室における通信連絡設備の単線結線図

【比較のため本ページの泊欄は62-6より抜粋して再掲】





赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉  | 女川原子力発電所 2 号炉 | 泊発電所 3 号炉  | 相違理由 |
|---|---------------|--|------|
| <p>【比較のため本ページの大飯欄は 62-8 より抜粋して再掲】</p> <p>通信連絡設備の電源及び代替電源設備の系統図（3 / 3）</p>  |               | <p>【比較のため本ページの泊欄は 62-6 より抜粋して再掲】</p>  |      |

赤字：設備、運用又は体制の相違（設計方針の相違）
青字：記載箇所又は記載内容の相違（記載方針の相違）
緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所3/4号炉

【比較のため本ページの大飯欄は62-8より抜粋して再掲】

表2 通信連絡設備の電源及び代替電源設備一覧(1/2)

Table with columns: 通信種別, 主要設備, 電源, 代替電源設備. Rows include 電力保安設備, 電力保安設備用電話設備, 移動無線設備, etc.

※1 非常時に7日間連続して通信可能な数量の手携り電池を配備する。
※2 充電式電池は、緊急時対策用又は中央制御室にて、代替非常用発電機又は緊急時対策用発電機から充電可能であり、使用時間を延長できる。
※3 送受信合設機(蓄電池)にて約2時間使用可能。
※4 送受信機(蓄電池)にて約36時間使用可能。

表3 通信連絡設備の電源及び代替電源設備一覧(2/2)

Table with columns: 通信種別, 主要設備, 電源, 代替電源設備. Rows include 加入電話設備, 加入FAX, 携帯電話, etc.

※1 非常時に7日間連続して通信可能な数量の手携り電池を配備する。
※2 充電式電池は、緊急時対策用又は中央制御室にて、代替非常用発電機又は緊急時対策用発電機から充電可能であり、使用時間を延長できる。
※3 送受信合設機(蓄電池)にて約2時間使用可能。
※4 送受信機(蓄電池)にて約36時間使用可能。

女川原子力発電所2号炉

第62-2-1表 通信連絡設備（発電所内）の電源設備

Table with columns: 通信種別, 主要設備, 非常時電源設備, 非常時電源設備, 非常時電源設備. Rows include 電力保安設備, 電力保安設備用電話設備, etc.

※1 非常時に7日間連続して通信可能な数量の手携り電池を配備する。
※2 充電式電池は、緊急時対策用又は中央制御室にて、代替非常用発電機又は緊急時対策用発電機から充電可能であり、使用時間を延長できる。
※3 送受信合設機(蓄電池)にて約2時間使用可能。
※4 送受信機(蓄電池)にて約36時間使用可能。

設計基準対象施設及び重大事故対応設備として使用する設備
重大事故対応設備

第62-2-2表 通信連絡設備（発電所内及び発電所外）の電源設備（その1）

Table with columns: 通信種別, 主要設備, 非常時電源設備, 非常時電源設備, 非常時電源設備. Rows include 加入電話設備, 加入FAX, etc.

※1 非常時に7日間連続して通信可能な数量の手携り電池を配備する。
※2 充電式電池は、緊急時対策用又は中央制御室にて、代替非常用発電機又は緊急時対策用発電機から充電可能であり、使用時間を延長できる。
※3 送受信合設機(蓄電池)にて約2時間使用可能。
※4 送受信機(蓄電池)にて約36時間使用可能。

設計基準対象施設及び重大事故対応設備として使用する設備
重大事故対応設備

泊発電所3号炉

【比較のため本ページの泊欄は62-6より抜粋して再掲】

Table with columns: 通信種別, 主要設備, 非常用電源設備又は無停電電源等, 代替電源設備. Rows include 電力保安設備, 電力保安設備用電話設備, etc.

※1 発電所内に7日間連続して通信可能な数量の手携り電池を配備する。
※2 充電式電池は、緊急時対策用又は中央制御室にて、代替非常用発電機又は緊急時対策用発電機から充電可能であり、使用時間を延長できる。
※3 送受信合設機(蓄電池)にて約2時間使用可能。
※4 送受信機(蓄電池)にて約36時間使用可能。

設計基準対象施設及び重大事故対応設備として使用する設備
重大事故対応設備

Table with columns: 通信種別, 主要設備, 非常用電源設備又は無停電電源等, 代替電源設備. Rows include 加入電話設備, 加入FAX, 携帯電話, etc.

※1 発電所内に7日間連続して通信可能な数量の手携り電池を配備する。
※2 充電式電池は、緊急時対策用又は中央制御室にて、代替非常用発電機又は緊急時対策用発電機から充電可能であり、使用時間を延長できる。
※3 送受信合設機(蓄電池)にて約2時間使用可能。
※4 送受信機(蓄電池)にて約36時間使用可能。

設計基準対象施設及び重大事故対応設備として使用する設備
重大事故対応設備

相違理由

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉     | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉                | 相違理由  |                     |        |                    |         |      |      |         |      |      |         |      |      |      |      |                     |        |                    |         |      |      |         |      |      |         |      |      |   |      |      |                     |        |                    |         |                          |   |         |                    |   |      |      |                     |        |                   |         |                    |   |          |                    |   |             |
|--------------------|--|--------------------------|---|---------------------|--------|--------------------|---------|------|------|---------|------|------|---------|------|------|------|------|---------------------|--------|--------------------|---------|------|------|---------|------|------|---------|------|------|---|------|------|---------------------|--------|--------------------|---------|--------------------------|---|---------|--------------------|---|------|------|---------------------|--------|-------------------|---------|--------------------|---|----------|--------------------|---|-------------|
|                    | <p>第 62-2-3 表 通信連絡設備（発電所内及び発電所外）の電源設備（その3）</p> <table border="1"> <thead> <tr> <th>通信種別</th> <th>主要設備</th> <th>非常用電源設備<br/>又は無停電電源等</th> <th>代替電源設備</th> </tr> </thead> <tbody> <tr> <td rowspan="3">データ伝送設備<br/>データ収集設備</td> <td>データ伝送装置</td> <td>ボルトン</td> <td>ボルトン</td> </tr> <tr> <td>データ収集装置</td> <td>ボルトン</td> <td>ボルトン</td> </tr> <tr> <td>データ収集装置</td> <td>ボルトン</td> <td>ボルトン</td> </tr> </tbody> </table> <p>注：充電式電池により約 8 時間継続使用可能。また、1 台が故障または 1 台が電源切替式電源から故障するときに 2 台以上が自動に起動しての継続が可能なため、継ぎ合わせ電源切替式電源は充電式電池。</p> <p>①：設計基準対象施設及び重大事故対処設備として使用する設備<br/>         ②：蓄電池（非常用）にて約 8 時間使用可能</p> <p>第 62-2-4 表 通信連絡設備（発電所外）の電源設備</p> <table border="1"> <thead> <tr> <th>通信種別</th> <th>主要設備</th> <th>非常用電源設備<br/>又は無停電電源等</th> <th>代替電源設備</th> </tr> </thead> <tbody> <tr> <td rowspan="3">データ伝送設備<br/>データ収集設備</td> <td>データ伝送装置</td> <td>ボルトン</td> <td>ボルトン</td> </tr> <tr> <td>データ収集装置</td> <td>ボルトン</td> <td>ボルトン</td> </tr> <tr> <td>データ収集装置</td> <td>ボルトン</td> <td>ボルトン</td> </tr> </tbody> </table> <p>注：充電式電池により約 8 時間継続使用可能。また、1 台が故障または 1 台が電源切替式電源から故障するときに 2 台以上が自動に起動しての継続が可能なため、継ぎ合わせ電源切替式電源は充電式電池。</p> <p>①：設計基準対象施設及び重大事故対処設備として使用する設備<br/>         ②：蓄電池（非常用）にて約 8 時間使用可能</p> | 通信種別                     | 主要設備  | 非常用電源設備<br>又は無停電電源等 | 代替電源設備 | データ伝送設備<br>データ収集設備 | データ伝送装置 | ボルトン | ボルトン | データ収集装置 | ボルトン | ボルトン | データ収集装置 | ボルトン | ボルトン | 通信種別 | 主要設備 | 非常用電源設備<br>又は無停電電源等 | 代替電源設備 | データ伝送設備<br>データ収集設備 | データ伝送装置 | ボルトン | ボルトン | データ収集装置 | ボルトン | ボルトン | データ収集装置 | ボルトン | ボルトン | <p>【比較のため本ページの泊欄は 62-6 より抜粋して再掲】</p> <table border="1"> <thead> <tr> <th>通信種別</th> <th>主要設備</th> <th>非常用電源設備<br/>又は無停電電源等</th> <th>代替電源設備</th> </tr> </thead> <tbody> <tr> <td rowspan="2">データ伝送設備<br/>データ収集設備</td> <td>データ伝送装置</td> <td>非常用電源設備<br/>【無停電電源（機器内蔵）】</td> <td>代替非常用発電機（常設代替交流電源設備）<br/>緊急時対策用発電機（緊急時対策用代替交流電源設備）</td> </tr> <tr> <td>データ収集装置</td> <td>非常用電源設備<br/>【無停電電源】</td> <td>代替非常用発電機（常設代替交流電源設備）<br/>可搬型代替発電機（可搬型代替交流電源設備）</td> </tr> </tbody> </table> <p>注 1：充電式電池は、代替非常用発電機又は緊急時対策用発電機から充電可能であり、使用時間を延長できる。<br/>         注 2：蓄電池（非常用）にて約 8 時間使用可能。</p> <p>①：設計基準対象施設及び重大事故対処設備として使用する設備<br/>         ②：蓄電池（非常用）にて約 8 時間使用可能</p> <table border="1"> <thead> <tr> <th>通信種別</th> <th>主要設備</th> <th>非常用電源設備<br/>又は無停電電源等</th> <th>代替電源設備</th> </tr> </thead> <tbody> <tr> <td rowspan="2">データ伝送設備<br/>（発電所外）</td> <td>データ収集装置</td> <td>非常用電源設備<br/>【無停電電源】</td> <td>代替非常用発電機（常設代替交流電源設備）<br/>可搬型代替発電機（可搬型代替交流電源設備）</td> </tr> <tr> <td>データ伝送サーバ</td> <td>非常用電源設備<br/>【無停電電源】</td> <td>代替非常用発電機（常設代替交流電源設備）<br/>可搬型代替発電機（可搬型代替交流電源設備）</td> </tr> </tbody> </table> <p>注 1：蓄電池（非常用）にて約 8 時間使用可能。</p> <p>①：設計基準対象施設及び重大事故対処設備として使用する設備<br/>         ②：蓄電池（非常用）にて約 8 時間使用可能</p> | 通信種別 | 主要設備 | 非常用電源設備<br>又は無停電電源等 | 代替電源設備 | データ伝送設備<br>データ収集設備 | データ伝送装置 | 非常用電源設備<br>【無停電電源（機器内蔵）】 | 代替非常用発電機（常設代替交流電源設備）<br>緊急時対策用発電機（緊急時対策用代替交流電源設備） | データ収集装置 | 非常用電源設備<br>【無停電電源】 | 代替非常用発電機（常設代替交流電源設備）<br>可搬型代替発電機（可搬型代替交流電源設備） | 通信種別 | 主要設備 | 非常用電源設備<br>又は無停電電源等 | 代替電源設備 | データ伝送設備<br>（発電所外） | データ収集装置 | 非常用電源設備<br>【無停電電源】 | 代替非常用発電機（常設代替交流電源設備）<br>可搬型代替発電機（可搬型代替交流電源設備） | データ伝送サーバ | 非常用電源設備<br>【無停電電源】 | 代替非常用発電機（常設代替交流電源設備）<br>可搬型代替発電機（可搬型代替交流電源設備） | <p>相違理由</p> |
| 通信種別               | 主要設備   | 非常用電源設備<br>又は無停電電源等      | 代替電源設備  |                     |        |                    |         |      |      |         |      |      |         |      |      |      |      |                     |        |                    |         |      |      |         |      |      |         |      |      |   |      |      |                     |        |                    |         |                          |   |         |                    |   |      |      |                     |        |                   |         |                    |   |          |                    |   |             |
| データ伝送設備<br>データ収集設備 | データ伝送装置  | ボルトン                     | ボルトン  |                     |        |                    |         |      |      |         |      |      |         |      |      |      |      |                     |        |                    |         |      |      |         |      |      |         |      |      |   |      |      |                     |        |                    |         |                          |   |         |                    |   |      |      |                     |        |                   |         |                    |   |          |                    |   |             |
|                    | データ収集装置  | ボルトン                     | ボルトン  |                     |        |                    |         |      |      |         |      |      |         |      |      |      |      |                     |        |                    |         |      |      |         |      |      |         |      |      |   |      |      |                     |        |                    |         |                          |   |         |                    |   |      |      |                     |        |                   |         |                    |   |          |                    |   |             |
|                    | データ収集装置  | ボルトン                     | ボルトン  |                     |        |                    |         |      |      |         |      |      |         |      |      |      |      |                     |        |                    |         |      |      |         |      |      |         |      |      |   |      |      |                     |        |                    |         |                          |   |         |                    |   |      |      |                     |        |                   |         |                    |   |          |                    |   |             |
| 通信種別               | 主要設備   | 非常用電源設備<br>又は無停電電源等      | 代替電源設備  |                     |        |                    |         |      |      |         |      |      |         |      |      |      |      |                     |        |                    |         |      |      |         |      |      |         |      |      |   |      |      |                     |        |                    |         |                          |   |         |                    |   |      |      |                     |        |                   |         |                    |   |          |                    |   |             |
| データ伝送設備<br>データ収集設備 | データ伝送装置  | ボルトン                     | ボルトン  |                     |        |                    |         |      |      |         |      |      |         |      |      |      |      |                     |        |                    |         |      |      |         |      |      |         |      |      |   |      |      |                     |        |                    |         |                          |   |         |                    |   |      |      |                     |        |                   |         |                    |   |          |                    |   |             |
|                    | データ収集装置  | ボルトン                     | ボルトン  |                     |        |                    |         |      |      |         |      |      |         |      |      |      |      |                     |        |                    |         |      |      |         |      |      |         |      |      |   |      |      |                     |        |                    |         |                          |   |         |                    |   |      |      |                     |        |                   |         |                    |   |          |                    |   |             |
|                    | データ収集装置  | ボルトン                     | ボルトン  |                     |        |                    |         |      |      |         |      |      |         |      |      |      |      |                     |        |                    |         |      |      |         |      |      |         |      |      |   |      |      |                     |        |                    |         |                          |   |         |                    |   |      |      |                     |        |                   |         |                    |   |          |                    |   |             |
| 通信種別               | 主要設備   | 非常用電源設備<br>又は無停電電源等      | 代替電源設備  |                     |        |                    |         |      |      |         |      |      |         |      |      |      |      |                     |        |                    |         |      |      |         |      |      |         |      |      |   |      |      |                     |        |                    |         |                          |   |         |                    |   |      |      |                     |        |                   |         |                    |   |          |                    |   |             |
| データ伝送設備<br>データ収集設備 | データ伝送装置  | 非常用電源設備<br>【無停電電源（機器内蔵）】 | 代替非常用発電機（常設代替交流電源設備）<br>緊急時対策用発電機（緊急時対策用代替交流電源設備） |                     |        |                    |         |      |      |         |      |      |         |      |      |      |      |                     |        |                    |         |      |      |         |      |      |         |      |      |   |      |      |                     |        |                    |         |                          |   |         |                    |   |      |      |                     |        |                   |         |                    |   |          |                    |   |             |
|                    | データ収集装置  | 非常用電源設備<br>【無停電電源】       | 代替非常用発電機（常設代替交流電源設備）<br>可搬型代替発電機（可搬型代替交流電源設備）     |                     |        |                    |         |      |      |         |      |      |         |      |      |      |      |                     |        |                    |         |      |      |         |      |      |         |      |      |   |      |      |                     |        |                    |         |                          |   |         |                    |   |      |      |                     |        |                   |         |                    |   |          |                    |   |             |
| 通信種別               | 主要設備   | 非常用電源設備<br>又は無停電電源等      | 代替電源設備  |                     |        |                    |         |      |      |         |      |      |         |      |      |      |      |                     |        |                    |         |      |      |         |      |      |         |      |      |   |      |      |                     |        |                    |         |                          |   |         |                    |   |      |      |                     |        |                   |         |                    |   |          |                    |   |             |
| データ伝送設備<br>（発電所外）  | データ収集装置  | 非常用電源設備<br>【無停電電源】       | 代替非常用発電機（常設代替交流電源設備）<br>可搬型代替発電機（可搬型代替交流電源設備）     |                     |        |                    |         |      |      |         |      |      |         |      |      |      |      |                     |        |                    |         |      |      |         |      |      |         |      |      |   |      |      |                     |        |                    |         |                          |   |         |                    |   |      |      |                     |        |                   |         |                    |   |          |                    |   |             |
|                    | データ伝送サーバ   | 非常用電源設備<br>【無停電電源】       | 代替非常用発電機（常設代替交流電源設備）<br>可搬型代替発電機（可搬型代替交流電源設備）     |                     |        |                    |         |      |      |         |      |      |         |      |      |      |      |                     |        |                    |         |      |      |         |      |      |         |      |      |   |      |      |                     |        |                    |         |                          |   |         |                    |   |      |      |                     |        |                   |         |                    |   |          |                    |   |             |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3／4号炉                                  | 女川原子力発電所2号炉                                     | 泊発電所3号炉   | 相違理由 |
|---|---|---|------|
| <p style="text-align: center;">62-2 配置図</p> | <p style="text-align: center;">62-3<br/>配置図</p> | <p style="text-align: center;">62-2<br/>配置図</p> |      |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉   | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉  | 相違理由  |
|--|--|--|---|
| <div data-bbox="118 180 573 911" style="border: 1px solid black; width: 100%; height: 100%;"></div> <div data-bbox="584 379 607 740" style="border: 1px solid black; padding: 2px; width: fit-content; margin: auto;">                     右図みの範囲は補圖に記名事項で下の図欄ですらで公開することはできません。                 </div> | <div data-bbox="696 188 1193 1011" style="border: 1px solid black; width: 100%; height: 100%; text-align: center;"> <p>第 62-3-1 図 中央制御室及び緊急時対応室</p> </div> | <div data-bbox="1256 180 1809 938" style="border: 1px solid black; width: 100%; height: 100%; text-align: center;"> <p>泊発電所</p> </div> | <p>【女川】<br/>                     ・記載順序の相違</p> |

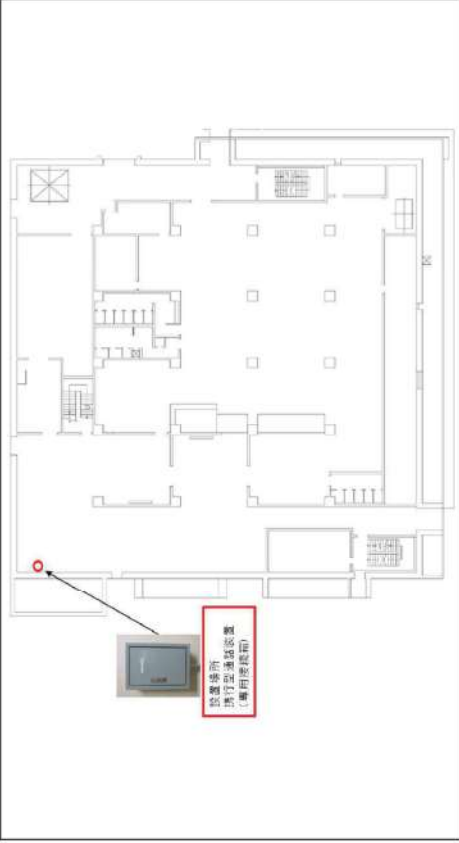




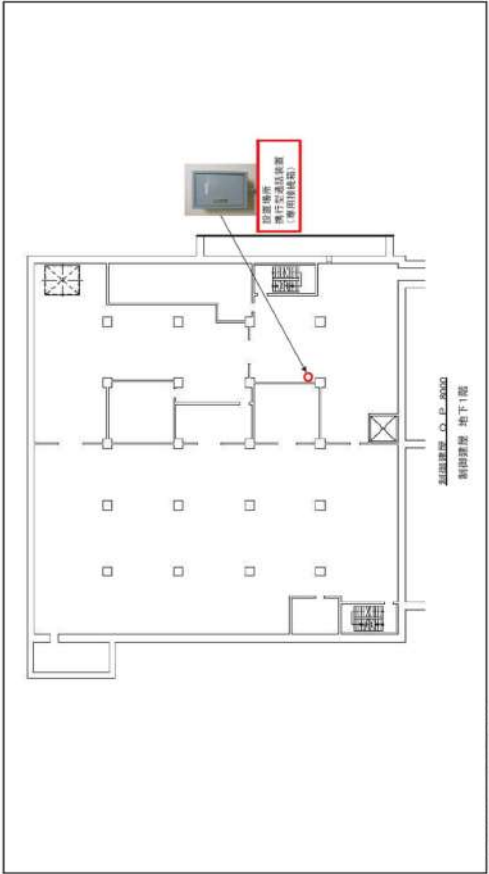
赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉   | 女川原子力発電所 2 号炉   | 泊発電所 3 号炉   | 相違理由  |
|--|---|---|---|
| <div data-bbox="118 180 573 911" style="border: 1px solid black; width: 100%; height: 100%;"></div> <div data-bbox="584 379 607 743" style="border: 1px solid black; padding: 2px; width: fit-content; margin: auto;">                     枠囲みの範囲は機密に係る事項ですので公開できません。                 </div> | <div data-bbox="689 196 1149 1042" style="border: 1px solid black; width: 100%; height: 100%; text-align: center;"> </div> <div data-bbox="1160 738 1182 1042" style="font-size: small; margin-top: 10px;">                     ・写真については、イメージ、概を記す。<br/>                     ・本図は任意図面については、内容、詳細等と違っており、ご了承ください。                 </div> <div data-bbox="1193 507 1216 730" style="text-align: center; margin-top: 10px;">                     第 62-3-3 図 新増設屋地 2 号                 </div> | <div data-bbox="1249 201 1765 1038" style="border: 1px solid black; width: 100%; height: 100%;"></div> <div data-bbox="1395 1046 1783 1062" style="border: 1px solid black; padding: 2px; width: fit-content; margin: auto;">                     枠囲みの内容は機密情報に属しますので公開できません。                 </div> | <p>【女川】設計方針の相違<br/>                     建屋設計の相違による、電力保安通信用電話設備（交換機）、運転指令設備（制御盤）及び携行型通話装置の携行型通話装置ジャック箱の位置の相違</p> |

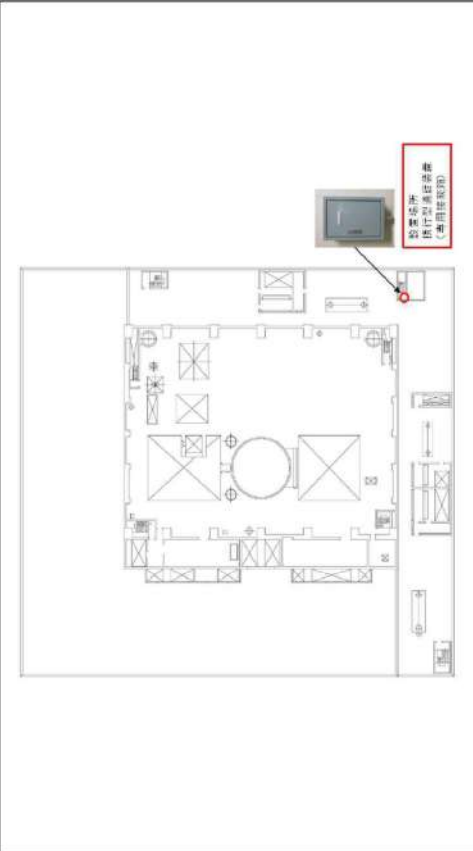
赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉 | 相違理由  |
|----------------|--|-----------|---|
|                |  <p style="text-align: right;">第 62-3-4 図 制御室屋上 1 階</p> <p><small>* 写真については、イメージ、概略図。<br/>         * 写真又は設置場所については、写真、詳細等を通して確認を行う。</small></p> |           | <p>【女川】設計方針の相違<br/>                 建屋設計の相違による、携帯型通話装置の携帯型通話装置ジャック箱の位置の相違</p> |

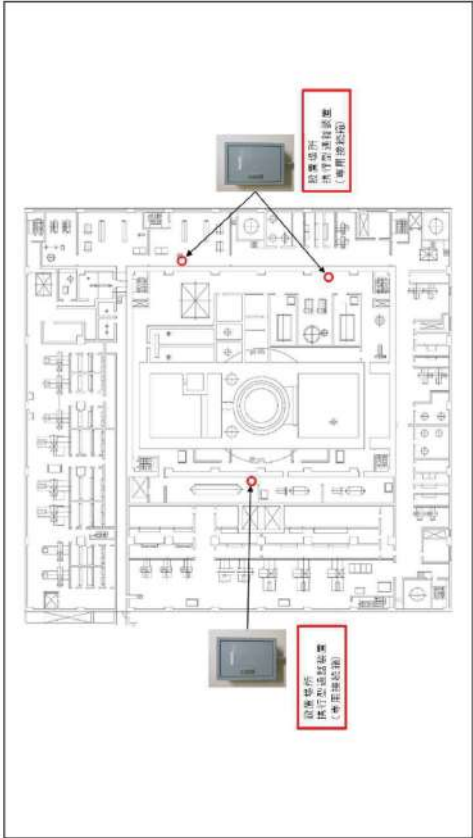
赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉   | 泊発電所 3 号炉 | 相違理由  |
|----------------|---|-----------|---|
|                |  <p>第 62-3-5 回 制御建屋地下 1 階</p> <p>・写真については、イメージ、図面含む。<br/>             ・配線又は設置場所については、今後、調査等を通じて見直しを行う。</p> |           | <p>【女川】設計方針の相違<br/>                 建屋設計の相違による、携帯型通話装置の携帯型通話装置ジャック箱の位置の相違</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

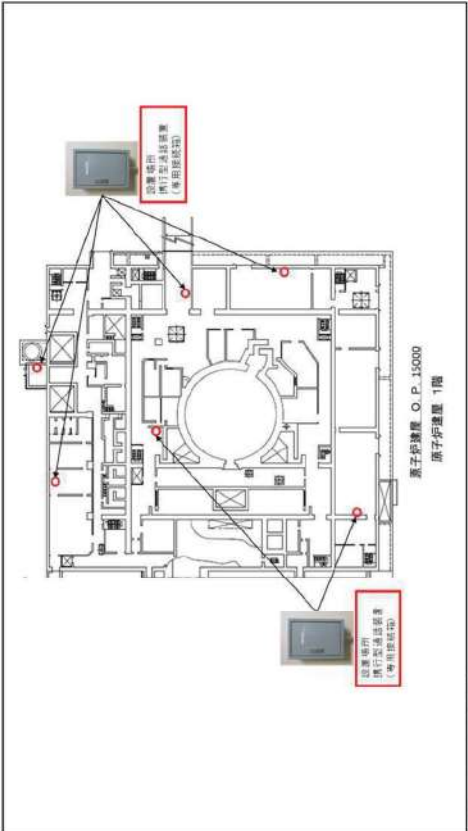
| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉   | 泊発電所 3 号炉 | 相違理由  |
|----------------|---|-----------|---|
|                |  <p style="text-align: center;">第 62-3-6 図 原子炉建屋地上 3 階</p> <p style="font-size: small;">*写真については、イメージ。概略図。<br/>             *位置又は設置場所については、写真、詳細図を基として記載を行う。</p> |           | <p>【女川】設計方針の相違<br/>                 建屋設計の相違による、携行型通話装置の携行型通話装置ジャック箱の位置の相違</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

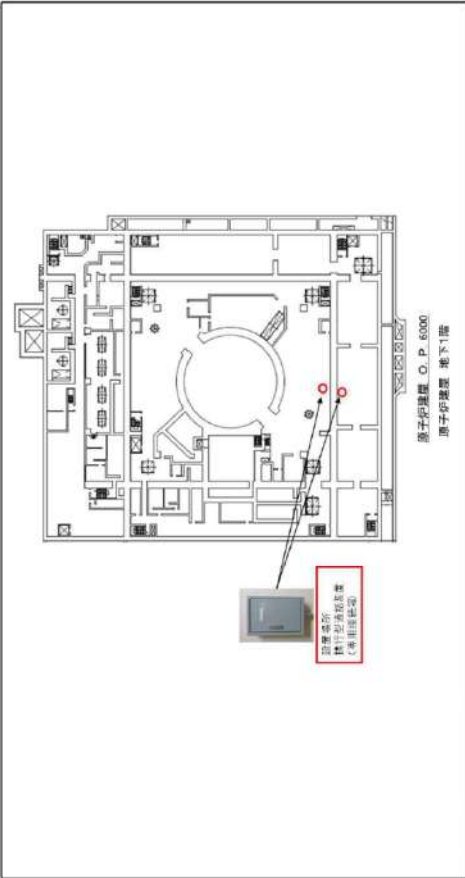
| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉   | 泊発電所 3 号炉 | 相違理由  |
|----------------|---|-----------|---|
|                |  <p>第 62-3-7 図 原子炉建屋地上 2 階</p> |           | <p>【女川】設計方針の相違<br/>                 建屋設計の相違による、携行型通話装置の携行型通話装置ジャック箱の位置の相違</p> |



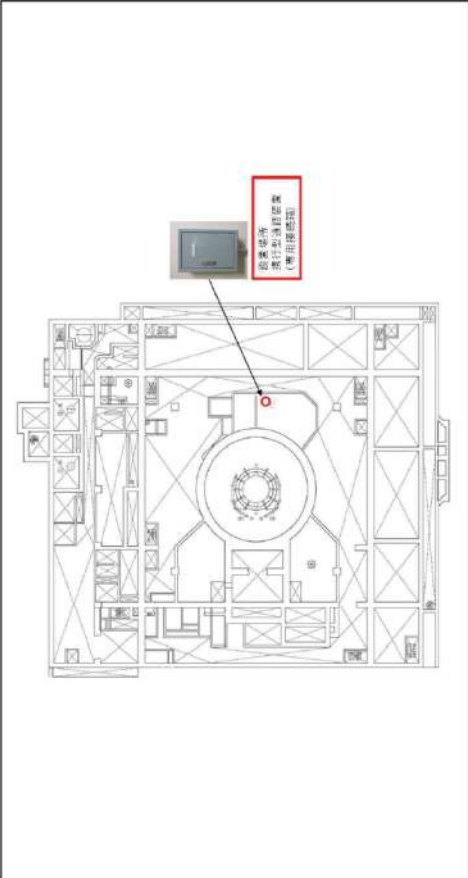
赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉 | 相違理由  |
|----------------|--|-----------|---|
|                |  <p>原子炉建屋 O.P. 15000<br/>原子炉建屋 1 階</p> <p>第 62-3-8 図 原子炉建屋地上 1 階</p> <p>※ 図面については、(左ページ) 欄を参照し、相違又は記載内容については、(右側) 欄を参照して確認してください。</p> |           | <p>【女川】設計方針の相違</p> <p>建屋設計の相違による、携行型通話装置の携行型通話装置ジャック箱の位置の相違</p> |

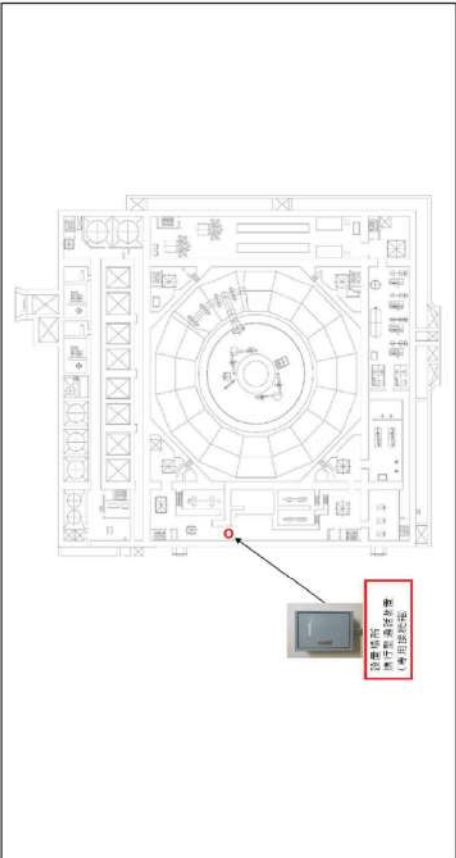
赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉 | 相違理由  |
|----------------|--|-----------|---|
|                |  <p>第 62-3-9 図 原子炉建屋地下 1 階</p> <p>・写真については、イメージ、例を示す。<br/>         ・表裏又は設置場所については、写真、測繪等を通じて見直しを行う。</p> |           | <p>【女川】設計方針の相違<br/>                 建屋設計の相違による、携帯型通話装置の携帯型通話装置ジャック箱の位置の相違</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉 | 相違理由  |
|----------------|--|-----------|---|
|                |  <p style="text-align: center;">第 62-3-10 図 原子炉建屋地下中 1 階</p> <p style="font-size: small;">*写真については、イメージ、略を含む。<br/>             *配置又は設置箇所については、今後、調査等を通じて見直しを行う。</p> |           | <p>【女川】設計方針の相違<br/>                 建屋設計の相違による、携帯型通話装置の携帯型通話装置ジャック箱設置の位置の相違</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

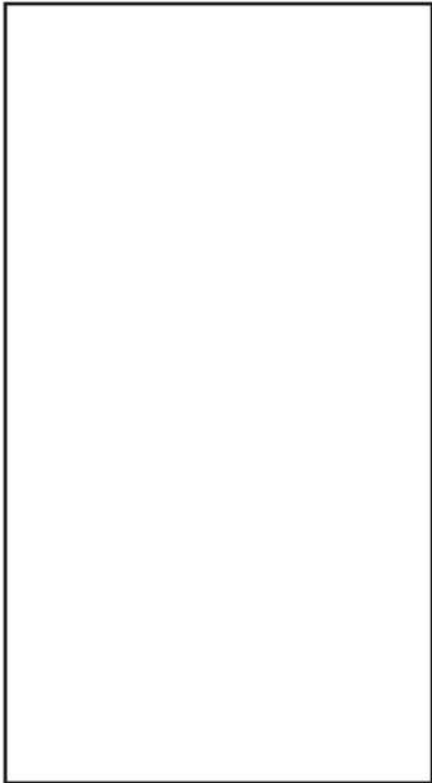
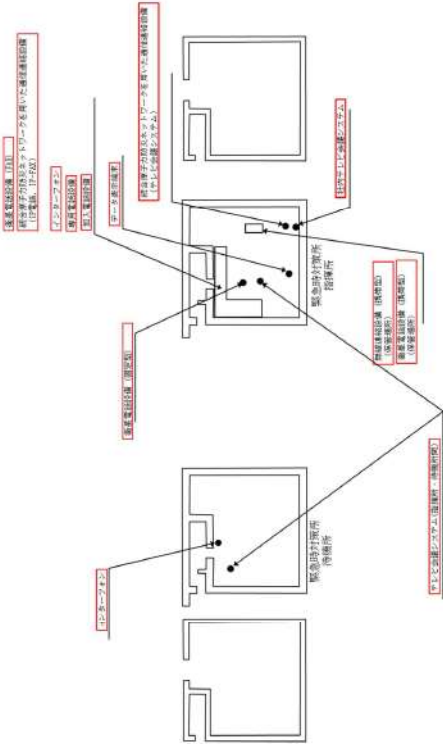
| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉   | 泊発電所 3 号炉 | 相違理由   |
|----------------|---|-----------|--|
|                |  <p style="text-align: center;">第 62-3-11 図 原子炉建屋地下 2 階</p> <p>・写真については、イメージ、類似品等。<br/>         ・写真又は検査報告書については、写真、測線等を通じて確認も行う。</p> |           | <p>【女川】設計方針の相違<br/>                 建屋設計の相違による、携行型通話装置<br/>                 の専用接続箱設置の位置の相違</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

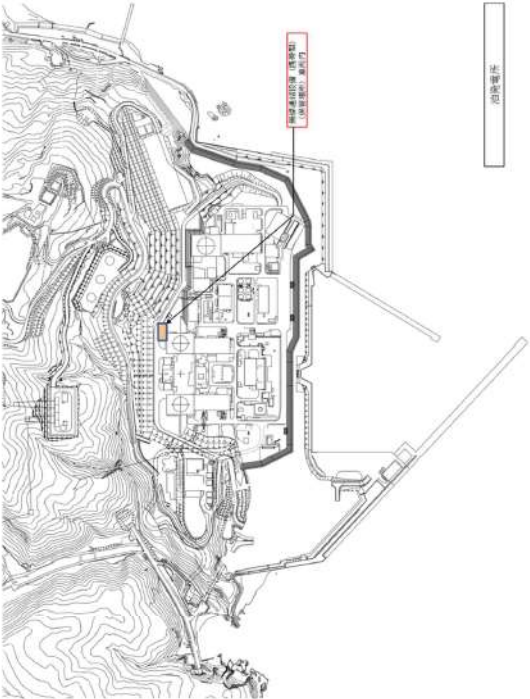
| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉   | 泊発電所 3 号炉 | 相違理由   |
|----------------|---|-----------|--|
|                | <div data-bbox="683 183 1108 981" style="border: 1px solid black; width: 100%; height: 100%;"></div> <div data-bbox="1108 183 1198 981" style="border: 1px solid black; width: 100%; height: 100%; display: flex; flex-direction: column; justify-content: center; align-items: center;"> <p style="writing-mode: vertical-rl; font-size: small;">* 表裏にかかわらず、イボームシ、積層型、<br/>* 本図又は原設計図については、寸法、距離等を誤りて取扱いを行な。</p> <p style="writing-mode: vertical-rl; font-size: small;">第 62 条 同 緊急時対策建屋地上 1 階</p> <p style="writing-mode: vertical-rl; font-size: small;">枠組みの内容は消滅後の観点から公開できません。</p> </div> |           | <p style="color: red;">【女川】設計方針の相違<br/>                 緊急時対策所の建屋設計（女川は地上 1 階、地上 2 階で構成）の相違。</p> |



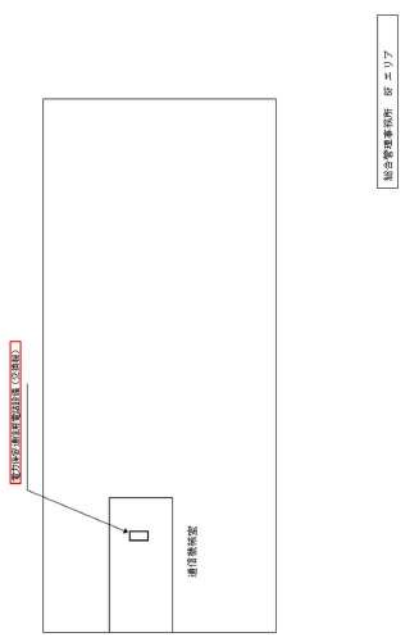
赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉   | 泊発電所 3 号炉   | 相違理由 |
|----------------|---|---|------|
|                |  <p style="text-align: center;">第 62-9-13 図 緊急時対策建屋地下 2 階</p> <p style="text-align: center;">枠組みの内容は前掲機器の観点から公開できません。</p> |  <p style="text-align: center;">緊急時対策所 [F. 30] エリア</p> |      |

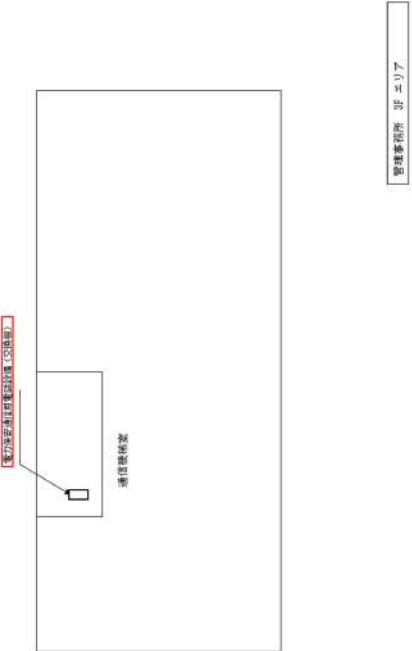
赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉 | 泊発電所 3 号炉   | 相違理由   |
|----------------|---------------|---|--|
|                |               |  | <p>【女川】設計方針の相違<br/>                 2-2⑨記載の通り。</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉 | 泊発電所 3 号炉   | 相違理由   |
|----------------|---------------|---|--|
|                |               |  | <p>【女川】設計方針の相違<br/>                 建屋設計の相違による、電力保安通信用<br/>                 電話設備（交換機）位置の相違</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉 | 泊発電所 3 号炉   | 相違理由   |
|----------------|---------------|---|--|
|                |               |  | <p>【女川】設計方針の相違<br/>                 建屋設計の相違による、電力保安通信用<br/>                 電話設備（交換機）位置の相違</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉   | 女川原子力発電所2号炉  | 泊発電所3号炉   | 相違理由  |
|--|--|---|---|
| <p style="text-align: center;">62-4 試験・検査説明資料</p> <div style="border: 1px dashed blue; padding: 5px; margin-top: 10px;"> <p>大飯発電所3/4号炉 62条 62-4 試験・検査説明資料は、以下のとおり機密事項扱いのため、別条文より転載して比較。</p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px; width: fit-content;"> <p>枠囲みの範囲は機密に係る事項ですので公開することはできません。</p> </div> </div> | <p style="text-align: center;">62-5<br/>試験及び検査</p> | <p style="text-align: center;">62-3 試験・検査説明資料</p> | <p>【大飯】<br/>                 大飯発電所3/4号炉 62条 62-4 試験・検査説明資料は、機密事項扱いで比較ができないことから、別条文より転載して比較。</p> |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所3/4号炉

女川原子力発電所2号炉

泊発電所3号炉

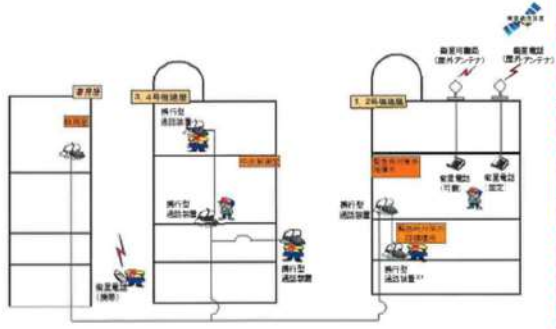
相違理由

【比較のため、61条 61-4試験検査説明資料より転載】

通信連絡設備の概要

1. 通信連絡設備（発電所内用）の試験・検査

| 対応設備     | 試験・検査項目          |
|----------|------------------|
| 衛星電話（固定） | 数量確認、外観確認、通話通信確認 |
| 衛星電話（携帯） | 数量確認、外観確認、通話通信確認 |
| 衛星電話（可搬） | 数量確認、外観確認、通話通信確認 |
| 携帯型通話装置  | 数量確認、外観確認、通話通信確認 |
| インターフォン  | 数量確認、外観確認、通話通信確認 |

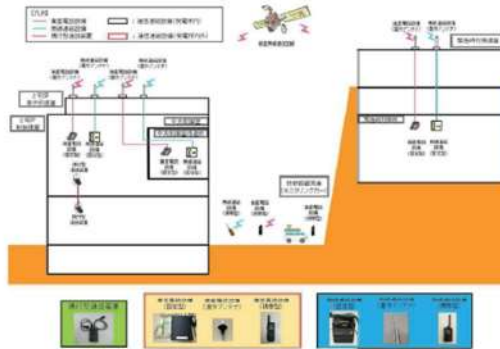


○通信連絡設備（発電所内）の試験・検査性について

通信連絡設備（発電所内）における試験及び検査は第62-5-1表のとおりである。  
 通信連絡設備（発電所内）の概要を第62-5-1図に示す。

第62-5-1表 通信連絡設備（発電所内）の試験・検査

| 対応設備                    | 試験・検査項目       |
|-------------------------|---------------|
| 携帯型通話装置                 | 通話通信の確認、外観の確認 |
| 無線連絡設備（固定型）、無線連絡設備（携帯型） | 通話通信の確認、外観の確認 |
| 衛星電話設備（固定型）、衛星電話設備（携帯型） | 通話通信の確認、外観の確認 |



第62-5-1図 通信連絡設備（発電所内）の概要  
 【通信連絡設備（発電所外）と共用を含む】

○通信連絡設備（発電所内）の試験・検査性について

通信連絡設備（発電所内）における試験及び検査は下表のとおりである。  
 通信連絡設備（発電所内）の概要を下图に示す。

表 通信連絡設備（発電所内）の試験・検査

| 対応設備                    | 試験・検査項目       |
|-------------------------|---------------|
| 携帯型通話装置                 | 通話通信の確認、外観の確認 |
| トランシーブ                  | 通話通信の確認、外観の確認 |
| 衛星電話設備（固定型）、衛星電話設備（携帯型） | 通話通信の確認、外観の確認 |
| テレビ会議システム（指揮所・待機所間）     | 通話通信の確認、外観の確認 |
| インターフォン                 | 通話通信の確認、外観の確認 |

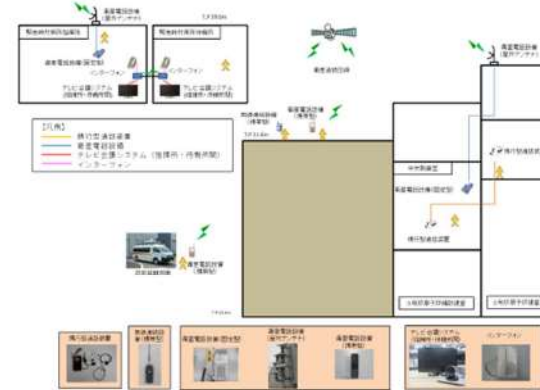


図 通信連絡設備（発電所内）の概要  
 【通信連絡設備（発電所外）と共用を含む】

【大飯】

大飯発電所3/4号炉 62条 62-4 試験・検査説明資料は、機密事項扱いで比較ができないことから、別条文より可能な限り転載して比較。

【大飯】記載表現の相違

表内「試験・検査項目」の記載相違  
 大飯：数量確認、外観確認、通話通信確認

泊：通話通信の確認、外観の確認  
 網羅的に外観の確認をする際には、そこにあること（数量）の確認も行うことから、女川に表現を合わせ、「通話通信の確認、外観の確認」とした。

通話通信確認にて、発信・着信試験を行い、その判断基準については通信設備の試験では自明であることから、女川に合わせた記載としている。

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

大飯発電所3/4号炉

女川原子力発電所2号炉

泊発電所3号炉

相違理由

【比較のため、61条 61-4試験検査説明資料より転載】

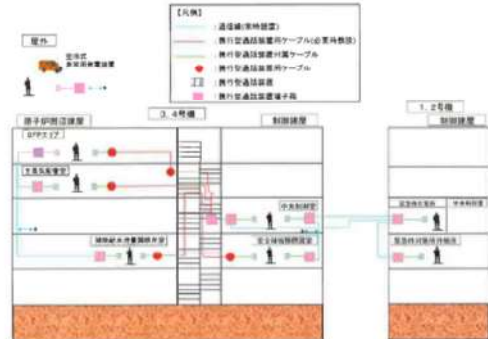
携行型通話装置 試験・検査内容

【試験構成】



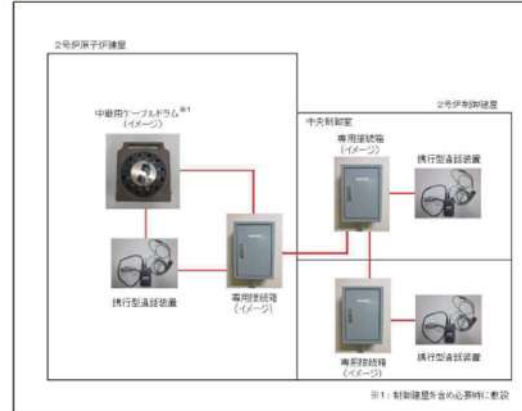
【試験・検査項目】

| 項目     | 確認方法 | 判断基準       |
|--------|------|------------|
| 数量確認   | 存在確認 | 存在すること     |
| 外観確認   | 損傷確認 | 損傷がないこと    |
| 通話通信確認 | 接続確認 | 発信が可能であること |
|        |      | 着信が可能であること |
|        | 通話確認 | 通話が可能であること |



携行型通話装置 試験・検査内容

【試験構成】

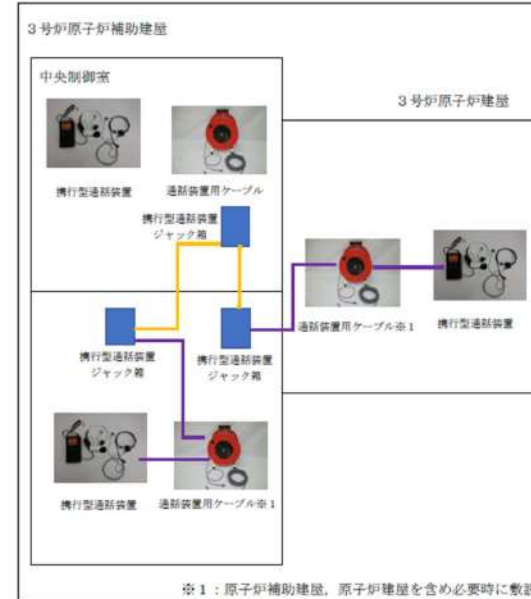


※試験区間：原子炉建屋～中央制御室、  
 制御建屋～中央制御室

第62-5-2図 携行型通話装置 試験・検査構成

携行型通話装置 試験・検査内容

【試験構成】



※1：原子炉補助建屋、原子炉建屋を含め必要時に敷設

【凡例】

- : 通信線（常時設置）
- : 通話装置用ケーブル

※試験区間：原子炉建屋～中央制御室、原子炉補助建屋～中央制御室



【大飯】

大飯発電所3/4号炉 62条 62-4  
 試験・検査説明資料は、  
 機密事項扱いで比較ができないことから、  
 別条文より可能な限り転載して比較。


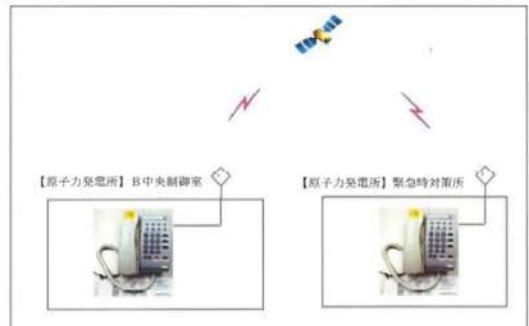

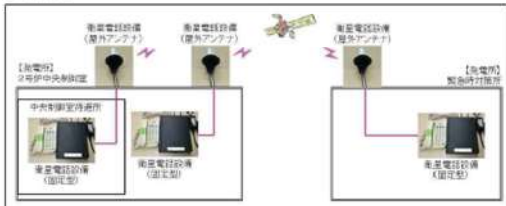
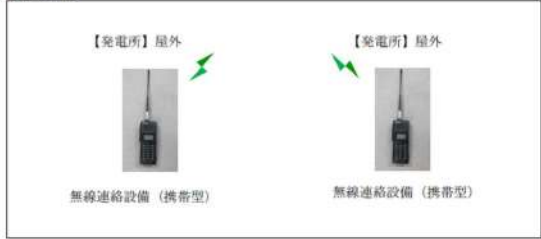
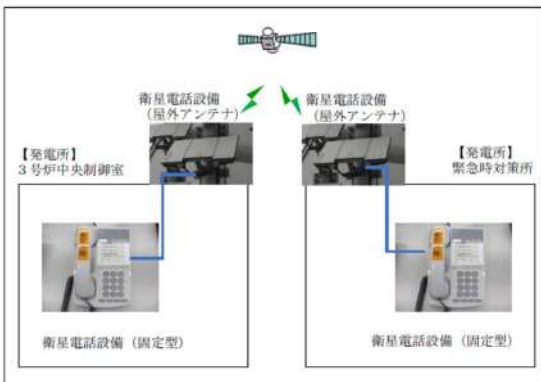

【大飯】記載箇所の相違

試験・検査項目の記載を試験検査性の概  
 要にて一覧記載。

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）


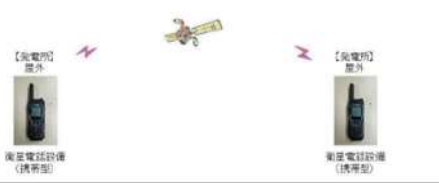

| 大阪発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉   | 泊発電所 3 号炉 | 相違理由  |
|----------------|---|-----------|---|
|                | <p>無線連絡設備（固定型） 試験・検査内容</p> <p>【試験構成】</p>  <p>※ 試験区間：中央制御室～緊急時対策所、<br/>中央制御室待避所～緊急時対策所</p> <p>第 62-5-3 回 無線連絡設備（固定型） 試験・検査構成</p> <p>無線連絡設備（固定型）、無線連絡設備（携帯型） 試験・検査内容</p> <p>【試験構成】</p>  <p>※ 試験区間：現場（携帯型）～中央制御室（固定型）、<br/>現場（携帯型）～中央制御室待避所（固定型）</p> <p>第 62-5-4 回 無線連絡設備（固定型）、無線連絡設備（携帯型） 試験・検査構成</p> |           | <p>【女川】<br/>設計の相違 2-2④のとおり。</p> <p>【女川】<br/>設計の相違 2-2④のとおり。</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

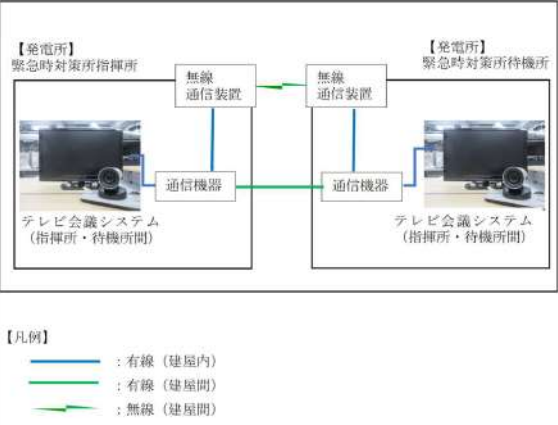
| 大飯発電所 3 / 4 号炉   | 女川原子力発電所 2 号炉 | 泊発電所 3 号炉                | 相違理由 |      |      |        |      |      |         |        |      |            |      |                          |   |  |   |
|--|---------------|--------------------------|------|------|------|--------|------|------|---------|--------|------|------------|------|--------------------------|---|--|---|
| <p>無線連絡設備 (携帯型) 試験・検査内容</p> <p>【試験構成】</p>  <p>※ 試験区間：屋外（携帯型）～ 屋外（携帯型）</p> <p>第 62-5-5 回 無線連絡設備（携帯型）試験・検査構成</p> <p>【比較のため、61条 61-4試験検査説明資料より転載】</p> <p>衛星電話（固定） 試験・検査内容</p> <p>【試験構成】</p>  <p>試験区間：B 中央制御室 ～ 緊急時対策所</p> <p>【試験・検査項目】</p> <table border="1" data-bbox="100 1173 548 1316"> <thead> <tr> <th>項目</th> <th>確認方法</th> <th>判断基準</th> </tr> </thead> <tbody> <tr> <td>数量確認</td> <td>目視確認</td> <td>存在すること</td> </tr> <tr> <td>外觀確認</td> <td>損傷確認</td> <td>損傷がないこと</td> </tr> <tr> <td rowspan="2">通話通信確認</td> <td>接続確認</td> <td>発信が可能であること</td> </tr> <tr> <td>通話確認</td> <td>着信が可能であること<br/>通話が可能であること</td> </tr> </tbody> </table> | 項目            | 確認方法                     | 判断基準 | 数量確認 | 目視確認 | 存在すること | 外觀確認 | 損傷確認 | 損傷がないこと | 通話通信確認 | 接続確認 | 発信が可能であること | 通話確認 | 着信が可能であること<br>通話が可能であること | <p>無線連絡設備 (携帯型) 試験・検査内容</p> <p>【試験構成】</p>  <p>※ 試験区間：屋外（携帯型）～ 屋外（携帯型）</p> <p>第 62-5-5 回 無線連絡設備（携帯型）試験・検査構成</p> <p>衛星電話設備 (固定型) 試験・検査内容</p> <p>【試験構成】</p>  <p>※ 試験区間：中央制御室～ 緊急時対策所、<br/>中央制御室待避所～緊急時対策所</p> <p>第 62-5-6 回 衛星電話設備（固定型）試験・検査構成</p> | <p>無線連絡設備 (携帯型) 試験・検査内容</p> <p>【試験構成】</p>  <p>※試験区間：屋外～屋外</p> <p>衛星電話設備 (固定型) 試験・検査内容</p> <p>【試験構成】</p>  <p>【凡例】<br/>  : 有線（建屋内）</p> <p>※試験区間：中央制御室～緊急時対策所</p> | <p>【大飯】<br/>         大飯発電所 3 / 4 号炉 62 条 62-4 試験・検査説明資料は、機密事項扱いで比較ができないことから、別条文より転載して比較。</p> <p>【大飯】<br/>         ・マスキングのため比較不可。</p> <p>【大飯】記載箇所の相違<br/>         試験・検査項目の記載を試験検査性の概要にて一覧記載。</p> |
| 項目   | 確認方法          | 判断基準                     |      |      |      |        |      |      |         |        |      |            |      |                          |   |  |   |
| 数量確認   | 目視確認          | 存在すること                   |      |      |      |        |      |      |         |        |      |            |      |                          |   |  |   |
| 外觀確認   | 損傷確認          | 損傷がないこと                  |      |      |      |        |      |      |         |        |      |            |      |                          |   |  |   |
| 通話通信確認   | 接続確認          | 発信が可能であること               |      |      |      |        |      |      |         |        |      |            |      |                          |   |  |   |
|  | 通話確認          | 着信が可能であること<br>通話が可能であること |      |      |      |        |      |      |         |        |      |            |      |                          |   |  |   |



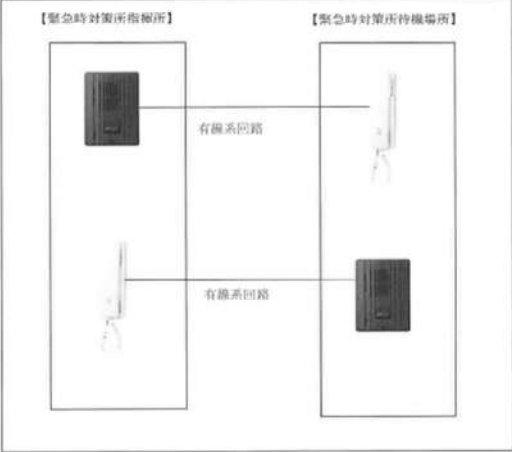
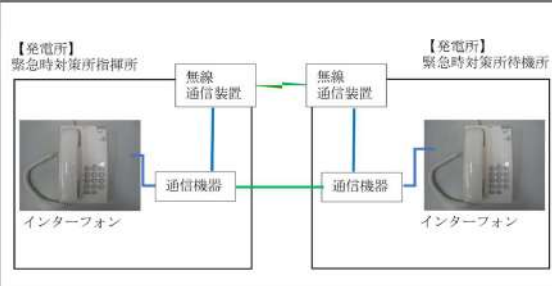
赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉   | 女川原子力発電所 2 号炉 | 泊発電所 3 号炉  | 相違理由 |      |      |        |      |      |         |        |      |            |      |            |  |  |   |
|--|---------------|------------|------|------|------|--------|------|------|---------|--------|------|------------|------|------------|--|--|---|
| <p>【比較のため、61条 61-4試験検査説明資料より転載】</p> <p>衛星電話（携帯） 試験・検査内容</p> <p>【試験構成】</p>  <p>試験区間：現場 ～ 緊急時対策所</p> <p>【試験・検査項目】</p> <table border="1" data-bbox="129 694 533 813"> <thead> <tr> <th>項目</th> <th>確認方法</th> <th>判断基準</th> </tr> </thead> <tbody> <tr> <td>数量確認</td> <td>存在確認</td> <td>存在すること</td> </tr> <tr> <td>外觀確認</td> <td>損傷確認</td> <td>損傷がないこと</td> </tr> <tr> <td rowspan="2">通話通信確認</td> <td>接続確認</td> <td>発信が可能であること</td> </tr> <tr> <td>通話確認</td> <td>着信が可能であること</td> </tr> </tbody> </table> | 項目            | 確認方法       | 判断基準 | 数量確認 | 存在確認 | 存在すること | 外觀確認 | 損傷確認 | 損傷がないこと | 通話通信確認 | 接続確認 | 発信が可能であること | 通話確認 | 着信が可能であること | <p>衛星電話設備（携帯型） 試験・検査内容</p> <p>【試験構成】</p>  <p>※ 試験区間：屋外（携帯型）～ 屋外（携帯型）</p> <p>第 62-5-7 図 衛星電話設備（携帯型） 試験・検査構成</p> | <p>衛星電話設備（携帯型） 試験・検査内容</p> <p>【試験構成】</p>  <p>【発電所】<br/>緊急時対策所、<br/>3号炉中央制御室</p> <p>【凡例】<br/>— : 有線（建屋内）</p> <p>※試験区間：屋外～緊急時対策所，屋外～中央制御室</p> | <p>【大飯】<br/>大飯発電所 3 / 4 号炉 62 条 62-4 試験・検査説明資料は、機密事項扱いで比較ができないことから、別条文より可能な限り転載して比較。</p> <p>【女川】運用の相違<br/>泊では屋外の発電所災害対策要員（衛星携帯電話を使用）と緊急時対策所及び中央制御室の発電所災害対策要員（衛星電話設備（固定）を使用）間の通信を想定しているため、衛星携帯電話と衛星電話設備（固定）間の試験・検査となる。（大飯 3 / 4 号炉と同じ）</p> <p>【大飯】記載箇所の相違<br/>試験・検査項目の記載を試験検査性の概要にて一覧記載。</p> |
| 項目   | 確認方法          | 判断基準       |      |      |      |        |      |      |         |        |      |            |      |            |  |  |   |
| 数量確認   | 存在確認          | 存在すること     |      |      |      |        |      |      |         |        |      |            |      |            |  |  |   |
| 外觀確認   | 損傷確認          | 損傷がないこと    |      |      |      |        |      |      |         |        |      |            |      |            |  |  |   |
| 通話通信確認   | 接続確認          | 発信が可能であること |      |      |      |        |      |      |         |        |      |            |      |            |  |  |   |
|  | 通話確認          | 着信が可能であること |      |      |      |        |      |      |         |        |      |            |      |            |  |  |   |

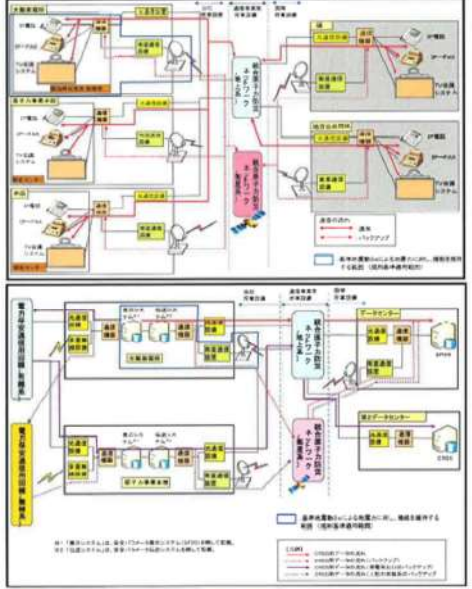
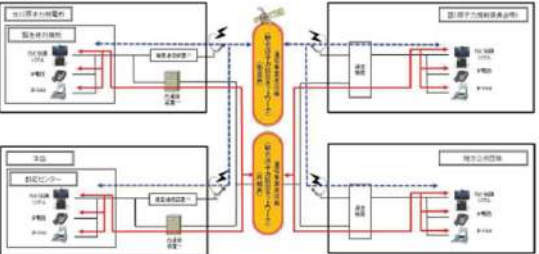
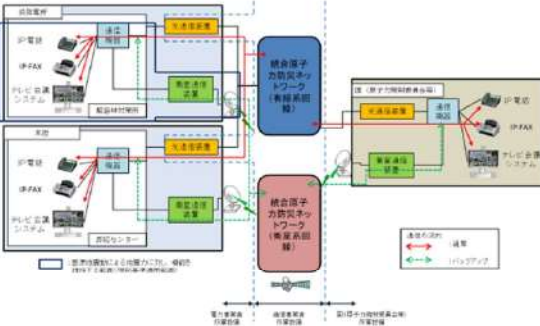
赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉 | 泊発電所 3 号炉  | 相違理由  |
|----------------|---------------|--|---|
|                |               | <p>テレビ会議システム（指揮所・待機所間） 試験・検査内容</p> <p>【試験構成】</p>  <p>【発電所】緊急時対策所指揮所</p> <p>無線通信装置</p> <p>通信機器</p> <p>テレビ会議システム（指揮所・待機所間）</p> <p>【発電所】緊急時対策所待機所</p> <p>無線通信装置</p> <p>通信機器</p> <p>テレビ会議システム（指揮所・待機所間）</p> <p>無線通信装置</p> <p>【凡例】</p> <p>— : 有線（建屋内）</p> <p>— : 有線（建屋間）</p> <p>— : 無線（建屋間）</p> <p>※試験区間：緊急時対策所指揮所～緊急時対策所待機所</p> | <p>【女川】設計の相違2-2@記載のとおり。</p> <p>【大飯】設計の相違 相違理由は、女川同様 2-2@のとおり。</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

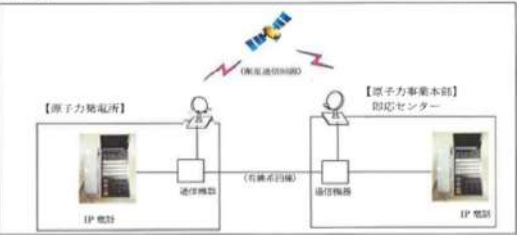
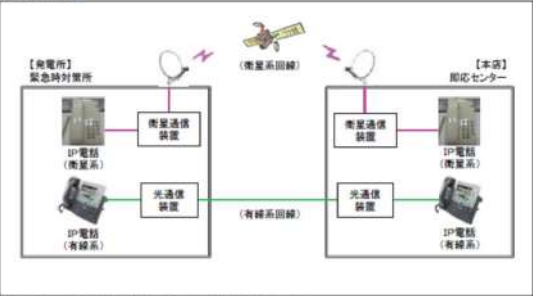

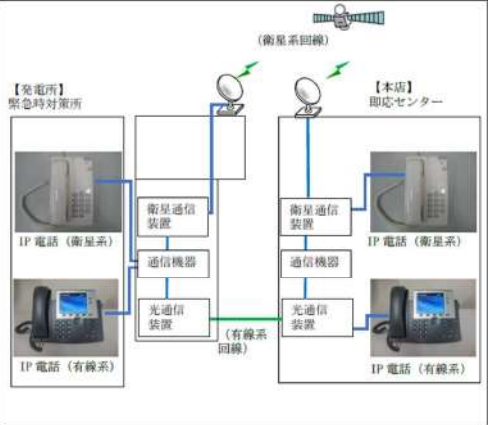
| 大飯発電所3/4号炉   | 女川原子力発電所2号炉 | 泊発電所3号炉    | 相違理由 |      |      |        |      |      |         |        |      |            |  |            |      |            |  |  |  |
|--|-------------|------------|------|------|------|--------|------|------|---------|--------|------|------------|--|------------|------|------------|--|--|--|
| <p>【比較のため、61条 61-4試験検査説明資料より転載】</p> <p><b>インターフォン 試験・検査内容</b></p> <p>【試験構成】</p>  <p>【試験・検査項目】</p> <table border="1" data-bbox="123 885 604 1029"> <thead> <tr> <th>項目</th> <th>確認方法</th> <th>判断基準</th> </tr> </thead> <tbody> <tr> <td>数量確認</td> <td>存在確認</td> <td>存在すること</td> </tr> <tr> <td>外観確認</td> <td>損傷確認</td> <td>損傷がないこと</td> </tr> <tr> <td rowspan="3">通話通信確認</td> <td>接続確認</td> <td>発信が可能であること</td> </tr> <tr> <td></td> <td>着信が可能であること</td> </tr> <tr> <td>通話確認</td> <td>通話が可能であること</td> </tr> </tbody> </table> | 項目          | 確認方法       | 判断基準 | 数量確認 | 存在確認 | 存在すること | 外観確認 | 損傷確認 | 損傷がないこと | 通話通信確認 | 接続確認 | 発信が可能であること |  | 着信が可能であること | 通話確認 | 通話が可能であること |  | <p>インターフォン 試験・検査内容</p> <p>【試験構成】</p>  <p>※インターフォンの無線通信装置及び通信機器は、テレビ会議システム（指揮所・待機所間）と同じ</p> <p>【凡例】</p> <ul style="list-style-type: none"> <li>— : 有線（建屋内）</li> <li>— : 有線（建屋間）</li> <li>— : 無線（建屋間）</li> </ul> <p>※試験区間：緊急時対策所指揮所～緊急時対策所待機所</p> | <p>【大飯】<br/>         大飯発電所3/4号炉 62条 62-4<br/>         試験・検査説明資料は、<br/>         機密事項扱いで比較ができないことから、<br/>         別条文より転載して比較。</p> <p>【女川】設計の相違2-2@記載のとおり。<br/>         【大飯】設計の相違 泊では通信回線を多<br/>         様化している。</p> |
| 項目   | 確認方法        | 判断基準       |      |      |      |        |      |      |         |        |      |            |  |            |      |            |  |  |  |
| 数量確認   | 存在確認        | 存在すること     |      |      |      |        |      |      |         |        |      |            |  |            |      |            |  |  |  |
| 外観確認   | 損傷確認        | 損傷がないこと    |      |      |      |        |      |      |         |        |      |            |  |            |      |            |  |  |  |
| 通話通信確認   | 接続確認        | 発信が可能であること |      |      |      |        |      |      |         |        |      |            |  |            |      |            |  |  |  |
|  |             | 着信が可能であること |      |      |      |        |      |      |         |        |      |            |  |            |      |            |  |  |  |
|  | 通話確認        | 通話が可能であること |      |      |      |        |      |      |         |        |      |            |  |            |      |            |  |  |  |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3/4号炉  | 女川原子力発電所2号炉        | 泊発電所3号炉 | 相違理由     |                  |          |                  |          |                  |   |                  |   |                    |             |                    |   |      |         |                         |               |  |               |   |      |         |                                     |               |  |               |  |
|---|--------------------|---------|----------|------------------|----------|------------------|----------|------------------|---|------------------|---|--------------------|-------------|--------------------|---|------|---------|-------------------------|---------------|--|---------------|---|------|---------|-------------------------------------|---------------|--|---------------|--|
| <p>【比較のため、61条 61-4試験検査説明資料より転載】</p> <p>通信連絡設備（発電所外用）〔社外〕の試験・検査</p> <table border="1" data-bbox="89 255 638 446"> <thead> <tr> <th>対応設備</th> <th>試験・検査項目</th> </tr> </thead> <tbody> <tr> <td>衛星電話（固定）</td> <td>数量確認、外観確認、通話通信確認</td> </tr> <tr> <td>衛星電話（携帯）</td> <td>数量確認、外観確認、通話通信確認</td> </tr> <tr> <td>衛星電話（可搬）</td> <td>数量確認、外観確認、通話通信確認</td> </tr> <tr> <td>統合原子力防災ネットワークに接続する通信連絡設備（テレビ会議システム、IP電話及びIP-FAX（有線系、衛星系））</td> <td>数量確認、外観確認、通話通信確認</td> </tr> <tr> <td>安全パラメータ表示システム（SPDS）、SPDS表示装置及び安全パラメータ伝送システム</td> <td>数量確認、外観確認、機能・性能の確認</td> </tr> <tr> <td>緊急時衛星通信システム</td> <td>数量確認、外観確認、機能・性能の確認</td> </tr> </tbody> </table>  | 対応設備               | 試験・検査項目 | 衛星電話（固定） | 数量確認、外観確認、通話通信確認 | 衛星電話（携帯） | 数量確認、外観確認、通話通信確認 | 衛星電話（可搬） | 数量確認、外観確認、通話通信確認 | 統合原子力防災ネットワークに接続する通信連絡設備（テレビ会議システム、IP電話及びIP-FAX（有線系、衛星系）） | 数量確認、外観確認、通話通信確認 | 安全パラメータ表示システム（SPDS）、SPDS表示装置及び安全パラメータ伝送システム | 数量確認、外観確認、機能・性能の確認 | 緊急時衛星通信システム | 数量確認、外観確認、機能・性能の確認 | <p>○通信連絡設備（発電所外用）の試験・検査性について</p> <p>通信連絡設備（発電所外用）における試験及び検査は第62-5-2表のとおりである。通信連絡設備（発電所外用）の概要を第62-5-8図に示す。</p> <table border="1" data-bbox="683 367 1220 486"> <caption>第62-5-2表 通信連絡設備（発電所外用）の試験・検査</caption> <thead> <tr> <th>対応設備</th> <th>試験・検査項目</th> </tr> </thead> <tbody> <tr> <td>衛星電話設備（固定型）、衛星電話設備（携帯型）</td> <td>通話通信の確認、外観の確認</td> </tr> <tr> <td>統合原子力防災ネットワークを用いた通信連絡設備（IP電話、IP-FAX、テレビ会議システム）</td> <td>通話通信の確認、外観の確認</td> </tr> </tbody> </table>  <p>第62-5-8図 通信連絡設備（発電所外用）の概要</p> | 対応設備 | 試験・検査項目 | 衛星電話設備（固定型）、衛星電話設備（携帯型） | 通話通信の確認、外観の確認 | 統合原子力防災ネットワークを用いた通信連絡設備（IP電話、IP-FAX、テレビ会議システム） | 通話通信の確認、外観の確認 | <p>○通信連絡設備（発電所外用）の試験・検査性について</p> <p>通信連絡設備（発電所外用）における試験及び検査は下表のとおりである。通信連絡設備（発電所外用）の概要を下記に示す。</p> <table border="1" data-bbox="1265 375 1803 494"> <caption>表 通信連絡設備（発電所外用）の試験・検査</caption> <thead> <tr> <th>対応設備</th> <th>試験・検査項目</th> </tr> </thead> <tbody> <tr> <td>衛星電話設備（固定型）、衛星電話設備（FAX）、衛星電話設備（携帯型）</td> <td>通話通信の確認、外観の確認</td> </tr> <tr> <td>統合原子力防災ネットワークを用いた通信連絡設備（IP電話、IP-FAX、テレビ会議システム）</td> <td>通話通信の確認、外観の確認</td> </tr> </tbody> </table>  <p>図 通信連絡設備（発電所外用）の概要</p> | 対応設備 | 試験・検査項目 | 衛星電話設備（固定型）、衛星電話設備（FAX）、衛星電話設備（携帯型） | 通話通信の確認、外観の確認 | 統合原子力防災ネットワークを用いた通信連絡設備（IP電話、IP-FAX、テレビ会議システム） | 通話通信の確認、外観の確認 | <p>【大飯】<br/>         大飯発電所3/4号炉 62条 62-4 試験・検査説明資料は、機密事項扱いで比較ができないことから、別条文より転載して比較。</p> <p>【大飯】記載表現の相違<br/>         表内「試験・検査項目」の記載相違<br/>         大飯：数量確認、外観確認、通話通信確認<br/>         泊：通話通信の確認、外観の確認<br/>         網羅的に外観の確認をする際には、そこにあること（数量）の確認も行うことから、女川に表現を合わせ、「通話通信の確認、外観の確認」とした。<br/>         通話通信確認にて、発信・着信試験を行い、その判断基準については通信設備の試験では自明であることから、女川に合わせた記載としている。</p> <p>【大飯】記載方針の相違<br/>         泊のデータ伝送設備（発電所内）及びデータ伝送設備（発電所外）（大飯3/4号炉でいう安全パラメータ表示システム、SPDS表示装置及び安全パラメータ伝送システム）の記載位置の相違（別途比較）</p> |
| 対応設備  | 試験・検査項目            |         |          |                  |          |                  |          |                  |   |                  |   |                    |             |                    |   |      |         |                         |               |  |               |   |      |         |                                     |               |  |               |  |
| 衛星電話（固定）  | 数量確認、外観確認、通話通信確認   |         |          |                  |          |                  |          |                  |   |                  |   |                    |             |                    |   |      |         |                         |               |  |               |   |      |         |                                     |               |  |               |  |
| 衛星電話（携帯）  | 数量確認、外観確認、通話通信確認   |         |          |                  |          |                  |          |                  |   |                  |   |                    |             |                    |   |      |         |                         |               |  |               |   |      |         |                                     |               |  |               |  |
| 衛星電話（可搬）  | 数量確認、外観確認、通話通信確認   |         |          |                  |          |                  |          |                  |   |                  |   |                    |             |                    |   |      |         |                         |               |  |               |   |      |         |                                     |               |  |               |  |
| 統合原子力防災ネットワークに接続する通信連絡設備（テレビ会議システム、IP電話及びIP-FAX（有線系、衛星系））   | 数量確認、外観確認、通話通信確認   |         |          |                  |          |                  |          |                  |   |                  |   |                    |             |                    |   |      |         |                         |               |  |               |   |      |         |                                     |               |  |               |  |
| 安全パラメータ表示システム（SPDS）、SPDS表示装置及び安全パラメータ伝送システム   | 数量確認、外観確認、機能・性能の確認 |         |          |                  |          |                  |          |                  |   |                  |   |                    |             |                    |   |      |         |                         |               |  |               |   |      |         |                                     |               |  |               |  |
| 緊急時衛星通信システム   | 数量確認、外観確認、機能・性能の確認 |         |          |                  |          |                  |          |                  |   |                  |   |                    |             |                    |   |      |         |                         |               |  |               |   |      |         |                                     |               |  |               |  |
| 対応設備  | 試験・検査項目            |         |          |                  |          |                  |          |                  |   |                  |   |                    |             |                    |   |      |         |                         |               |  |               |   |      |         |                                     |               |  |               |  |
| 衛星電話設備（固定型）、衛星電話設備（携帯型）   | 通話通信の確認、外観の確認      |         |          |                  |          |                  |          |                  |   |                  |   |                    |             |                    |   |      |         |                         |               |  |               |   |      |         |                                     |               |  |               |  |
| 統合原子力防災ネットワークを用いた通信連絡設備（IP電話、IP-FAX、テレビ会議システム）  | 通話通信の確認、外観の確認      |         |          |                  |          |                  |          |                  |   |                  |   |                    |             |                    |   |      |         |                         |               |  |               |   |      |         |                                     |               |  |               |  |
| 対応設備  | 試験・検査項目            |         |          |                  |          |                  |          |                  |   |                  |   |                    |             |                    |   |      |         |                         |               |  |               |   |      |         |                                     |               |  |               |  |
| 衛星電話設備（固定型）、衛星電話設備（FAX）、衛星電話設備（携帯型）   | 通話通信の確認、外観の確認      |         |          |                  |          |                  |          |                  |   |                  |   |                    |             |                    |   |      |         |                         |               |  |               |   |      |         |                                     |               |  |               |  |
| 統合原子力防災ネットワークを用いた通信連絡設備（IP電話、IP-FAX、テレビ会議システム）  | 通話通信の確認、外観の確認      |         |          |                  |          |                  |          |                  |   |                  |   |                    |             |                    |   |      |         |                         |               |  |               |   |      |         |                                     |               |  |               |  |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3/4号炉  | 女川原子力発電所2号炉 | 泊発電所3号炉    | 相違理由 |      |      |        |      |      |         |        |      |            |      |            |   |   |   |
|---|-------------|------------|------|------|------|--------|------|------|---------|--------|------|------------|------|------------|---|---|---|
| <p>【比較のため、61条 61-4試験検査説明資料より転載】</p> <p><b>IP電話（統合原子力防災ネットワーク） 試験・検査内容</b></p> <p>【試験構成】</p>  <p>【試験・検査項目】</p> <table border="1" data-bbox="107 1284 548 1417"> <thead> <tr> <th>項目</th> <th>確認方法</th> <th>判断基準</th> </tr> </thead> <tbody> <tr> <td>数量確認</td> <td>存在確認</td> <td>存在すること</td> </tr> <tr> <td>外觀確認</td> <td>損傷確認</td> <td>損傷がないこと</td> </tr> <tr> <td rowspan="2">通話通信確認</td> <td>接続確認</td> <td>通信が可能であること</td> </tr> <tr> <td>通話確認</td> <td>通信が可能であること</td> </tr> </tbody> </table> | 項目          | 確認方法       | 判断基準 | 数量確認 | 存在確認 | 存在すること | 外觀確認 | 損傷確認 | 損傷がないこと | 通話通信確認 | 接続確認 | 通信が可能であること | 通話確認 | 通信が可能であること | <p>統合原子力防災ネットワークを用いた通信連絡設備（IP電話） 試験・検査内容</p> <p>【試験構成】</p>  <p>※ 試験区間：緊急時対策所～本店即応センター</p> <p>第62-5-9図 統合原子力防災ネットワークを用いた通信連絡設備（IP電話）試験・検査構成</p> | <p>衛星電話設備（FAX） 試験・検査内容</p> <p>【試験構成】</p>  <p>【凡例】</p> <p>— : 有線（建屋内）</p> <p>※試験区間：緊急時対策所～即応センター</p> <p>統合原子力防災ネットワークを用いた通信連絡設備（IP電話） 試験・検査内容</p> <p>【試験構成】</p>  <p>【凡例】</p> <p>— : 有線（建屋内）</p> <p>※試験区間：緊急時対策所指図書～本店即応センター</p> | <p>【大飯】<br/>             大飯発電所3/4号炉 62条 62-4 試験・検査説明資料は、機密事項扱いで比較ができないことから、別条文より転載して比較。</p> <p>【女川】設計方針の相違 2-2⑥記載のとおり。</p> <p>【大飯】<br/>             泊はIP電話（衛星系）及びIP電話（有線系）の写真を掲載。実質相違なし。</p> <p>【大飯】記載箇所の相違<br/>             試験・検査項目の記載を試験検査性の概要にて一覧記載。</p> |
| 項目  | 確認方法        | 判断基準       |      |      |      |        |      |      |         |        |      |            |      |            |   |   |   |
| 数量確認  | 存在確認        | 存在すること     |      |      |      |        |      |      |         |        |      |            |      |            |   |   |   |
| 外觀確認  | 損傷確認        | 損傷がないこと    |      |      |      |        |      |      |         |        |      |            |      |            |   |   |   |
| 通話通信確認  | 接続確認        | 通信が可能であること |      |      |      |        |      |      |         |        |      |            |      |            |   |   |   |
|   | 通話確認        | 通信が可能であること |      |      |      |        |      |      |         |        |      |            |      |            |   |   |   |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3/4号炉   | 女川原子力発電所2号炉 | 泊発電所3号炉                       | 相違理由 |      |      |        |      |      |         |        |      |            |      |                               |  |  |  |
|--|-------------|-------------------------------|------|------|------|--------|------|------|---------|--------|------|------------|------|-------------------------------|--|--|--|
| <p>【比較のため、61条 61-4試験検査説明資料より転載】</p> <p>IP-FAX (有線系、衛星系) (統合原子力防災ネットワーク) 試験・検査内容</p> <p>【試験構成】</p> <p>【試験・検査項目】</p> <table border="1"> <thead> <tr> <th>項目</th> <th>確認方法</th> <th>判断基準</th> </tr> </thead> <tbody> <tr> <td>数量確認</td> <td>存在確認</td> <td>存在すること</td> </tr> <tr> <td>外觀確認</td> <td>損傷確認</td> <td>損傷がないこと</td> </tr> <tr> <td rowspan="2">通話通信確認</td> <td>接続確認</td> <td>発信が可能であること</td> </tr> <tr> <td>通信確認</td> <td>着信が可能であること<br/>FAX 送受信が可能であること</td> </tr> </tbody> </table> | 項目          | 確認方法                          | 判断基準 | 数量確認 | 存在確認 | 存在すること | 外觀確認 | 損傷確認 | 損傷がないこと | 通話通信確認 | 接続確認 | 発信が可能であること | 通信確認 | 着信が可能であること<br>FAX 送受信が可能であること | <p>統合原子力防災ネットワークを用いた通信連絡設備 (IP-FAX) 試験・検査内容</p> <p>【試験構成】</p> <p>※ 試験区間：緊急時対策所～本店即応センター</p> <p>第62-5-10 図 統合原子力防災ネットワークを用いた通信連絡設備 (IP-FAX) 試験・検査構成</p> | <p>統合原子力防災ネットワークを用いた通信連絡設備 (IP-FAX) 試験・検査内容</p> <p>【試験構成】</p> <p>【凡例】</p> <p>— : 有線 (建屋内)</p> <p>※試験区間：緊急時対策所指所～本店即応センター</p> | <p>【大飯】<br/>                 大飯発電所3/4号炉 62条 62-4 試験・検査説明資料は、機密事項扱いで比較ができないことから、別条文より転載して比較。</p> <p>【大飯】記載箇所の相違<br/>                 試験・検査項目の記載を試験検査性の概要にて一覧記載。</p> |
| 項目   | 確認方法        | 判断基準                          |      |      |      |        |      |      |         |        |      |            |      |                               |  |  |  |
| 数量確認   | 存在確認        | 存在すること                        |      |      |      |        |      |      |         |        |      |            |      |                               |  |  |  |
| 外觀確認   | 損傷確認        | 損傷がないこと                       |      |      |      |        |      |      |         |        |      |            |      |                               |  |  |  |
| 通話通信確認   | 接続確認        | 発信が可能であること                    |      |      |      |        |      |      |         |        |      |            |      |                               |  |  |  |
|  | 通信確認        | 着信が可能であること<br>FAX 送受信が可能であること |      |      |      |        |      |      |         |        |      |            |      |                               |  |  |  |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

大飯発電所3/4号炉

女川原子力発電所2号炉

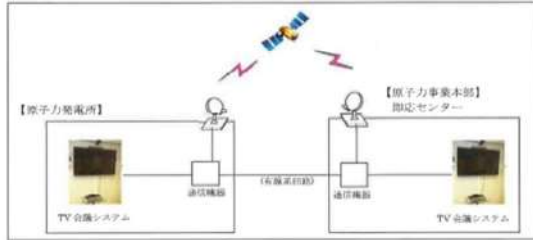
泊発電所3号炉

相違理由

【比較のため、61条 61-4試験検査説明資料より転載】

テレビ会議システム（統合原子力防災ネットワーク） 試験・検査内容

【試験構成】

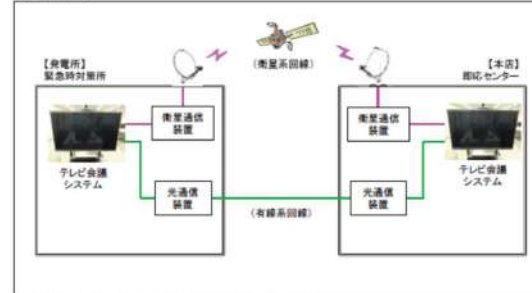


【試験・検査項目】

| 項目     | 確認方法       | 判断基準       |
|--------|------------|------------|
| 数量確認   | 存在確認       | 存在すること     |
| 外觀確認   | 損傷確認       | 損傷がないこと    |
| 通話通信確認 | 接続確認       | 発信が可能であること |
|        |            | 着信が可能であること |
|        | 通話確認（映像含む） | 通話が可能であること |

統合原子力防災ネットワークを用いた通信連絡設備（テレビ会議システム）  
 試験・検査内容

【試験構成】

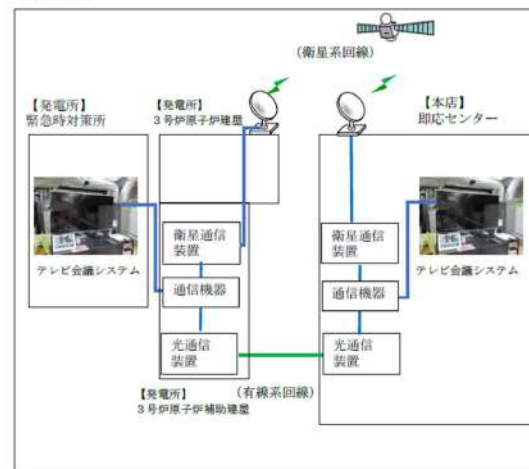


※ 試験区間：緊急時対策所～本店即応センター

第62-5-11 図 統合原子力防災ネットワークを用いた通信連絡設備  
 （テレビ会議システム） 試験・検査構成

統合原子力防災ネットワークを用いた通信連絡設備（TV会議システム）試験・検査内容

【試験構成】



【凡例】

— : 有線（建屋内）

※試験区間：緊急時対策所指播所～本店即応センター

【大飯】

大飯発電所3/4号炉 62条 62-4  
 試験・検査説明資料は、  
 機密事項扱いで比較ができないことから、  
 別条文より転載して比較。

【大飯】記載箇所の相違

試験・検査項目の記載を試験検査性の  
 概要にて一覧記載。

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所3/4号炉

【比較のため、61条 61-4試験検査説明資料より転載【再掲】】

通信連絡設備（発電所外用）【社外】の試験・検査

| 対応設備  | 試験・検査項目            |
|---|--------------------|
| 衛星電話（固定）  | 数量確認、外観確認、通話通信確認   |
| 衛星電話（携帯）  | 数量確認、外観確認、通話通信確認   |
| 衛星電話（可搬）  | 数量確認、外観確認、通話通信確認   |
| 統合原子力監視ネットワークに接続する通信連絡設備（テレビ会議システム、IP電話及びIP-FAX（伝送系、衛星系）） | 数量確認、外観確認、通話通信確認   |
| 安全パラメータ表示システム（SPDS）、SPDS表示装置及び安全パラメータ伝送システム               | 数量確認、外観確認、機能・性能の確認 |
| 緊急時衛星連絡システム   | 数量確認、外観確認、機能・性能の確認 |

女川原子力発電所2号炉

○安全パラメータ表示システム（SPDS）及びデータ伝送設備の試験・検査性について

安全パラメータ表示システム（SPDS）及びデータ伝送設備における試験及び検査は第62-5-3表のとおりである。

第62-5-3表 安全パラメータ表示システム（SPDS）及びデータ伝送設備の試験・検査

| 対応設備                | 試験・検査項目     |
|---------------------|-------------|
| 安全パラメータ表示システム（SPDS） | 機能の確認、外観の確認 |
| データ伝送設備             | 機能の確認、外観の確認 |

第62-5-12図 安全パラメータ表示システム（SPDS）及びデータ伝送設備の概要

泊発電所3号炉

○データ伝送設備（発電所内）及びデータ伝送設備（発電所外）の試験・検査性について

データ伝送設備（発電所内）及びデータ伝送設備（発電所外）における試験及び検査は下表のとおりである。

データ伝送設備（発電所内）及びデータ伝送設備（発電所外）の概要を下图に示す。

表 データ伝送設備（発電所内）及びデータ伝送設備（発電所外）の試験・検査

| 対応設備          | 試験・検査項目     |
|---------------|-------------|
| データ伝送設備（発電所内） | 機能の確認、外観の確認 |
| データ伝送設備（発電所外） | 機能の確認、外観の確認 |

図 データ伝送設備（発電所内）及びデータ伝送設備（発電所外）の概要

相違理由

【大飯】

試験・検査項目の記載相違  
 大飯：数量確認、外観確認、通話通信確認  
 泊：通話通信の確認、外観の確認

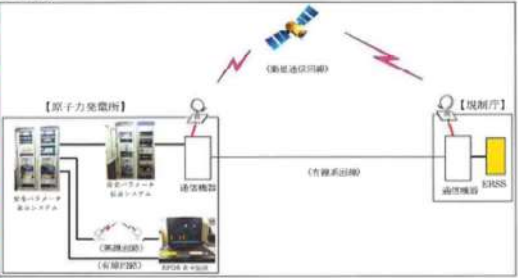
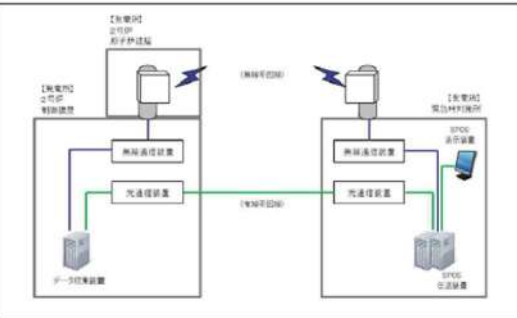
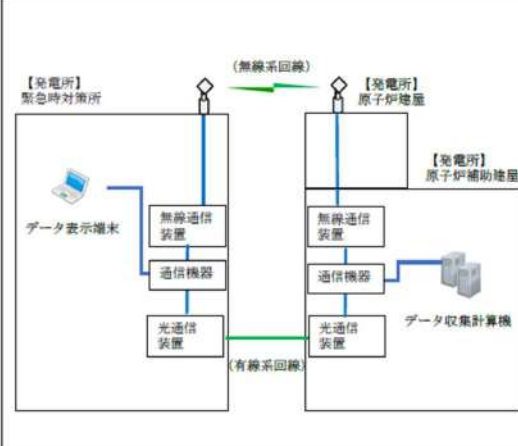
大飯：数量確認、外観確認、機能・性能の確認  
 泊：通話通信の確認、外観の確認、機能・性能の確認

網羅的に外観の確認をする際には、そこにあること（数量）の確認も行うことから、女川に表現を合わせ、「通話通信の確認、外観の確認」とした。

通話通信確認にて、発信・着信試験を行い、その判断基準については通信設備の試験では自明であることから、こちらも女川に合わせた記載としている。

機能の確認にて、その性能も確認することから、女川にあわせて機能の確認と記載している。

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉  | 女川原子力発電所 2 号炉 | 泊発電所 3 号炉  | 相違理由 |      |      |        |      |      |         |          |      |            |  |  |   |
|---|---------------|------------|------|------|------|--------|------|------|---------|----------|------|------------|--|--|---|
| <p>【比較のため、61条 61-4試験検査説明資料より転載】</p> <p>安全パラメータ表示システム (SPDS)、SPDS 表示装置及び安全パラメータ伝送システム 試験・検査内容</p> <p>【試験構成】</p>  <p>【試験・検査項目】</p> <table border="1" data-bbox="100 670 616 758"> <thead> <tr> <th>項目</th> <th>確認方法</th> <th>判断基準</th> </tr> </thead> <tbody> <tr> <td>数量確認</td> <td>存在確認</td> <td>存在すること</td> </tr> <tr> <td>外観確認</td> <td>損傷確認</td> <td>損傷がないこと</td> </tr> <tr> <td>機能・性能の確認</td> <td>通信確認</td> <td>通信に異常のないこと</td> </tr> </tbody> </table> <p>※ データ照会については、必要に応じて実施</p> | 項目            | 確認方法       | 判断基準 | 数量確認 | 存在確認 | 存在すること | 外観確認 | 損傷確認 | 損傷がないこと | 機能・性能の確認 | 通信確認 | 通信に異常のないこと | <p>安全パラメータ表示システム (SPDS) 試験・検査内容</p> <p>【試験構成】</p>  <p>※ 試験区間：2号炉中央制御室～緊急時対策所</p> <p>第 62-5-13 図 安全パラメータ表示システム (SPDS) 試験・検査構成</p> | <p>データ伝送設備 (発電所内) 試験・検査内容</p> <p>【試験構成】</p>  <p>【凡例】</p> <p>— : 有線 (建屋内)</p> <p>※試験区間：緊急時対策所～3号炉原子炉補助建屋</p> | <p>【大飯】<br/>                 大飯発電所 3 / 4 号炉 62 条 62-4 試験・検査説明資料は、機密事項扱いで比較ができないことから、別条文より転載して比較。</p> <p>【大飯】記載箇所の相違<br/>                 試験・検査項目の記載を試験検査性の概要にて一覧記載。</p> |
| 項目  | 確認方法          | 判断基準       |      |      |      |        |      |      |         |          |      |            |  |  |   |
| 数量確認  | 存在確認          | 存在すること     |      |      |      |        |      |      |         |          |      |            |  |  |   |
| 外観確認  | 損傷確認          | 損傷がないこと    |      |      |      |        |      |      |         |          |      |            |  |  |   |
| 機能・性能の確認  | 通信確認          | 通信に異常のないこと |      |      |      |        |      |      |         |          |      |            |  |  |   |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

大飯発電所3/4号炉

女川原子力発電所2号炉

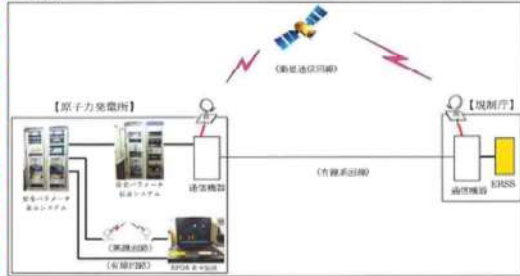
泊発電所3号炉

相違理由

【比較のため、61条 61-4試験検査説明資料より転載【再掲】】

安全パラメータ表示システム (SPDS)、SPDS 表示装置及び安全パラメータ伝送システム 試験・検査内容

【試験構成】



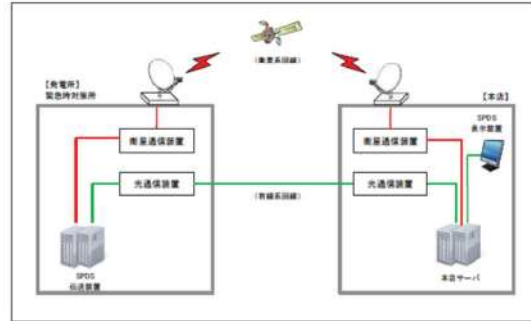
【試験・検査項目】

| 項目       | 確認方法 | 判断基準       |
|----------|------|------------|
| 数量確認     | 存在確認 | 存在すること     |
| 外観確認     | 損傷確認 | 損傷がないこと    |
| 機能・性能の確認 | 通信確認 | 通信に異常のないこと |

※ データ照会については、必要に応じて実施

データ伝送設備 試験・検査内容

【試験構成】

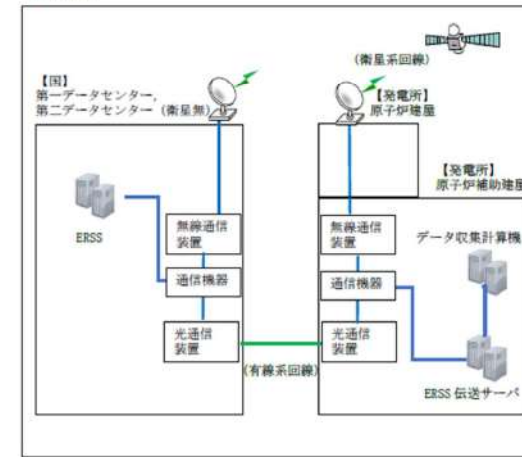


※ 試験区間：緊急時対策所 ～ 本店

第62-5-14図 データ伝送設備  
試験・検査構成

データ伝送設備 (発電所外) 試験・検査内容

【試験構成】



【凡例】

— : 有線 (建物内)

※試験区間：3号炉原子炉補助建屋～国 (ERSS 伝送)

【大飯】

大飯発電所3/4号炉 62条 62-4  
 試験・検査説明資料は、  
 機密事項扱いで比較ができないことから、  
 別条文より転載して比較。

【大飯】記載箇所の相違

試験・検査項目の記載を試験検査性の  
 概要にて一覧記載。



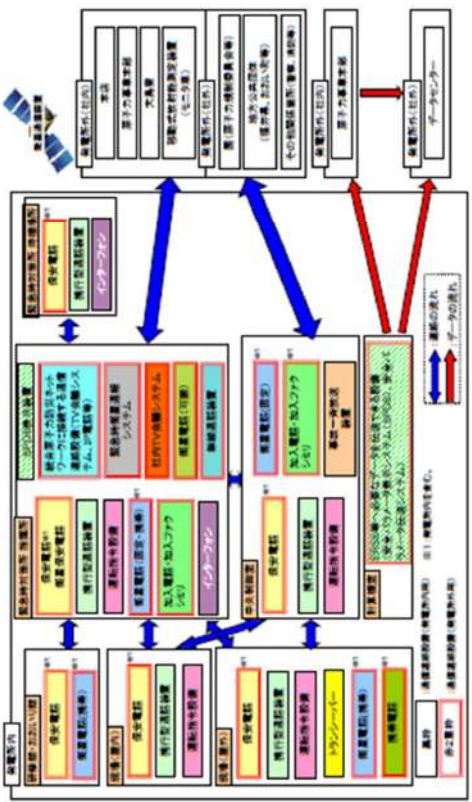
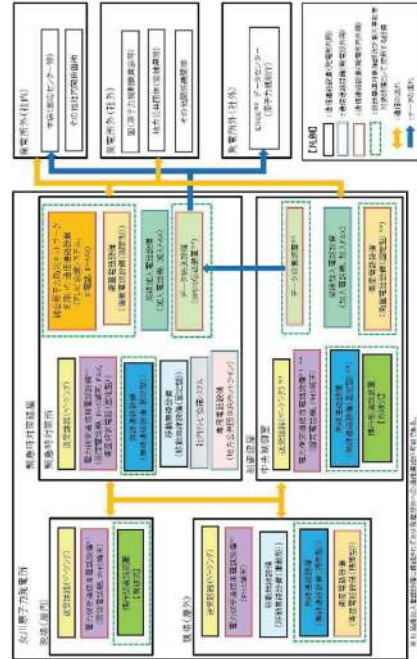
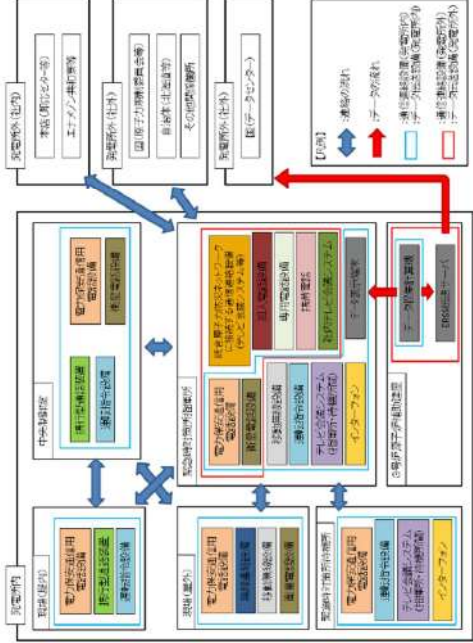
泊発電所3号炉 SA基準適合性 比較表

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

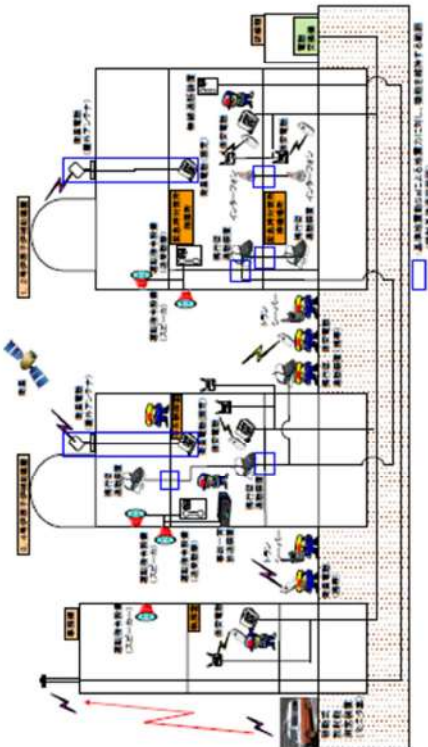
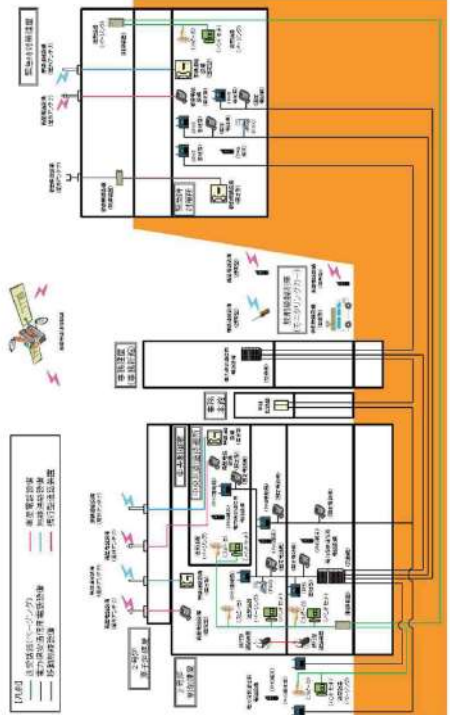
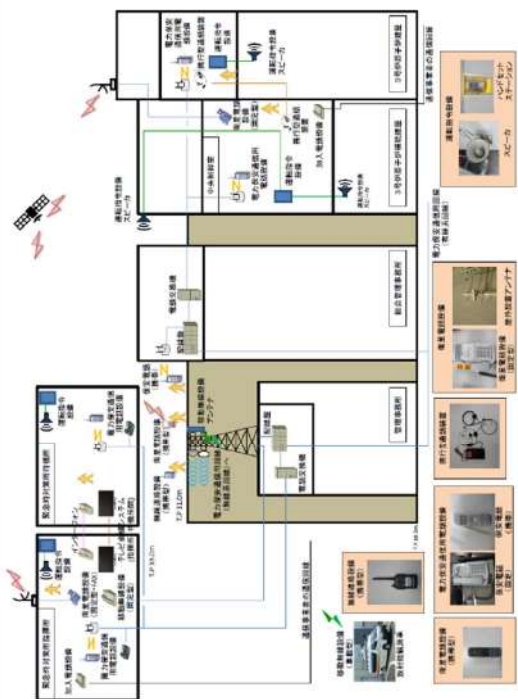
第62条 通信連絡設備

| 大飯発電所3/4号炉 | 女川原子力発電所2号炉 | 泊発電所3号炉  | 相違理由 |
|------------|-------------|----------|------|
| 62-5 系統図   | 62-5 系統図    | 62-5 系統図 |      |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉  | 女川原子力発電所 2 号炉   | 泊発電所 3 号炉  | 相違理由   |
|---|---|--|--|
| <p>通信連絡設備の系統図</p> <p>○警報装置：事故等が発生した場合に、建物内外の者への退避の指示を行う。</p> <p>○通信設備（発電所内）：中央制御室、緊急時対策所指揮所から建屋内外の者への操作、作業又は退避の指示等の連絡を行う。</p> <p>○データ伝送設備（発電所内）：緊急時対策所指揮所へ事故状態等の把握に必要なデータを伝送する。</p> <p>○通信設備（発電所外）：発電所外の必要箇所への自己の発生等に係る連絡を行う。</p> <p>○データ伝送設備（発電所外）：所内から所外の緊急時対策支援システム（ERS S）等へ必要なデータを伝送する。</p>  |  <p>第 62-4-1 図 通信連絡設備の概要</p> |  | <p>【大飯】記載表現の相違<br/>             ・概要について説明を加えている。</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

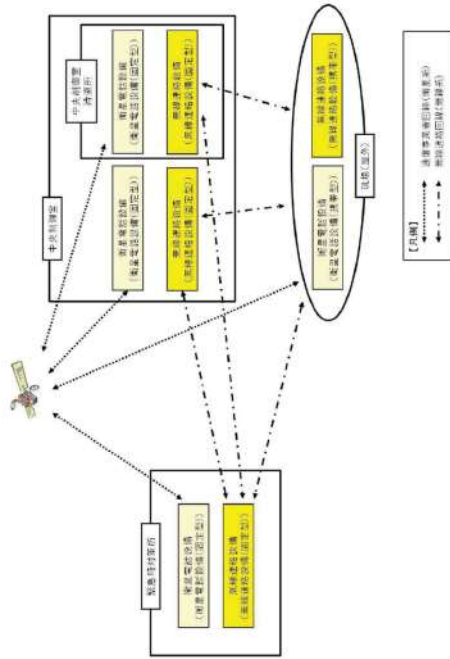
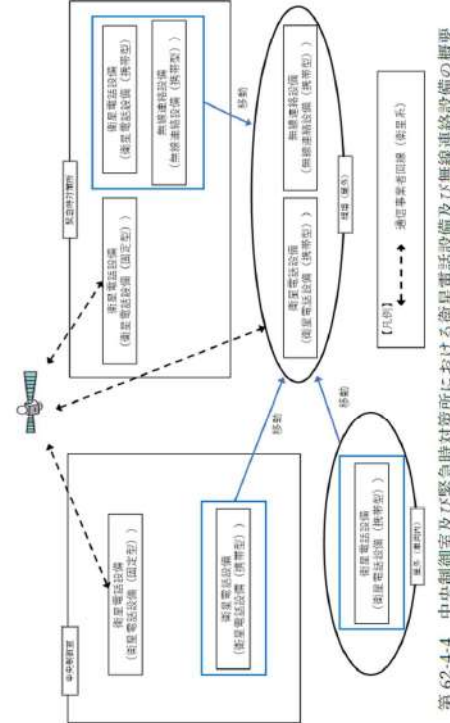
| 大飯発電所 3 / 4 号炉   | 女川原子力発電所 2 号炉   | 泊発電所 3 号炉  | 相違理由   |
|--|---|--|--|
| <p>警報装置及び通信設備（発電所内）の系統図〔通信設備（発電所外）と共用のものを含む〕</p>  | <p>第 62-4-2 図 通信連絡設備（発電所内）の概要</p>  | <p>第 62-4-2 図 通信連絡設備（発電所内）の概要</p>  | <p>【大飯】記載表現の相違<br/>             ・概要について説明を加えている。</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉   | 相違理由   |
|----------------|--|---|--|
|                | <p>第 62-4-3 図 中央制御室及び中央制御室待機所における無線連絡設備及び衛星電話設備の概要</p> | <p>第 62-4-3 中央制御室及び緊急時対応室における衛星電話設備及び無線連絡設備の概要<br/>             (1)</p> | <p>【大飯】記載方針の相違<br/>             当説明資料なし。</p> <p>【女川】設計方針の相違<br/>             2-2④記載のとおり。</p> |

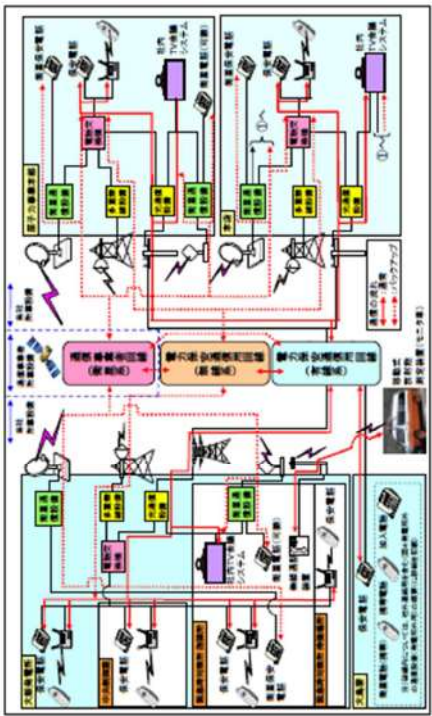
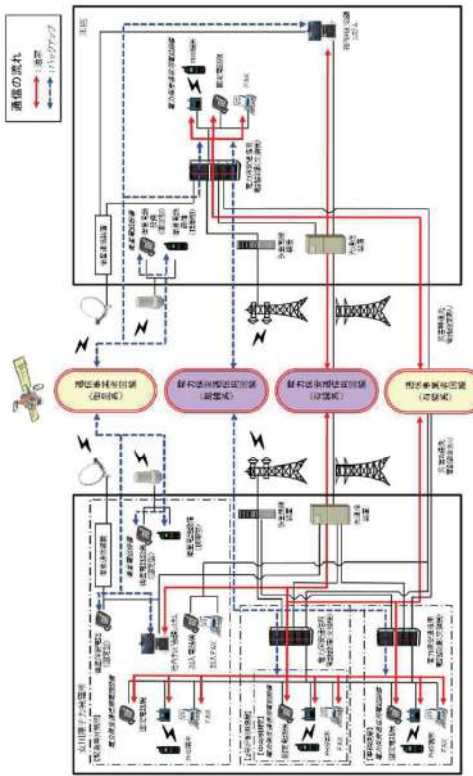
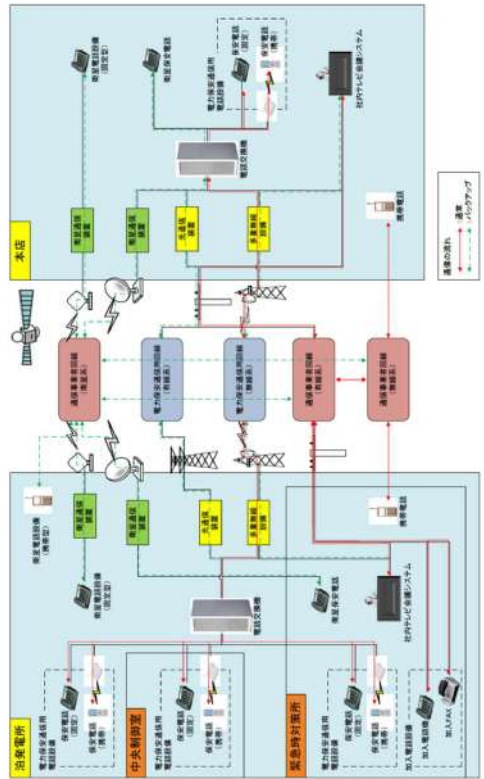


赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

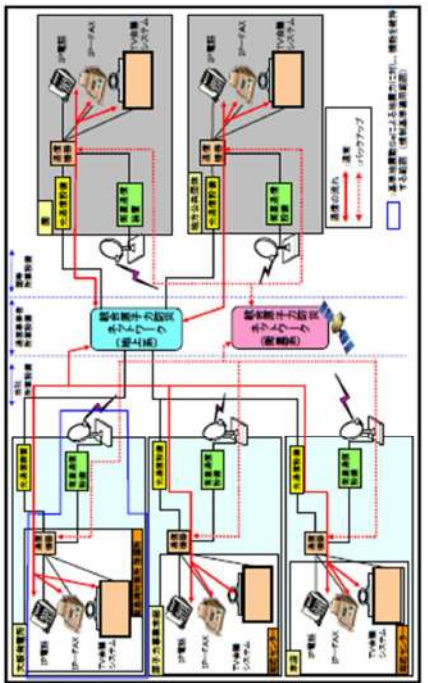
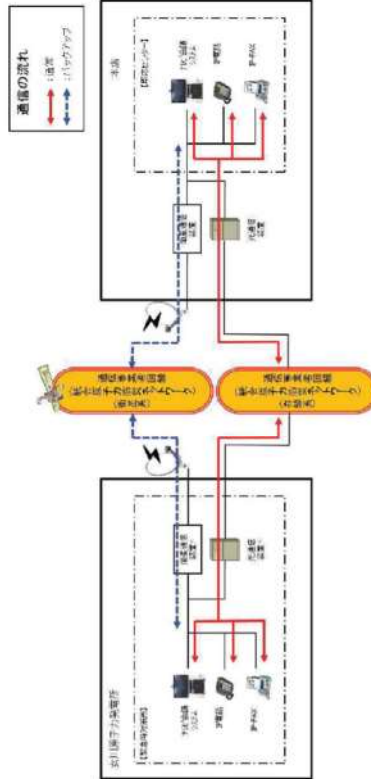
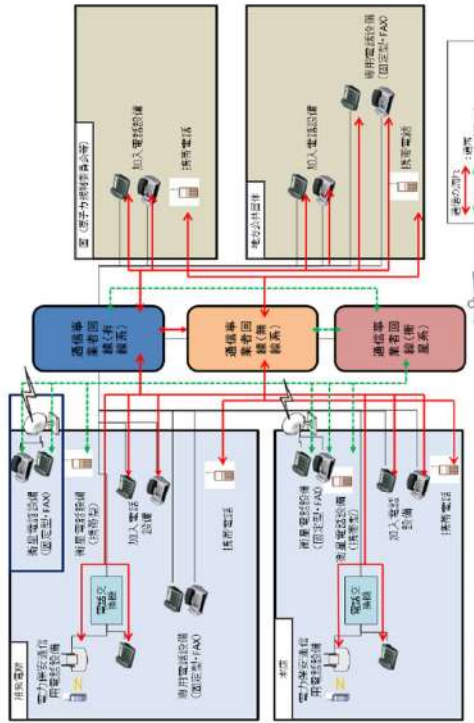
| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉   | 泊発電所 3 号炉   | 相違理由   |
|----------------|---|---|--|
|                |  <p>第 62-4-1 図 緊急時対策所における無線連絡設備及び衛星電話設備の概要</p> |  <p>第 62-4-4 中央制御室及び緊急時対策所における衛星電話設備及び無線連絡設備の概要 (2)</p> | <p>【大飯】記載方針の相違<br/>                 当説明資料なし。</p> <p>【女川】設計方針の相違<br/>                 2-2④記載のとおり。</p> |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉   | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉  | 相違理由        |
|--|--|--|-------------|
| <p>通信設備（発電所外）（社内）の系統図〔通信設備（発電所内）と共用のものを含む〕</p>  | <p>通信の流れ</p>  <p>第 62-4-5 図 通信連絡設備（発電所外〔社内関係箇所〕）の概要（その 1）</p> |  <p>第 62-4-5 図 通信連絡設備（発電所外〔社内関係箇所〕）の概要（その 1）</p> | <p>相違理由</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大阪発電所 3 / 4 号炉   | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉   | 相違理由        |
|--|--|---|-------------|
| <p>【比較のため、掲載順変更】</p> <p>通信設備（発電所外）の系統図（2 / 2）</p>  |  <p>第 62-4-6 図 通信連絡設備（発電所外〔社内関係箇所〕）の概要（その 2）</p> <p>※通信事業者等の社内ネットワークが統合された状態を前提とし、社内の詳細な設備構成は省略される。</p> |  <p>第 62-4-6 通信連絡設備（発電所外〔社内関係箇所〕）の概要（その 2）</p> <p>※赤字は記載箇所による相違を示し、緑字は記載表現の相違を示す。</p> | <p>相違理由</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

大飯発電所3/4号炉

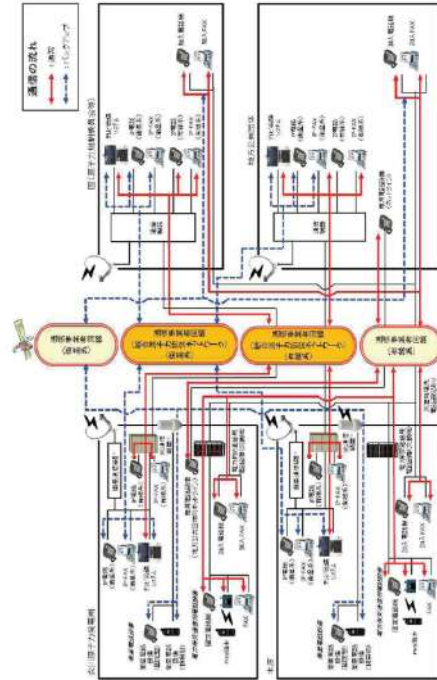
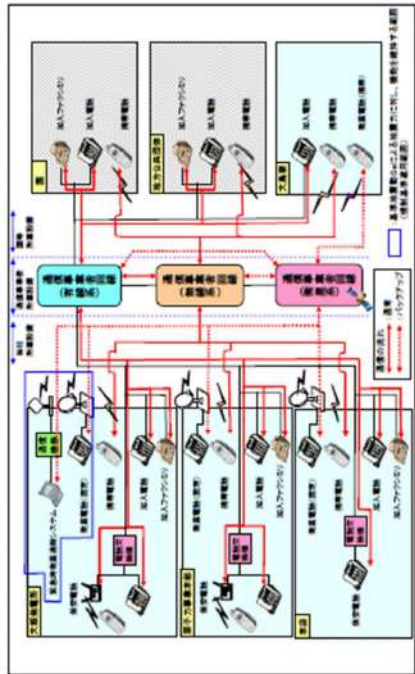
女川原子力発電所2号炉

泊発電所3号炉

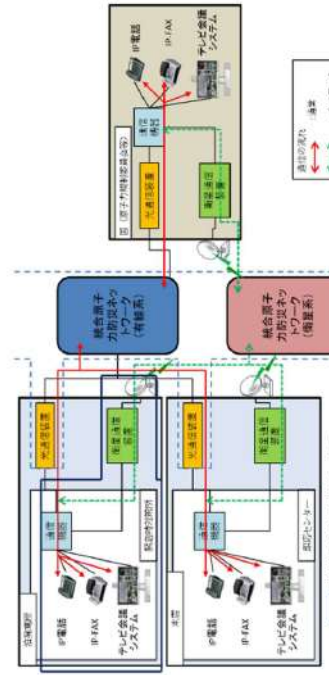
相違理由

【比較のため、掲載順変更】

通信設備（発電所外）（社外）の系統図（1/2）[通信設備（発電所外）と共用のものを含む]



第62-17号図 通信連絡設備（発電所外〔社外関係箇所〕）の概要



第62-4-7 通信連絡設備（発電所外〔社外関係箇所〕）の概要



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

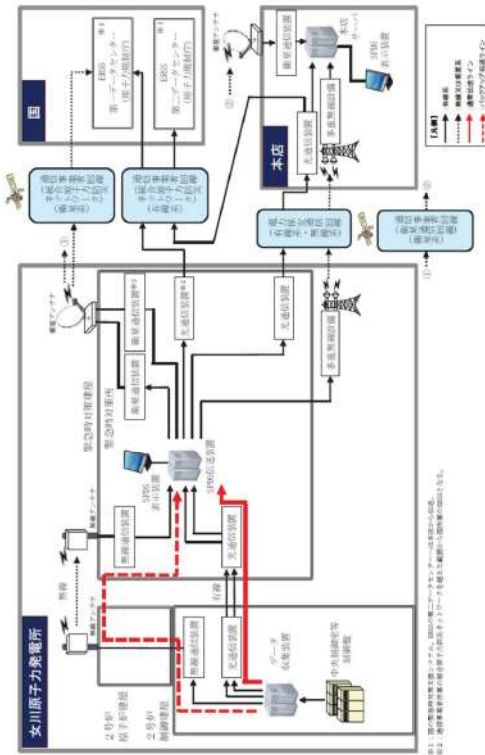
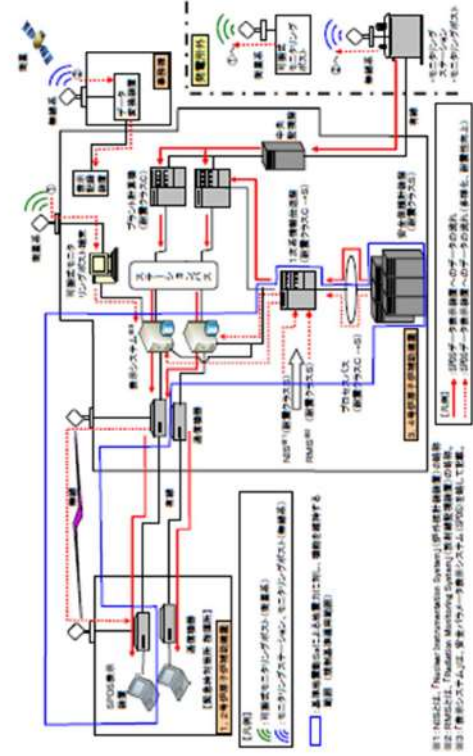
大飯発電所 3 / 4 号炉

女川原子力発電所 2 号炉

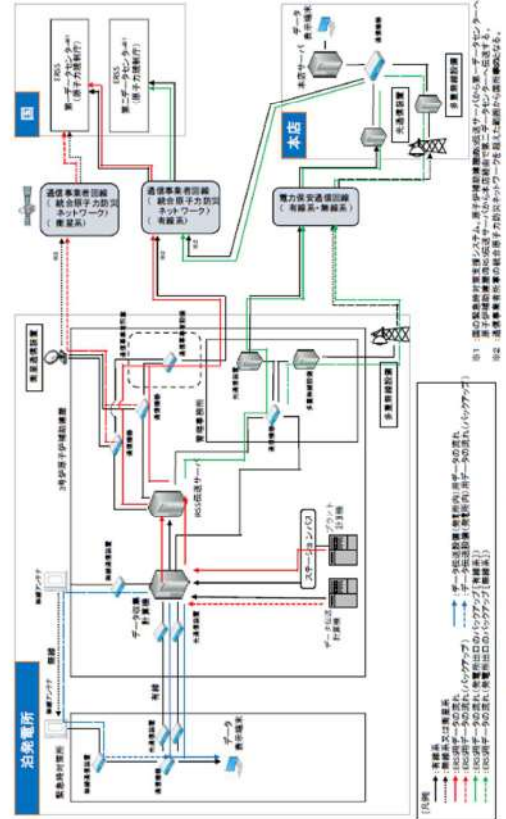
泊発電所 3 号炉

相違理由

データ伝送設備（発電所内）の系統図



第 62-4-8 図 必要な情報を把握できる設備 (安全ボタナータ表示システム (SPDS)) 及びデータ伝送設備の概要



第 62-4-8 必要な情報を把握できる設備 (データ伝送設備 (発電所内) 及びデータ伝送設備 (発電所外)) の概要

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

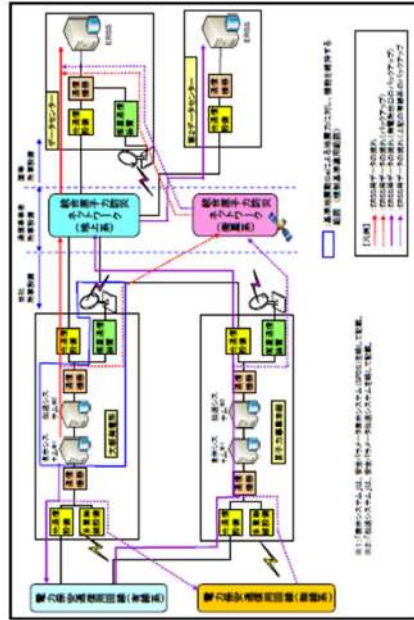
大飯発電所 3 / 4 号炉

女川原子力発電所 2 号炉

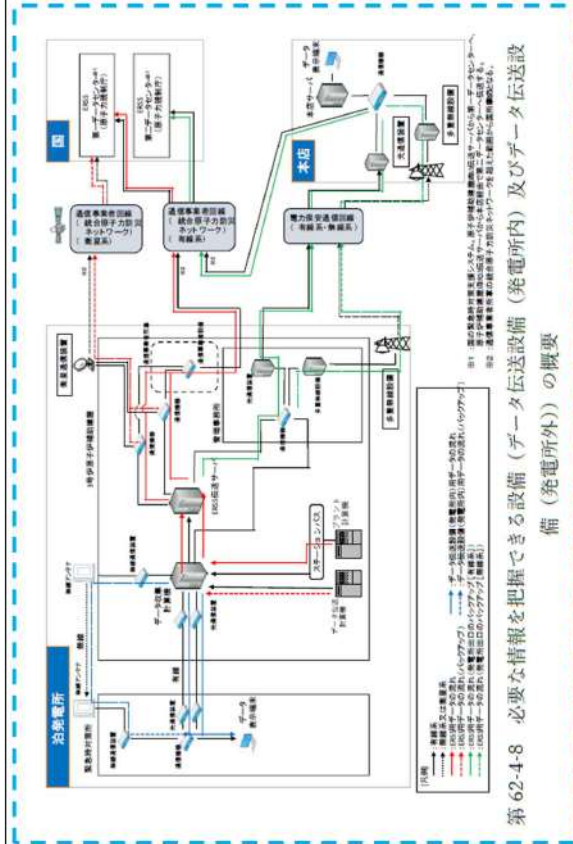
泊発電所 3 号炉

相違理由

データ伝送設備（発電所外）の系統図



【比較のため再掲】



第 62-4-8 必要な情報を把握できる設備（データ伝送設備（発電所内）及びデータ伝送設備（発電所外））の概要



泊発電所3号炉 SA基準適合性 比較表

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉         | 女川原子力発電所2号炉            | 泊発電所3号炉            | 相違理由 |
|--------------------|------------------------|--------------------|------|
| <p>62-6 容量設定根拠</p> | <p>62-5<br/>容量設定根拠</p> | <p>62-5 容量設定根拠</p> |      |









赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

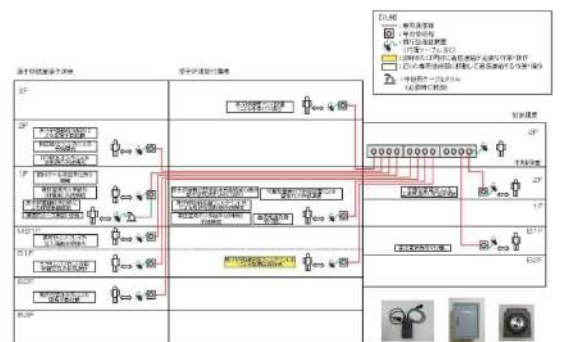
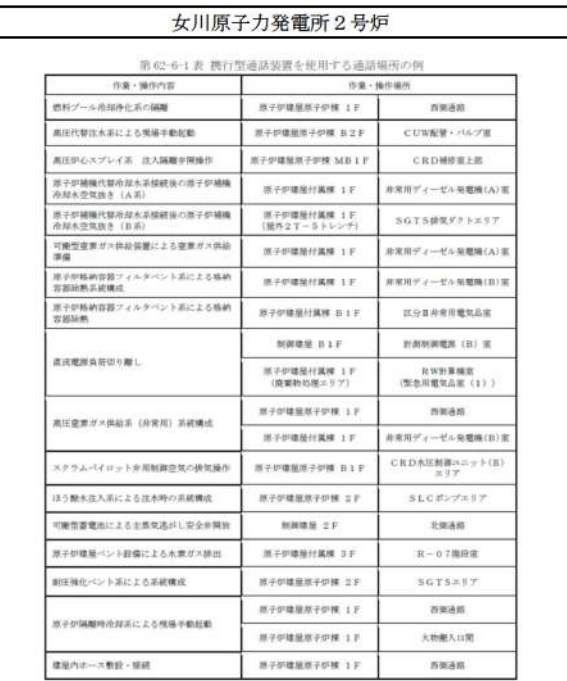
| 大飯発電所3/4号炉   | 女川原子力発電所2号炉  | 泊発電所3号炉   | 相違理由   |
|--|--|---|--|
| <p>携帯型通話装置等の使用方法及び使用場所について（1/4）</p> <p>○携帯型通話装置は、中央制御室と各現場に敷設している通信線を用いて通信連絡を行う。又、通信線（通常時）が使用出来ない場合は、中央制御室から通話装置用ケーブルを敷設し通信連絡に用いる。これらの装置については、操作マニュアルを作成しており、訓練において有効性を確認している。</p> <p>通話装置用ケーブルについては、水による影響を受けにくい材質であり、溢水においても使用できる。</p> | <p>○携帯型通話装置等の使用方法及び使用場所</p> <p>中央制御室に保管する携帯型通話装置は、通常使用している所内の通信連絡設備が使用できない場合において、中央制御室と各現場間に敷設している専用通信線を用い、携帯型通話装置を専用接続箱に接続するとともに、必要時に中継用ケーブルを敷設することにより、必要な通信連絡を行うことが可能な設計とする。</p> <p>なお、携帯型通話装置は、使用する専用通信線及び専用接続箱を含め、基準地震動Ssで機能維持できる設計とする。</p> <p>また、専用接続箱については、地震起因による溢水の影響を受けない箇所に設置し、溢水時においても使用可能な設計とする。</p> <p>通信連絡設備の必要台数は、有効性評価における各事故シーケンスグループ等で使用する台数とする。</p> <p>携帯型通話装置を用いた中央制御室と現場との通信連絡の概要について、第62-6-6図に示す。また、各事故シーケンスグループ等で使用する携帯型通話装置を使用する通話場所の例を第62-6-1表、各事故シーケンスグループ等で使用する携帯型通話装置及び無線連絡設備等の台数を第62-6-2表及び第62-6-2表に示す。</p> | <p>○携帯型通話装置等の使用方法及び使用場所</p> <p>中央制御室及び中央制御室付近に保管する携帯型通話装置は、通常使用している所内の通信連絡設備が使用できない場合において、中央制御室と各現場間に敷設している通信線を用い、携帯型通話装置を携帯型通話装置ジャック箱に接続するとともに、必要時に通話装置用ケーブルを敷設することにより、必要な通信連絡を行うことが可能な設計とする。</p> <p>なお、携帯型通話装置は、使用する通信線及び携帯型通話装置ジャック箱を含め、基準地震動で機能維持できる設計とする。</p> <p>また、携帯型通話装置ジャック箱については、地震起因による溢水の影響を受けない箇所に設置し、溢水時においても使用可能な設計とする。</p> <p>通信連絡設備の必要台数は、有効性評価における各事故シーケンスグループ等で使用する台数とする。</p> <p>携帯型通話装置を用いた中央制御室と現場との通信連絡の概要について、第62-5-6図に示す。また、各事故シーケンスグループ等で使用する携帯型通話装置を使用する通話場所の例を第62-5-1表、各事故シーケンスグループ等で使用する携帯型通話装置、無線連絡設備及び衛星電話設備（携帯型）の台数を62-5-2表、第62-5-3表及び第62-5-4-3表に示す。</p> | <p>【女川】設計方針の相違</p> <ul style="list-style-type: none"> <li>・保管場所の相違</li> </ul> <p>【女川】設備名称の相違</p> <ul style="list-style-type: none"> <li>・女川：専用通信線，泊：通信線</li> <li>・女川：専用接続箱，泊：携帯型通話装置ジャック箱</li> <li>・女川：中継用ケーブル，泊：通話装置用ケーブル</li> </ul> <p>【大飯】記載方針の相違（女川審査実績の反映）</p> <p>【大飯】記載方針の相違（女川審査実績の反映）</p> <p>【女川】設備名称の相違</p> <ul style="list-style-type: none"> <li>・女川：専用接続箱，泊：携帯型通話装置ジャック箱</li> </ul> <p>【女川】記載方針の相違</p> <ul style="list-style-type: none"> <li>・重大事故時に使用する設備を「等」ではなく，泊は各事故シーケンスグループ等で衛星電話設備（携帯型）も使用すると明確化（女川も各事故シーケンスグループの説明では，衛星電話設備（携帯型）を記載している）</li> </ul> <p>【大飯】記載方針の相違（女川審査実績の反映）</p> |



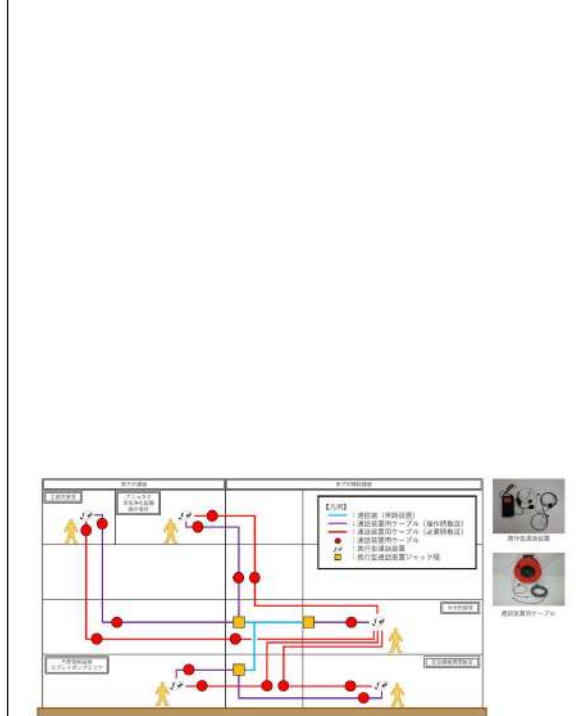
赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）



図 5 3号炉における中央制御室と現場との通信連絡概要図



第 62-6-1 表 携行型通話装置を用いた通信連絡の概要



第 62-5-1 表 携行型通話装置を用いた通信連絡の概要

相違理由

【女川】  
 記載方針の相違  
 ・泊は携行型通話装置を使用する際に必要となる通話装置用ケーブルの使用距離を記載 (大飯と同様)

【女川】記載の充実 (大飯参照)

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3/4号炉   | 女川原子力発電所2号炉 | 泊発電所3号炉      | 相違理由                      |                           |              |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
|--|-------------|--------------|---------------------------|---------------------------|--------------|----------------|----------------|----|---------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|----|--------------|---|---|---|---|---|---|----|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--|--------------|-----------|--------------|--------------|------|----|----------|--|--|--|--|--|-------------|---|---|---|---|---|-------------|---|---|---|---|---|--------------------|---|------|----|------|---|-------------------|---|------|----|------|---|-------------------|---|------|----|------|---|-------------------|---|----|------|------|---|-----------------------|---|---|---|---|---|--------------------------|---|---|---|---|---|-----------|---|---|---|---|---|------------------|---|---|---|---|---|------------------------|---|---|---|---|---|------------|--|--|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|---|---|---|---|---|----------------------|---|---|---|---|---|------|---|---|---|---|---|----------------|---|---|---|---|---|-------------------|--|--|--|--|--|---------------------|---|---|---|---|---|---|---|---|---|---|---|--------------------|--|--|--|--|--|-----------|---|---|---|---|---|----------|---|---|---|---|---|-----------|---|---|---|---|---|---------|---|---|---|---|---|--|-------------|-------|--------------|---------------------------|--------------|------------|----------------|----|---------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|----|--------------|---|---|---|---|---|---|----|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|-----------------------|
| <p>携行型通話装置等の使用方法及び使用場所について（2/4）<br/>                 ○各重要事故シナジェスで使用する携行型通話装置の台数</p> <table border="1"> <thead> <tr> <th>事故シナジェスグループ</th> <th>中央制御室</th> <th>安全確認<br/>制御室等</th> <th>空方式<br/>非常用発電装置<br/>設置場所(室)</th> <th>原子炉建屋<br/>出入口</th> <th>主変機<br/>配管室</th> <th>補助給水装置<br/>設置場所</th> <th>合計</th> </tr> </thead> <tbody> <tr><td>① 炉内作業用</td><td>2</td><td>2</td><td>—</td><td>—</td><td>—</td><td>2</td><td>6</td></tr> <tr><td>② 炉内作業用(緊急時)</td><td>2</td><td>2</td><td>2</td><td>6</td><td>2</td><td>2</td><td>16</td></tr> <tr><td>③ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>2</td><td>6</td><td>2</td><td>2</td><td>16</td></tr> <tr><td>④ 炉内作業用(非常時)</td><td>2</td><td>—</td><td>—</td><td>6</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑤ 炉内作業用(非常時)</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>0</td></tr> <tr><td>⑥ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑦ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑧ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑨ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑩ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑪ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑫ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑬ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑭ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑮ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑯ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑰ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑱ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑲ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑳ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉑ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉒ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉓ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉔ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉕ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉖ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉗ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉘ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉙ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉚ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉛ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉜ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉝ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉞ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉟ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊱ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊲ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊳ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊴ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊵ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊶ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊷ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊸ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊹ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊺ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊻ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊼ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊽ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊾ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊿ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> </tbody> </table> <p>※1. 原子炉補助給水等へ現場用(中央制御室必要分含め)として30台保管しており、重大事故時においても、対応できる。</p> | 事故シナジェスグループ | 中央制御室        | 安全確認<br>制御室等              | 空方式<br>非常用発電装置<br>設置場所(室) | 原子炉建屋<br>出入口 | 主変機<br>配管室     | 補助給水装置<br>設置場所 | 合計 | ① 炉内作業用 | 2 | 2 | — | — | — | 2 | 6 | ② 炉内作業用(緊急時) | 2 | 2 | 2 | 6 | 2 | 2 | 16 | ③ 炉内作業用(非常時) | 2 | 2 | 2 | 6 | 2 | 2 | 16 | ④ 炉内作業用(非常時) | 2 | — | — | 6 | — | — | 8 | ⑤ 炉内作業用(非常時) | — | — | — | — | — | — | 0 | ⑥ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑦ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑧ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑨ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑩ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑪ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑫ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑬ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑭ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑮ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑯ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑰ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑱ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑲ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑳ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉑ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉒ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉓ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉔ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉕ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉖ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉗ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉘ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉙ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉚ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉛ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉜ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉝ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉞ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉟ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊱ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊲ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊳ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊴ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊵ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊶ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊷ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊸ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊹ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊺ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊻ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊼ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊽ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊾ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊿ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | <p>第62-6-2表 各事故シナジェスグループ等で使用する携行型通話装置の台数</p> <table border="1"> <thead> <tr> <th>事故シナジェスグループ等</th> <th>中央<br/>制御室</th> <th>原子炉建屋<br/>出入口</th> <th>原子炉建屋<br/>計装室</th> <th>制御室等</th> <th>合計</th> </tr> </thead> <tbody> <tr><td colspan="6">【炉心温度防止】</td></tr> <tr><td>高圧・低圧注水機故障時</td><td>1</td><td>—</td><td>1</td><td>—</td><td>2</td></tr> <tr><td>高圧注水・減圧機故障時</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>交流電動発電機失<br/>(仮停止時)</td><td>1</td><td>(1)*</td><td>1*</td><td>(1)*</td><td>2</td></tr> <tr><td>交流電動発電機失<br/>(T目目)</td><td>1</td><td>(1)*</td><td>1*</td><td>(1)*</td><td>2</td></tr> <tr><td>交流電動発電機失<br/>(T目目)</td><td>1</td><td>(1)*</td><td>1*</td><td>(1)*</td><td>2</td></tr> <tr><td>交流電動発電機失<br/>(T目目)</td><td>1</td><td>1*</td><td>(1)*</td><td>(1)*</td><td>2</td></tr> <tr><td>原燃熱除去機故障時(取水機が停止した場合)</td><td>—</td><td>—</td><td>1</td><td>—</td><td>1</td></tr> <tr><td>原燃熱除去機故障時(冷却熱除去系が故障した場合)</td><td>1</td><td>—</td><td>1</td><td>—</td><td>2</td></tr> <tr><td>原子炉停止機故障時</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>LOCA時注水機故障時(中核断)</td><td>1</td><td>—</td><td>1</td><td>—</td><td>2</td></tr> <tr><td>格納容器バypass (オフラインLOCA)</td><td>1</td><td>1</td><td>—</td><td>—</td><td>2</td></tr> <tr><td colspan="6">【格納容器温度防止】</td></tr> <tr><td>蒸気圧力・温度による静的負荷<br/>(格納容器過圧・過熱破損)<br/>(代替減圧弁を使用する場合)</td><td>1</td><td>—</td><td>1</td><td>—</td><td>2</td></tr> <tr><td>蒸気圧力・温度による静的負荷<br/>(格納容器過圧・過熱破損)<br/>(代替減圧弁を使用できない場合)</td><td>1</td><td>—</td><td>1</td><td>—</td><td>2</td></tr> <tr><td>高圧原燃熱取出し/格納容器冷却系追加加熱</td><td>1</td><td>—</td><td>1</td><td>—</td><td>2</td></tr> <tr><td>原子炉圧力容器外の冷却材-冷却材相互作用</td><td>1</td><td>—</td><td>1</td><td>—</td><td>2</td></tr> <tr><td>水素燃焼</td><td>1</td><td>—</td><td>1</td><td>—</td><td>2</td></tr> <tr><td>原燃熱心・コンタクト相互作用</td><td>1</td><td>—</td><td>1</td><td>—</td><td>2</td></tr> <tr><td colspan="6">【使用済燃料プールの燃料温度防止】</td></tr> <tr><td>想定事故1<br/>(炉心暴走機故障時)</td><td>1</td><td>1</td><td>—</td><td>—</td><td>2</td></tr> <tr><td>想定事故2<br/>(炉心暴走機故障時+サイフォン現象による<br/>小規模漏れ)</td><td>1</td><td>1</td><td>—</td><td>—</td><td>2</td></tr> <tr><td colspan="6">【運転停止中原子炉内の燃料温度防止】</td></tr> <tr><td>原燃熱除去機故障時</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>交流電動発電機失</td><td>1</td><td>—</td><td>1</td><td>—</td><td>2</td></tr> <tr><td>原子炉冷却材の流出</td><td>1</td><td>1</td><td>—</td><td>—</td><td>2</td></tr> <tr><td>反応度の誤投入</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td></tr> </tbody> </table> <p>※( )は両機、移動して使用する台数を示す。<br/>     ・台数については、今後、訓練等を通じて見直しを行う。<br/>     ・携行型通話装置は、中央制御室に計10台を保管している。</p> | 事故シナジェスグループ等 | 中央<br>制御室 | 原子炉建屋<br>出入口 | 原子炉建屋<br>計装室 | 制御室等 | 合計 | 【炉心温度防止】 |  |  |  |  |  | 高圧・低圧注水機故障時 | 1 | — | 1 | — | 2 | 高圧注水・減圧機故障時 | — | — | — | — | — | 交流電動発電機失<br>(仮停止時) | 1 | (1)* | 1* | (1)* | 2 | 交流電動発電機失<br>(T目目) | 1 | (1)* | 1* | (1)* | 2 | 交流電動発電機失<br>(T目目) | 1 | (1)* | 1* | (1)* | 2 | 交流電動発電機失<br>(T目目) | 1 | 1* | (1)* | (1)* | 2 | 原燃熱除去機故障時(取水機が停止した場合) | — | — | 1 | — | 1 | 原燃熱除去機故障時(冷却熱除去系が故障した場合) | 1 | — | 1 | — | 2 | 原子炉停止機故障時 | — | — | — | — | — | LOCA時注水機故障時(中核断) | 1 | — | 1 | — | 2 | 格納容器バypass (オフラインLOCA) | 1 | 1 | — | — | 2 | 【格納容器温度防止】 |  |  |  |  |  | 蒸気圧力・温度による静的負荷<br>(格納容器過圧・過熱破損)<br>(代替減圧弁を使用する場合) | 1 | — | 1 | — | 2 | 蒸気圧力・温度による静的負荷<br>(格納容器過圧・過熱破損)<br>(代替減圧弁を使用できない場合) | 1 | — | 1 | — | 2 | 高圧原燃熱取出し/格納容器冷却系追加加熱 | 1 | — | 1 | — | 2 | 原子炉圧力容器外の冷却材-冷却材相互作用 | 1 | — | 1 | — | 2 | 水素燃焼 | 1 | — | 1 | — | 2 | 原燃熱心・コンタクト相互作用 | 1 | — | 1 | — | 2 | 【使用済燃料プールの燃料温度防止】 |  |  |  |  |  | 想定事故1<br>(炉心暴走機故障時) | 1 | 1 | — | — | 2 | 想定事故2<br>(炉心暴走機故障時+サイフォン現象による<br>小規模漏れ) | 1 | 1 | — | — | 2 | 【運転停止中原子炉内の燃料温度防止】 |  |  |  |  |  | 原燃熱除去機故障時 | — | — | — | — | — | 交流電動発電機失 | 1 | — | 1 | — | 2 | 原子炉冷却材の流出 | 1 | 1 | — | — | 2 | 反応度の誤投入 | — | — | — | — | — | <p>第62-5-2表 各事故シナジェスグループ等で使用する携行型通話装置の台数</p> <table border="1"> <thead> <tr> <th>事故シナジェスグループ</th> <th>中央制御室</th> <th>安全確認<br/>制御室等</th> <th>空方式<br/>非常用発電装置<br/>設置場所(室)</th> <th>原子炉建屋<br/>出入口</th> <th>主変機<br/>配管室</th> <th>補助給水装置<br/>設置場所</th> <th>合計</th> </tr> </thead> <tbody> <tr><td>① 炉内作業用</td><td>2</td><td>2</td><td>—</td><td>—</td><td>—</td><td>2</td><td>6</td></tr> <tr><td>② 炉内作業用(緊急時)</td><td>2</td><td>2</td><td>2</td><td>6</td><td>2</td><td>2</td><td>16</td></tr> <tr><td>③ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>2</td><td>6</td><td>2</td><td>2</td><td>16</td></tr> <tr><td>④ 炉内作業用(非常時)</td><td>2</td><td>—</td><td>—</td><td>6</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑤ 炉内作業用(非常時)</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>0</td></tr> <tr><td>⑥ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑦ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑧ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑨ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑩ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑪ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑫ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑬ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑭ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑮ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑯ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑰ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑱ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑲ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>⑳ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉑ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉒ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉓ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉔ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉕ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉖ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉗ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉘ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉙ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉚ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉛ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉜ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉝ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉞ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㉟ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊱ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊲ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊳ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊴ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊵ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊶ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊷ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊸ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊹ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊺ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊻ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊼ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊽ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊾ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> <tr><td>㊿ 炉内作業用(非常時)</td><td>2</td><td>2</td><td>—</td><td>4</td><td>—</td><td>—</td><td>8</td></tr> </tbody> </table> <p>※ 中央制御室等へ現場用(中央制御室必要分含め)として24台保管しており、重大事故時においても対応できる。</p> | 事故シナジェスグループ | 中央制御室 | 安全確認<br>制御室等 | 空方式<br>非常用発電装置<br>設置場所(室) | 原子炉建屋<br>出入口 | 主変機<br>配管室 | 補助給水装置<br>設置場所 | 合計 | ① 炉内作業用 | 2 | 2 | — | — | — | 2 | 6 | ② 炉内作業用(緊急時) | 2 | 2 | 2 | 6 | 2 | 2 | 16 | ③ 炉内作業用(非常時) | 2 | 2 | 2 | 6 | 2 | 2 | 16 | ④ 炉内作業用(非常時) | 2 | — | — | 6 | — | — | 8 | ⑤ 炉内作業用(非常時) | — | — | — | — | — | — | 0 | ⑥ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑦ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑧ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑨ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑩ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑪ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑫ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑬ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑭ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑮ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑯ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑰ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑱ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑲ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ⑳ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉑ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉒ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉓ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉔ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉕ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉖ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉗ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉘ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉙ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉚ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉛ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉜ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉝ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉞ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㉟ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊱ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊲ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊳ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊴ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊵ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊶ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊷ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊸ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊹ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊺ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊻ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊼ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊽ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊾ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | ㊿ 炉内作業用(非常時) | 2 | 2 | — | 4 | — | — | 8 | <p>【女川・大飯】記載表現の相違</p> |
| 事故シナジェスグループ  | 中央制御室       | 安全確認<br>制御室等 | 空方式<br>非常用発電装置<br>設置場所(室) | 原子炉建屋<br>出入口              | 主変機<br>配管室   | 補助給水装置<br>設置場所 | 合計             |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ① 炉内作業用  | 2           | 2            | —                         | —                         | —            | 2              | 6              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ② 炉内作業用(緊急時)   | 2           | 2            | 2                         | 6                         | 2            | 2              | 16             |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ③ 炉内作業用(非常時)   | 2           | 2            | 2                         | 6                         | 2            | 2              | 16             |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ④ 炉内作業用(非常時)   | 2           | —            | —                         | 6                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑤ 炉内作業用(非常時)   | —           | —            | —                         | —                         | —            | —              | 0              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑥ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑦ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑧ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑨ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑩ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑪ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑫ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑬ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑭ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑮ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑯ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑰ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑱ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑲ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑳ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉑ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉒ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉓ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉔ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉕ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉖ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉗ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉘ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉙ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉚ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉛ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉜ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉝ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉞ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉟ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊱ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊲ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊳ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊴ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊵ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊶ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊷ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊸ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊹ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊺ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊻ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊼ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊽ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊾ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊿ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 事故シナジェスグループ等   | 中央<br>制御室   | 原子炉建屋<br>出入口 | 原子炉建屋<br>計装室              | 制御室等                      | 合計           |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 【炉心温度防止】   |             |              |                           |                           |              |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 高圧・低圧注水機故障時  | 1           | —            | 1                         | —                         | 2            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 高圧注水・減圧機故障時  | —           | —            | —                         | —                         | —            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 交流電動発電機失<br>(仮停止時)   | 1           | (1)*         | 1*                        | (1)*                      | 2            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 交流電動発電機失<br>(T目目)  | 1           | (1)*         | 1*                        | (1)*                      | 2            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 交流電動発電機失<br>(T目目)  | 1           | (1)*         | 1*                        | (1)*                      | 2            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 交流電動発電機失<br>(T目目)  | 1           | 1*           | (1)*                      | (1)*                      | 2            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 原燃熱除去機故障時(取水機が停止した場合)  | —           | —            | 1                         | —                         | 1            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 原燃熱除去機故障時(冷却熱除去系が故障した場合)   | 1           | —            | 1                         | —                         | 2            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 原子炉停止機故障時  | —           | —            | —                         | —                         | —            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| LOCA時注水機故障時(中核断)   | 1           | —            | 1                         | —                         | 2            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 格納容器バypass (オフラインLOCA)   | 1           | 1            | —                         | —                         | 2            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 【格納容器温度防止】   |             |              |                           |                           |              |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 蒸気圧力・温度による静的負荷<br>(格納容器過圧・過熱破損)<br>(代替減圧弁を使用する場合)  | 1           | —            | 1                         | —                         | 2            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 蒸気圧力・温度による静的負荷<br>(格納容器過圧・過熱破損)<br>(代替減圧弁を使用できない場合)  | 1           | —            | 1                         | —                         | 2            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 高圧原燃熱取出し/格納容器冷却系追加加熱   | 1           | —            | 1                         | —                         | 2            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 原子炉圧力容器外の冷却材-冷却材相互作用   | 1           | —            | 1                         | —                         | 2            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 水素燃焼   | 1           | —            | 1                         | —                         | 2            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 原燃熱心・コンタクト相互作用   | 1           | —            | 1                         | —                         | 2            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 【使用済燃料プールの燃料温度防止】  |             |              |                           |                           |              |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 想定事故1<br>(炉心暴走機故障時)  | 1           | 1            | —                         | —                         | 2            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 想定事故2<br>(炉心暴走機故障時+サイフォン現象による<br>小規模漏れ)  | 1           | 1            | —                         | —                         | 2            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 【運転停止中原子炉内の燃料温度防止】   |             |              |                           |                           |              |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 原燃熱除去機故障時  | —           | —            | —                         | —                         | —            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 交流電動発電機失   | 1           | —            | 1                         | —                         | 2            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 原子炉冷却材の流出  | 1           | 1            | —                         | —                         | 2            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 反応度の誤投入  | —           | —            | —                         | —                         | —            |                |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| 事故シナジェスグループ  | 中央制御室       | 安全確認<br>制御室等 | 空方式<br>非常用発電装置<br>設置場所(室) | 原子炉建屋<br>出入口              | 主変機<br>配管室   | 補助給水装置<br>設置場所 | 合計             |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ① 炉内作業用  | 2           | 2            | —                         | —                         | —            | 2              | 6              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ② 炉内作業用(緊急時)   | 2           | 2            | 2                         | 6                         | 2            | 2              | 16             |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ③ 炉内作業用(非常時)   | 2           | 2            | 2                         | 6                         | 2            | 2              | 16             |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ④ 炉内作業用(非常時)   | 2           | —            | —                         | 6                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑤ 炉内作業用(非常時)   | —           | —            | —                         | —                         | —            | —              | 0              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑥ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑦ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑧ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑨ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑩ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑪ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑫ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑬ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑭ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑮ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑯ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑰ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑱ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑲ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ⑳ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉑ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉒ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉓ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉔ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉕ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉖ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉗ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉘ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉙ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉚ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉛ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉜ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉝ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉞ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㉟ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊱ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊲ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊳ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊴ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊵ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊶ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊷ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊸ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊹ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊺ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊻ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊼ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊽ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊾ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |
| ㊿ 炉内作業用(非常時)   | 2           | 2            | —                         | 4                         | —            | —              | 8              |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |  |              |           |              |              |      |    |          |  |  |  |  |  |             |   |   |   |   |   |             |   |   |   |   |   |                    |   |      |    |      |   |                   |   |      |    |      |   |                   |   |      |    |      |   |                   |   |    |      |      |   |                       |   |   |   |   |   |                          |   |   |   |   |   |           |   |   |   |   |   |                  |   |   |   |   |   |                        |   |   |   |   |   |            |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |                      |   |   |   |   |   |      |   |   |   |   |   |                |   |   |   |   |   |                   |  |  |  |  |  |                     |   |   |   |   |   |   |   |   |   |   |   |                    |  |  |  |  |  |           |   |   |   |   |   |          |   |   |   |   |   |           |   |   |   |   |   |         |   |   |   |   |   |  |             |       |              |                           |              |            |                |    |         |   |   |   |   |   |   |   |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |    |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |                       |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

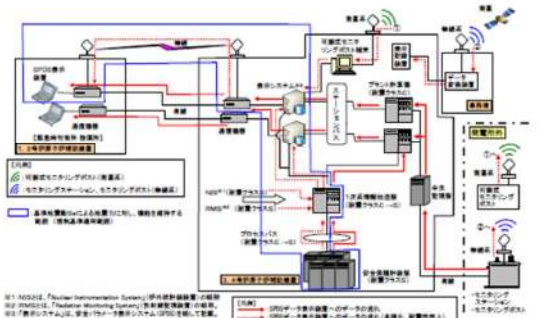
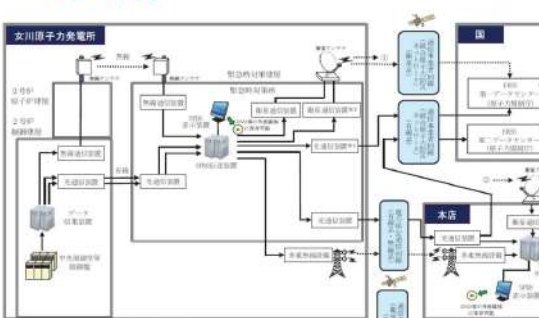
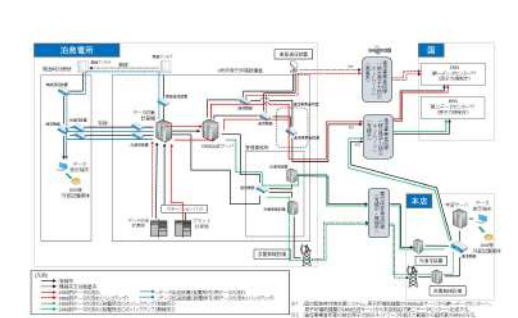
| 大飯発電所3/4号炉  | 女川原子力発電所2号炉         | 泊発電所3号炉  | 相違理由                        |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
|---|---------------------|--|-----------------------------|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|---|---|-----------------|------|---|---|-----------------|---|---|---|-----------------|------|---|---|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|------|----------------|----------------|-----------------|--|--|--------------|----------|----------|----|-----------|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------|---|---|---|---|---|---|---|------|---|---|---|---|---|---|---|------|---|---|---|---|---|---|---|---|---|---|---|-------------|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------|---|---|---|---|---|---|---|------|---|---|---|---|---|---|---|------|---|---|---|---|---|---|---|---|---|---|---|-----------------------|
| <p>大飯発電所3/4号炉</p>   |                     | <p>第6-2-5-3表 各事故シークエンスグループ等で使用する衛星電話設備（携帯型）の台数</p>             |                             |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| <p>携帯型通話装置等の使用方法及び使用場所について（3/4）<br/>                 ○各重要事故シークエンスで使用する衛星電話（固定）及び衛星電話（携帯）の台数</p>   |                     | <p>衛星シークエンスグループ</p>  |                             |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| <table border="1"> <thead> <tr> <th>事故シークエンスグループ</th> <th>中央制御室<br/>(衛星電話(固定))</th> <th>緊急時対策所<br/>指揮所<br/>(衛星電話(固定))</th> <th>屋外<br/>(衛星電話(携帯))</th> </tr> </thead> <tbody> <tr><td>①</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>②</td><td>1</td><td>5</td><td>7</td></tr> <tr><td>③</td><td>1</td><td>5</td><td>7</td></tr> <tr><td>④</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑤</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑥</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑦</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑧</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑨</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑩</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑪</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑫</td><td>1</td><td>5</td><td>9<sup>※1</sup></td></tr> <tr><td>⑬</td><td>1</td><td>5</td><td>9<sup>※1</sup></td></tr> <tr><td>⑭と同様</td><td>1</td><td>5</td><td>9<sup>※1</sup></td></tr> <tr><td>⑮</td><td>1</td><td>5</td><td>9<sup>※1</sup></td></tr> <tr><td>⑯と同様</td><td>1</td><td>5</td><td>9<sup>※1</sup></td></tr> <tr><td>⑰</td><td>1</td><td>5</td><td>5</td></tr> <tr><td>⑱</td><td>1</td><td>5</td><td>5</td></tr> <tr><td>⑲</td><td>1</td><td>5</td><td>7</td></tr> <tr><td>保有台数</td><td>10<br/>(予備5台含む)</td><td>10<br/>(予備5台含む)</td><td>38<br/>(予備10台含む)</td></tr> </tbody> </table> | 事故シークエンスグループ        | 中央制御室<br>(衛星電話(固定))  | 緊急時対策所<br>指揮所<br>(衛星電話(固定)) | 屋外<br>(衛星電話(携帯)) | ① | - | - | - | ② | 1 | 5 | 7 | ③ | 1 | 5 | 7 | ④ | - | - | - | ⑤ | - | - | - | ⑥ | - | - | - | ⑦ | - | - | - | ⑧ | - | - | - | ⑨ | - | - | - | ⑩ | - | - | - | ⑪ | - | - | - | ⑫ | 1 | 5 | 9 <sup>※1</sup> | ⑬ | 1 | 5 | 9 <sup>※1</sup> | ⑭と同様 | 1 | 5 | 9 <sup>※1</sup> | ⑮ | 1 | 5 | 9 <sup>※1</sup> | ⑯と同様 | 1 | 5 | 9 <sup>※1</sup> | ⑰ | 1 | 5 | 5 | ⑱ | 1 | 5 | 5 | ⑲ | 1 | 5 | 7 | 保有台数 | 10<br>(予備5台含む) | 10<br>(予備5台含む) | 38<br>(予備10台含む) |  | <table border="1"> <thead> <tr> <th>衛星シークエンスグループ</th> <th>運用<br/>確保</th> <th>運用<br/>確保</th> <th>合計</th> </tr> </thead> <tbody> <tr><td>【BPMの緊急時】</td><td></td><td></td><td></td></tr> <tr><td>①</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>②</td><td>1</td><td>1</td><td>2</td></tr> <tr><td>③</td><td>1</td><td>1</td><td>2</td></tr> <tr><td>④</td><td>1</td><td>1</td><td>2</td></tr> <tr><td>⑤</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑥</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑦</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑧</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑨</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑩</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑪</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑫</td><td>1</td><td>1</td><td>2</td></tr> <tr><td>⑬</td><td>1</td><td>1</td><td>2</td></tr> <tr><td>⑭と同様</td><td>1</td><td>1</td><td>2</td></tr> <tr><td>⑮</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑯と同様</td><td>1</td><td>1</td><td>2</td></tr> <tr><td>⑰</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑱と同様</td><td>1</td><td>1</td><td>2</td></tr> <tr><td>⑲</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑳</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>【BPMの燃料確保時】</td><td></td><td></td><td></td></tr> <tr><td>①</td><td>1</td><td>1</td><td>2</td></tr> <tr><td>②</td><td>1</td><td>1</td><td>2</td></tr> <tr><td>③</td><td>1</td><td>1</td><td>2</td></tr> <tr><td>④</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑤</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑥</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑦</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑧</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑨</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑩</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑪</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑫</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑬</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑭と同様</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑮</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑯と同様</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑰</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑱と同様</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑲</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>⑳</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> | 衛星シークエンスグループ | 運用<br>確保 | 運用<br>確保 | 合計 | 【BPMの緊急時】 |  |  |  | ① | - | - | - | ② | 1 | 1 | 2 | ③ | 1 | 1 | 2 | ④ | 1 | 1 | 2 | ⑤ | - | - | - | ⑥ | - | - | - | ⑦ | - | - | - | ⑧ | - | - | - | ⑨ | - | - | - | ⑩ | - | - | - | ⑪ | - | - | - | ⑫ | 1 | 1 | 2 | ⑬ | 1 | 1 | 2 | ⑭と同様 | 1 | 1 | 2 | ⑮ | - | - | - | ⑯と同様 | 1 | 1 | 2 | ⑰ | - | - | - | ⑱と同様 | 1 | 1 | 2 | ⑲ | - | - | - | ⑳ | - | - | - | 【BPMの燃料確保時】 |  |  |  | ① | 1 | 1 | 2 | ② | 1 | 1 | 2 | ③ | 1 | 1 | 2 | ④ | - | - | - | ⑤ | - | - | - | ⑥ | - | - | - | ⑦ | - | - | - | ⑧ | - | - | - | ⑨ | - | - | - | ⑩ | - | - | - | ⑪ | - | - | - | ⑫ | - | - | - | ⑬ | - | - | - | ⑭と同様 | - | - | - | ⑮ | - | - | - | ⑯と同様 | - | - | - | ⑰ | - | - | - | ⑱と同様 | - | - | - | ⑲ | - | - | - | ⑳ | - | - | - | <p>【女川・大飯】記載表現の相違</p> |
| 事故シークエンスグループ  | 中央制御室<br>(衛星電話(固定)) | 緊急時対策所<br>指揮所<br>(衛星電話(固定))                                    | 屋外<br>(衛星電話(携帯))            |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ①   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ②   | 1                   | 5  | 7                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ③   | 1                   | 5  | 7                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ④   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑤   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑥   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑦   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑧   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑨   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑩   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑪   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑫   | 1                   | 5  | 9 <sup>※1</sup>             |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑬   | 1                   | 5  | 9 <sup>※1</sup>             |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑭と同様  | 1                   | 5  | 9 <sup>※1</sup>             |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑮   | 1                   | 5  | 9 <sup>※1</sup>             |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑯と同様  | 1                   | 5  | 9 <sup>※1</sup>             |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑰   | 1                   | 5  | 5                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑱   | 1                   | 5  | 5                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑲   | 1                   | 5  | 7                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| 保有台数  | 10<br>(予備5台含む)      | 10<br>(予備5台含む)   | 38<br>(予備10台含む)             |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| 衛星シークエンスグループ  | 運用<br>確保            | 運用<br>確保   | 合計                          |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| 【BPMの緊急時】   |                     |  |                             |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ①   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ②   | 1                   | 1  | 2                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ③   | 1                   | 1  | 2                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ④   | 1                   | 1  | 2                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑤   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑥   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑦   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑧   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑨   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑩   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑪   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑫   | 1                   | 1  | 2                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑬   | 1                   | 1  | 2                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑭と同様  | 1                   | 1  | 2                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑮   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑯と同様  | 1                   | 1  | 2                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑰   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑱と同様  | 1                   | 1  | 2                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑲   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑳   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| 【BPMの燃料確保時】   |                     |  |                             |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ①   | 1                   | 1  | 2                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ②   | 1                   | 1  | 2                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ③   | 1                   | 1  | 2                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ④   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑤   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑥   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑦   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑧   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑨   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑩   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑪   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑫   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑬   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑭と同様  | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑮   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑯と同様  | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑰   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑱と同様  | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑲   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| ⑳   | -                   | -  | -                           |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |
| <p>※1:緊急時対策所 指揮所等へ現場用として、38台保管しており、重大事故時においても対応できる。</p>   |                     | <p>※ 緊急時対策所に現場用として10台、中央制御室に現場用として2台保管しており、重大事故においても対応できる。</p> |                             |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |                 |      |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |      |                |                |                 |  |  |              |          |          |    |           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |      |   |   |   |   |   |   |   |   |   |   |   |                       |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3/4号炉  | 女川原子力発電所2号炉   | 泊発電所3号炉                               | 相違理由            |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
|---|---|---------------------------------------|-----------------|--|------------------------------------|---|--|----|-------------------------------|----|---|---|------------------------------------|---|--|---|--|---|--|---|--|---|---|---|----------------------------------|---|-----------------------------|---|-------------------|--|---|------------------|--------------------------------|------------------|-----------------------------------|------------------|--------------------------|------------------|----------------------------|------------------|---|------------------|---------------------|--|------------------------------------|----|-------------------------------|----|------------------------|--|---|----|-------------------------------------|---|-----------|---|------|----------------|---|-------------|-----------------------|----|-----------------|--|--|-------------|---|----|-------------|---|---|----------------------|---|----|----------------------|---|----|----------------------|---|----|----------------------|---|----|------------------------|---|----|--------------------------|---|----|-----------|---|----|--------------------|---|----|-------------------------|---|----|-------------------|--|--|---|---|----|---|---|----|---------------------|---|----|------------------------|---|----|------|---|----|---------------|---|----|--------------------------|--|--|------------------------|---|----|---|---|----|-----------------|--|--|---------------|---|---|-----------|---|----|-----------|---|---|---------|---|---|---|------------|---------------|----------------|----|-----------------|--|--|--|------------------------------------|---|---|---|--|---|----|----|-------------------------------|---|----|----|---|---|---|---|------------------------------------|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|---|---|---|---|----------------------------------|---|---|---|-----------------------------|---|---|---|-------------------|--|--|--|---|---|----|----|--------------------------------|---|----|----|-----------------------------------|---|----|----|--------------------------|---|----|----|----------------------------|---|----|----|---|---|----|----|---------------------|--|--|--|------------------------------------|---|---|----|-------------------------------|---|---|----|------------------------|--|--|--|---|---|----|----|-------------------------------------|---|---|---|-----------|---|---|---|--|
| 携帯型通話装置等の使用方法及び使用場所について（4/4）<br>○各重要事故シナリオ等で使用するトランシーバーの台数  | 第62-6-3表 各事故シナリオグループ等で使用する無線連絡設備等の台数  | 第6-2-5-4表 各事故シナリオ等で使用する無線連絡設備（携帯型）の台数 | 相違理由            |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| <table border="1"> <thead> <tr> <th>事故シナリオグループ</th> <th>屋外</th> </tr> </thead> <tbody> <tr> <td colspan="2"><b>【炉心保護防止】</b></td> </tr> <tr> <td>① 2次冷却系からの除熱機能喪失<br/>（主給水喪失+補助給水失敗）</td> <td>-</td> </tr> <tr> <td>② 全交流動力電源喪失+RCPシールLOCA<br/>+原子炉補給冷却機能喪失</td> <td>19</td> </tr> <tr> <td>③ 全交流動力電源喪失<br/>（RCPシールLOCA無し）</td> <td>19</td> </tr> <tr> <td>④ 格納容器の除熱機能喪失<br/>（大LOCA+低圧再循環喪失+格納容器スプレイ失敗）</td> <td>-</td> </tr> <tr> <td>⑤ 原子炉停止機能喪失<br/>（主給水流量喪失+原子炉自動停止失敗）</td> <td>-</td> </tr> <tr> <td>⑥ ECCS注水機能喪失（中小LOCA+高圧注入失敗）<br/>（低圧注水系を閉じる場合（6インチ遮断））</td> <td>-</td> </tr> <tr> <td>⑦ ECCS注水機能喪失（中小LOCA+高圧注入失敗）<br/>（低圧注水系を閉じる場合（4インチ遮断））</td> <td>-</td> </tr> <tr> <td>⑧ ECCS注水機能喪失（中小LOCA+高圧注入失敗）<br/>（低圧注水系を閉じる場合（2インチ遮断））</td> <td>-</td> </tr> <tr> <td>⑨ ECCS再循環機能喪失<br/>（大LOCA+高圧再循環喪失+低圧再循環喪失）</td> <td>-</td> </tr> <tr> <td>⑩ ECCS再循環機能喪失<br/>（中小LOCA+高圧再循環喪失+低圧再循環喪失）</td> <td>-</td> </tr> <tr> <td>⑩ 格納容器バイパス<br/>（インターフェイスシステムLOCA）</td> <td>-</td> </tr> <tr> <td>⑪ 格納容器バイパス<br/>（高気圧生蒸気伝熱管破断）</td> <td>-</td> </tr> <tr> <td colspan="2"><b>【格納容器過圧防止】</b></td> </tr> <tr> <td>⑫ 格納容器過圧破断<br/>（大LOCA+ECCS注入失敗+格納容器スプレイ失敗）</td> <td>29<sup>※1</sup></td> </tr> <tr> <td>⑬ 格納容器過温破断<br/>（全交流電源喪失+補助給水失敗）</td> <td>29<sup>※1</sup></td> </tr> <tr> <td>⑬ 格納容器過熱気直接加熱<br/>（全交流電源喪失+補助給水失敗）</td> <td>29<sup>※1</sup></td> </tr> <tr> <td>⑬と同様<br/>（大LOCA+ECCS注入失敗）</td> <td>29<sup>※1</sup></td> </tr> <tr> <td>⑭ 水素燃焼<br/>（大LOCA+ECCS注入失敗）</td> <td>29<sup>※1</sup></td> </tr> <tr> <td>⑬と同様<br/>（溶融炉心・コンクリート相互作用<br/>+大LOCA+ECCS注入失敗+格納容器スプレイ失敗）</td> <td>29<sup>※1</sup></td> </tr> <tr> <td colspan="2"><b>【SFPの燃料損傷防止】</b></td> </tr> <tr> <td>⑮ 想定事故1<br/>（使用済燃料ピット冷却系及び補助給水系の故障）</td> <td>11</td> </tr> <tr> <td>⑮ 想定事故2<br/>（使用済燃料ピット冷却系配管の破断）</td> <td>11</td> </tr> <tr> <td colspan="2"><b>【停止中原子炉の燃料損傷防止】</b></td> </tr> <tr> <td>⑰ 炉心冷却系中の燃料損傷防止<br/>（ミッドループ運転中の余熱除去系統の機能喪失<br/>及び全交流電源喪失）</td> <td>19</td> </tr> <tr> <td>⑱ 原子炉冷却材の流出<br/>（ミッドループ運転中の原子炉冷却材流出）</td> <td>-</td> </tr> <tr> <td>⑲ 反応度の誤投入</td> <td>-</td> </tr> <tr> <td>保有台数</td> <td>33<br/>（予備3台含む）</td> </tr> </tbody> </table> | 事故シナリオグループ  | 屋外                                    | <b>【炉心保護防止】</b> |  | ① 2次冷却系からの除熱機能喪失<br>（主給水喪失+補助給水失敗） | - | ② 全交流動力電源喪失+RCPシールLOCA<br>+原子炉補給冷却機能喪失 | 19 | ③ 全交流動力電源喪失<br>（RCPシールLOCA無し） | 19 | ④ 格納容器の除熱機能喪失<br>（大LOCA+低圧再循環喪失+格納容器スプレイ失敗） | - | ⑤ 原子炉停止機能喪失<br>（主給水流量喪失+原子炉自動停止失敗） | - | ⑥ ECCS注水機能喪失（中小LOCA+高圧注入失敗）<br>（低圧注水系を閉じる場合（6インチ遮断）） | - | ⑦ ECCS注水機能喪失（中小LOCA+高圧注入失敗）<br>（低圧注水系を閉じる場合（4インチ遮断）） | - | ⑧ ECCS注水機能喪失（中小LOCA+高圧注入失敗）<br>（低圧注水系を閉じる場合（2インチ遮断）） | - | ⑨ ECCS再循環機能喪失<br>（大LOCA+高圧再循環喪失+低圧再循環喪失） | - | ⑩ ECCS再循環機能喪失<br>（中小LOCA+高圧再循環喪失+低圧再循環喪失） | - | ⑩ 格納容器バイパス<br>（インターフェイスシステムLOCA） | - | ⑪ 格納容器バイパス<br>（高気圧生蒸気伝熱管破断） | - | <b>【格納容器過圧防止】</b> |  | ⑫ 格納容器過圧破断<br>（大LOCA+ECCS注入失敗+格納容器スプレイ失敗） | 29 <sup>※1</sup> | ⑬ 格納容器過温破断<br>（全交流電源喪失+補助給水失敗） | 29 <sup>※1</sup> | ⑬ 格納容器過熱気直接加熱<br>（全交流電源喪失+補助給水失敗） | 29 <sup>※1</sup> | ⑬と同様<br>（大LOCA+ECCS注入失敗） | 29 <sup>※1</sup> | ⑭ 水素燃焼<br>（大LOCA+ECCS注入失敗） | 29 <sup>※1</sup> | ⑬と同様<br>（溶融炉心・コンクリート相互作用<br>+大LOCA+ECCS注入失敗+格納容器スプレイ失敗） | 29 <sup>※1</sup> | <b>【SFPの燃料損傷防止】</b> |  | ⑮ 想定事故1<br>（使用済燃料ピット冷却系及び補助給水系の故障） | 11 | ⑮ 想定事故2<br>（使用済燃料ピット冷却系配管の破断） | 11 | <b>【停止中原子炉の燃料損傷防止】</b> |  | ⑰ 炉心冷却系中の燃料損傷防止<br>（ミッドループ運転中の余熱除去系統の機能喪失<br>及び全交流電源喪失） | 19 | ⑱ 原子炉冷却材の流出<br>（ミッドループ運転中の原子炉冷却材流出） | - | ⑲ 反応度の誤投入 | - | 保有台数 | 33<br>（予備3台含む） | <table border="1"> <thead> <tr> <th>事故シナリオグループ等</th> <th>屋内（緊急時対策用及び<br/>中央制御室）</th> <th>屋外</th> </tr> </thead> <tbody> <tr> <td colspan="3"><b>【炉心保護防止】</b></td> </tr> <tr> <td>高圧・低圧注水機能喪失</td> <td>4</td> <td>17</td> </tr> <tr> <td>高圧注水・減圧機能喪失</td> <td>4</td> <td>-</td> </tr> <tr> <td>全交流動力電源喪失<br/>（長期T B）</td> <td>4</td> <td>18</td> </tr> <tr> <td>全交流動力電源喪失<br/>（T B U）</td> <td>4</td> <td>18</td> </tr> <tr> <td>全交流動力電源喪失<br/>（T B D）</td> <td>4</td> <td>18</td> </tr> <tr> <td>全交流動力電源喪失<br/>（T B P）</td> <td>4</td> <td>19</td> </tr> <tr> <td>炉心冷却系機能喪失（取水機能が喪失した場合）</td> <td>4</td> <td>18</td> </tr> <tr> <td>格納容器機能喪失（格納容器冷却系が故障した場合）</td> <td>4</td> <td>17</td> </tr> <tr> <td>原子炉停止機能喪失</td> <td>4</td> <td>17</td> </tr> <tr> <td>LOCA時注水機能喪失（中・小破断）</td> <td>4</td> <td>18</td> </tr> <tr> <td>格納容器バイパス（6インチ/4インチLOCA）</td> <td>4</td> <td>17</td> </tr> <tr> <td colspan="3"><b>【格納容器過圧防止】</b></td> </tr> <tr> <td>蒸気圧力・温度による静的負荷<br/>（格納容器過圧・過温破断）（代替減圧冷却系を使用する場合）</td> <td>4</td> <td>18</td> </tr> <tr> <td>蒸気圧力・温度による静的負荷<br/>（格納容器過圧・過温破断）（代替減圧冷却系を使用できない場合）</td> <td>4</td> <td>18</td> </tr> <tr> <td>高圧原燃料放出/格納容器冷却気直接加熱</td> <td>4</td> <td>18</td> </tr> <tr> <td>原子炉圧力容器内の原燃料燃料-冷却材相互作用</td> <td>4</td> <td>18</td> </tr> <tr> <td>水素燃焼</td> <td>4</td> <td>18</td> </tr> <tr> <td>炉心・コンクリート相互作用</td> <td>4</td> <td>18</td> </tr> <tr> <td colspan="3"><b>【使用済燃料プールの燃料損傷防止】</b></td> </tr> <tr> <td>想定事故1<br/>（SFP 補助水機能喪失）</td> <td>4</td> <td>17</td> </tr> <tr> <td>想定事故2<br/>（SFP 補助水機能喪失+サイフォン現象による小規模漏えい）</td> <td>4</td> <td>17</td> </tr> <tr> <td colspan="3"><b>【燃料損傷防止】</b></td> </tr> <tr> <td>炉心冷却系中の燃料損傷防止</td> <td>4</td> <td>-</td> </tr> <tr> <td>全交流動力電源喪失</td> <td>4</td> <td>18</td> </tr> <tr> <td>原子炉冷却材の流出</td> <td>4</td> <td>-</td> </tr> <tr> <td>反応度の誤投入</td> <td>4</td> <td>-</td> </tr> </tbody> </table> | 事故シナリオグループ等 | 屋内（緊急時対策用及び<br>中央制御室） | 屋外 | <b>【炉心保護防止】</b> |  |  | 高圧・低圧注水機能喪失 | 4 | 17 | 高圧注水・減圧機能喪失 | 4 | - | 全交流動力電源喪失<br>（長期T B） | 4 | 18 | 全交流動力電源喪失<br>（T B U） | 4 | 18 | 全交流動力電源喪失<br>（T B D） | 4 | 18 | 全交流動力電源喪失<br>（T B P） | 4 | 19 | 炉心冷却系機能喪失（取水機能が喪失した場合） | 4 | 18 | 格納容器機能喪失（格納容器冷却系が故障した場合） | 4 | 17 | 原子炉停止機能喪失 | 4 | 17 | LOCA時注水機能喪失（中・小破断） | 4 | 18 | 格納容器バイパス（6インチ/4インチLOCA） | 4 | 17 | <b>【格納容器過圧防止】</b> |  |  | 蒸気圧力・温度による静的負荷<br>（格納容器過圧・過温破断）（代替減圧冷却系を使用する場合） | 4 | 18 | 蒸気圧力・温度による静的負荷<br>（格納容器過圧・過温破断）（代替減圧冷却系を使用できない場合） | 4 | 18 | 高圧原燃料放出/格納容器冷却気直接加熱 | 4 | 18 | 原子炉圧力容器内の原燃料燃料-冷却材相互作用 | 4 | 18 | 水素燃焼 | 4 | 18 | 炉心・コンクリート相互作用 | 4 | 18 | <b>【使用済燃料プールの燃料損傷防止】</b> |  |  | 想定事故1<br>（SFP 補助水機能喪失） | 4 | 17 | 想定事故2<br>（SFP 補助水機能喪失+サイフォン現象による小規模漏えい） | 4 | 17 | <b>【燃料損傷防止】</b> |  |  | 炉心冷却系中の燃料損傷防止 | 4 | - | 全交流動力電源喪失 | 4 | 18 | 原子炉冷却材の流出 | 4 | - | 反応度の誤投入 | 4 | - | <table border="1"> <thead> <tr> <th>事故シナリオグループ</th> <th>屋内<br/>（中央制御室）</th> <th>屋外<br/>（緊急時対策所）</th> <th>合計</th> </tr> </thead> <tbody> <tr> <td colspan="4"><b>【炉心保護防止】</b></td> </tr> <tr> <td>① 2次冷却系からの除熱機能喪失<br/>（主給水喪失+補助給水失敗）</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>② 全交流動力電源喪失+RCPシールLOCA<br/>+原子炉補給冷却機能喪失</td> <td>4</td> <td>15</td> <td>19</td> </tr> <tr> <td>③ 全交流動力電源喪失<br/>（RCPシールLOCA無し）</td> <td>4</td> <td>15</td> <td>19</td> </tr> <tr> <td>④ 格納容器の除熱機能喪失<br/>（大LOCA+低圧再循環喪失+格納容器スプレイ失敗）</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>⑤ 原子炉停止機能喪失<br/>（主給水流量喪失+原子炉自動停止失敗）</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>⑥ ECCS注水機能喪失（中小LOCA+高圧注入失敗）<br/>（低圧注水系を閉じる場合（6インチ遮断））</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>⑦ ECCS注水機能喪失（中小LOCA+高圧注入失敗）<br/>（低圧注水系を閉じる場合（4インチ遮断））</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>⑧ ECCS注水機能喪失（中小LOCA+高圧注入失敗）<br/>（低圧注水系を閉じる場合（2インチ遮断））</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>⑨ ECCS再循環機能喪失<br/>（大LOCA+高圧再循環喪失+低圧再循環喪失）</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>⑩ ECCS再循環機能喪失<br/>（中小LOCA+高圧再循環喪失+低圧再循環喪失）</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>⑩ 格納容器バイパス<br/>（インターフェイスシステムLOCA）</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>⑪ 格納容器バイパス<br/>（高気圧生蒸気伝熱管破断）</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td colspan="4"><b>【格納容器過圧防止】</b></td> </tr> <tr> <td>⑫ 格納容器過圧破断<br/>（大LOCA+ECCS注入失敗+格納容器スプレイ失敗）</td> <td>4</td> <td>25</td> <td>29</td> </tr> <tr> <td>⑬ 格納容器過温破断<br/>（全交流電源喪失+補助給水失敗）</td> <td>4</td> <td>25</td> <td>29</td> </tr> <tr> <td>⑬ 格納容器過熱気直接加熱<br/>（全交流電源喪失+補助給水失敗）</td> <td>4</td> <td>25</td> <td>29</td> </tr> <tr> <td>⑬と同様<br/>（大LOCA+ECCS注入失敗）</td> <td>4</td> <td>25</td> <td>29</td> </tr> <tr> <td>⑭ 水素燃焼<br/>（大LOCA+ECCS注入失敗）</td> <td>4</td> <td>25</td> <td>29</td> </tr> <tr> <td>⑬と同様<br/>（溶融炉心・コンクリート相互作用<br/>+大LOCA+ECCS注入失敗+格納容器スプレイ失敗）</td> <td>4</td> <td>25</td> <td>29</td> </tr> <tr> <td colspan="4"><b>【SFPの燃料損傷防止】</b></td> </tr> <tr> <td>⑮ 想定事故1<br/>（使用済燃料ピット冷却系及び補助給水系の故障）</td> <td>4</td> <td>7</td> <td>11</td> </tr> <tr> <td>⑮ 想定事故2<br/>（使用済燃料ピット冷却系配管の破断）</td> <td>4</td> <td>7</td> <td>11</td> </tr> <tr> <td colspan="4"><b>【停止中原子炉の燃料損傷防止】</b></td> </tr> <tr> <td>⑰ 炉心冷却系中の燃料損傷防止<br/>（ミッドループ運転中の余熱除去系統の機能喪失<br/>及び全交流電源喪失）</td> <td>4</td> <td>15</td> <td>19</td> </tr> <tr> <td>⑱ 原子炉冷却材の流出<br/>（ミッドループ運転中の原子炉冷却材流出）</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>⑲ 反応度の誤投入</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> | 事故シナリオグループ | 屋内<br>（中央制御室） | 屋外<br>（緊急時対策所） | 合計 | <b>【炉心保護防止】</b> |  |  |  | ① 2次冷却系からの除熱機能喪失<br>（主給水喪失+補助給水失敗） | - | - | - | ② 全交流動力電源喪失+RCPシールLOCA<br>+原子炉補給冷却機能喪失 | 4 | 15 | 19 | ③ 全交流動力電源喪失<br>（RCPシールLOCA無し） | 4 | 15 | 19 | ④ 格納容器の除熱機能喪失<br>（大LOCA+低圧再循環喪失+格納容器スプレイ失敗） | - | - | - | ⑤ 原子炉停止機能喪失<br>（主給水流量喪失+原子炉自動停止失敗） | - | - | - | ⑥ ECCS注水機能喪失（中小LOCA+高圧注入失敗）<br>（低圧注水系を閉じる場合（6インチ遮断）） | - | - | - | ⑦ ECCS注水機能喪失（中小LOCA+高圧注入失敗）<br>（低圧注水系を閉じる場合（4インチ遮断）） | - | - | - | ⑧ ECCS注水機能喪失（中小LOCA+高圧注入失敗）<br>（低圧注水系を閉じる場合（2インチ遮断）） | - | - | - | ⑨ ECCS再循環機能喪失<br>（大LOCA+高圧再循環喪失+低圧再循環喪失） | - | - | - | ⑩ ECCS再循環機能喪失<br>（中小LOCA+高圧再循環喪失+低圧再循環喪失） | - | - | - | ⑩ 格納容器バイパス<br>（インターフェイスシステムLOCA） | - | - | - | ⑪ 格納容器バイパス<br>（高気圧生蒸気伝熱管破断） | - | - | - | <b>【格納容器過圧防止】</b> |  |  |  | ⑫ 格納容器過圧破断<br>（大LOCA+ECCS注入失敗+格納容器スプレイ失敗） | 4 | 25 | 29 | ⑬ 格納容器過温破断<br>（全交流電源喪失+補助給水失敗） | 4 | 25 | 29 | ⑬ 格納容器過熱気直接加熱<br>（全交流電源喪失+補助給水失敗） | 4 | 25 | 29 | ⑬と同様<br>（大LOCA+ECCS注入失敗） | 4 | 25 | 29 | ⑭ 水素燃焼<br>（大LOCA+ECCS注入失敗） | 4 | 25 | 29 | ⑬と同様<br>（溶融炉心・コンクリート相互作用<br>+大LOCA+ECCS注入失敗+格納容器スプレイ失敗） | 4 | 25 | 29 | <b>【SFPの燃料損傷防止】</b> |  |  |  | ⑮ 想定事故1<br>（使用済燃料ピット冷却系及び補助給水系の故障） | 4 | 7 | 11 | ⑮ 想定事故2<br>（使用済燃料ピット冷却系配管の破断） | 4 | 7 | 11 | <b>【停止中原子炉の燃料損傷防止】</b> |  |  |  | ⑰ 炉心冷却系中の燃料損傷防止<br>（ミッドループ運転中の余熱除去系統の機能喪失<br>及び全交流電源喪失） | 4 | 15 | 19 | ⑱ 原子炉冷却材の流出<br>（ミッドループ運転中の原子炉冷却材流出） | - | - | - | ⑲ 反応度の誤投入 | - | - | - | <p>【女川・大飯】記載表現の相違</p> <p>※ 現場に16台、緊急時対策所に4台保管しており、重大事故時においても対応できる。</p> |
| 事故シナリオグループ  | 屋外  |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| <b>【炉心保護防止】</b>   |   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ① 2次冷却系からの除熱機能喪失<br>（主給水喪失+補助給水失敗）  | -   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ② 全交流動力電源喪失+RCPシールLOCA<br>+原子炉補給冷却機能喪失  | 19  |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ③ 全交流動力電源喪失<br>（RCPシールLOCA無し）   | 19  |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ④ 格納容器の除熱機能喪失<br>（大LOCA+低圧再循環喪失+格納容器スプレイ失敗）   | -   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑤ 原子炉停止機能喪失<br>（主給水流量喪失+原子炉自動停止失敗）  | -   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑥ ECCS注水機能喪失（中小LOCA+高圧注入失敗）<br>（低圧注水系を閉じる場合（6インチ遮断））  | -   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑦ ECCS注水機能喪失（中小LOCA+高圧注入失敗）<br>（低圧注水系を閉じる場合（4インチ遮断））  | -   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑧ ECCS注水機能喪失（中小LOCA+高圧注入失敗）<br>（低圧注水系を閉じる場合（2インチ遮断））  | -   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑨ ECCS再循環機能喪失<br>（大LOCA+高圧再循環喪失+低圧再循環喪失）  | -   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑩ ECCS再循環機能喪失<br>（中小LOCA+高圧再循環喪失+低圧再循環喪失）   | -   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑩ 格納容器バイパス<br>（インターフェイスシステムLOCA）  | -   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑪ 格納容器バイパス<br>（高気圧生蒸気伝熱管破断）   | -   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| <b>【格納容器過圧防止】</b>   |   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑫ 格納容器過圧破断<br>（大LOCA+ECCS注入失敗+格納容器スプレイ失敗）   | 29 <sup>※1</sup>  |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑬ 格納容器過温破断<br>（全交流電源喪失+補助給水失敗）  | 29 <sup>※1</sup>  |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑬ 格納容器過熱気直接加熱<br>（全交流電源喪失+補助給水失敗）   | 29 <sup>※1</sup>  |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑬と同様<br>（大LOCA+ECCS注入失敗）  | 29 <sup>※1</sup>  |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑭ 水素燃焼<br>（大LOCA+ECCS注入失敗）  | 29 <sup>※1</sup>  |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑬と同様<br>（溶融炉心・コンクリート相互作用<br>+大LOCA+ECCS注入失敗+格納容器スプレイ失敗）   | 29 <sup>※1</sup>  |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| <b>【SFPの燃料損傷防止】</b>   |   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑮ 想定事故1<br>（使用済燃料ピット冷却系及び補助給水系の故障）  | 11  |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑮ 想定事故2<br>（使用済燃料ピット冷却系配管の破断）   | 11  |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| <b>【停止中原子炉の燃料損傷防止】</b>  |   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑰ 炉心冷却系中の燃料損傷防止<br>（ミッドループ運転中の余熱除去系統の機能喪失<br>及び全交流電源喪失）   | 19  |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑱ 原子炉冷却材の流出<br>（ミッドループ運転中の原子炉冷却材流出）   | -   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑲ 反応度の誤投入   | -   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 保有台数  | 33<br>（予備3台含む）  |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 事故シナリオグループ等   | 屋内（緊急時対策用及び<br>中央制御室）   | 屋外                                    |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| <b>【炉心保護防止】</b>   |   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 高圧・低圧注水機能喪失   | 4   | 17                                    |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 高圧注水・減圧機能喪失   | 4   | -                                     |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 全交流動力電源喪失<br>（長期T B）  | 4   | 18                                    |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 全交流動力電源喪失<br>（T B U）  | 4   | 18                                    |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 全交流動力電源喪失<br>（T B D）  | 4   | 18                                    |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 全交流動力電源喪失<br>（T B P）  | 4   | 19                                    |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 炉心冷却系機能喪失（取水機能が喪失した場合）  | 4   | 18                                    |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 格納容器機能喪失（格納容器冷却系が故障した場合）  | 4   | 17                                    |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 原子炉停止機能喪失   | 4   | 17                                    |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| LOCA時注水機能喪失（中・小破断）  | 4   | 18                                    |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 格納容器バイパス（6インチ/4インチLOCA）   | 4   | 17                                    |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| <b>【格納容器過圧防止】</b>   |   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 蒸気圧力・温度による静的負荷<br>（格納容器過圧・過温破断）（代替減圧冷却系を使用する場合）   | 4   | 18                                    |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 蒸気圧力・温度による静的負荷<br>（格納容器過圧・過温破断）（代替減圧冷却系を使用できない場合）   | 4   | 18                                    |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 高圧原燃料放出/格納容器冷却気直接加熱   | 4   | 18                                    |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 原子炉圧力容器内の原燃料燃料-冷却材相互作用  | 4   | 18                                    |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 水素燃焼  | 4   | 18                                    |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 炉心・コンクリート相互作用   | 4   | 18                                    |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| <b>【使用済燃料プールの燃料損傷防止】</b>  |   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 想定事故1<br>（SFP 補助水機能喪失）  | 4   | 17                                    |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 想定事故2<br>（SFP 補助水機能喪失+サイフォン現象による小規模漏えい）   | 4   | 17                                    |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| <b>【燃料損傷防止】</b>   |   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 炉心冷却系中の燃料損傷防止   | 4   | -                                     |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 全交流動力電源喪失   | 4   | 18                                    |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 原子炉冷却材の流出   | 4   | -                                     |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 反応度の誤投入   | 4   | -                                     |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| 事故シナリオグループ  | 屋内<br>（中央制御室）   | 屋外<br>（緊急時対策所）                        | 合計              |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| <b>【炉心保護防止】</b>   |   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ① 2次冷却系からの除熱機能喪失<br>（主給水喪失+補助給水失敗）  | -   | -                                     | -               |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ② 全交流動力電源喪失+RCPシールLOCA<br>+原子炉補給冷却機能喪失  | 4   | 15                                    | 19              |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ③ 全交流動力電源喪失<br>（RCPシールLOCA無し）   | 4   | 15                                    | 19              |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ④ 格納容器の除熱機能喪失<br>（大LOCA+低圧再循環喪失+格納容器スプレイ失敗）   | -   | -                                     | -               |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑤ 原子炉停止機能喪失<br>（主給水流量喪失+原子炉自動停止失敗）  | -   | -                                     | -               |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑥ ECCS注水機能喪失（中小LOCA+高圧注入失敗）<br>（低圧注水系を閉じる場合（6インチ遮断））  | -   | -                                     | -               |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑦ ECCS注水機能喪失（中小LOCA+高圧注入失敗）<br>（低圧注水系を閉じる場合（4インチ遮断））  | -   | -                                     | -               |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑧ ECCS注水機能喪失（中小LOCA+高圧注入失敗）<br>（低圧注水系を閉じる場合（2インチ遮断））  | -   | -                                     | -               |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑨ ECCS再循環機能喪失<br>（大LOCA+高圧再循環喪失+低圧再循環喪失）  | -   | -                                     | -               |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑩ ECCS再循環機能喪失<br>（中小LOCA+高圧再循環喪失+低圧再循環喪失）   | -   | -                                     | -               |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑩ 格納容器バイパス<br>（インターフェイスシステムLOCA）  | -   | -                                     | -               |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑪ 格納容器バイパス<br>（高気圧生蒸気伝熱管破断）   | -   | -                                     | -               |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| <b>【格納容器過圧防止】</b>   |   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑫ 格納容器過圧破断<br>（大LOCA+ECCS注入失敗+格納容器スプレイ失敗）   | 4   | 25                                    | 29              |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑬ 格納容器過温破断<br>（全交流電源喪失+補助給水失敗）  | 4   | 25                                    | 29              |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑬ 格納容器過熱気直接加熱<br>（全交流電源喪失+補助給水失敗）   | 4   | 25                                    | 29              |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑬と同様<br>（大LOCA+ECCS注入失敗）  | 4   | 25                                    | 29              |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑭ 水素燃焼<br>（大LOCA+ECCS注入失敗）  | 4   | 25                                    | 29              |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑬と同様<br>（溶融炉心・コンクリート相互作用<br>+大LOCA+ECCS注入失敗+格納容器スプレイ失敗）   | 4   | 25                                    | 29              |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| <b>【SFPの燃料損傷防止】</b>   |   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑮ 想定事故1<br>（使用済燃料ピット冷却系及び補助給水系の故障）  | 4   | 7                                     | 11              |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑮ 想定事故2<br>（使用済燃料ピット冷却系配管の破断）   | 4   | 7                                     | 11              |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| <b>【停止中原子炉の燃料損傷防止】</b>  |   |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑰ 炉心冷却系中の燃料損傷防止<br>（ミッドループ運転中の余熱除去系統の機能喪失<br>及び全交流電源喪失）   | 4   | 15                                    | 19              |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑱ 原子炉冷却材の流出<br>（ミッドループ運転中の原子炉冷却材流出）   | -   | -                                     | -               |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| ⑲ 反応度の誤投入   | -   | -                                     | -               |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |
| <p>※1：緊急時対策所 指揮所へ現場用として、33台保管しており、重大事故時においても、対応できる。</p>   | <p>・台数については、今後、訓練等を通じて見直しを行う。<br/>                 ・無線連絡設備のほか、衛星電話設備も使用可能であり、衛星電話設備も使用する。</p> |                                       |                 |  |                                    |   |  |    |                               |    |   |   |                                    |   |  |   |  |   |  |   |  |   |   |   |                                  |   |                             |   |                   |  |   |                  |                                |                  |                                   |                  |                          |                  |                            |                  |   |                  |                     |  |                                    |    |                               |    |                        |  |   |    |                                     |   |           |   |      |                |   |             |                       |    |                 |  |  |             |   |    |             |   |   |                      |   |    |                      |   |    |                      |   |    |                      |   |    |                        |   |    |                          |   |    |           |   |    |                    |   |    |                         |   |    |                   |  |  |   |   |    |   |   |    |                     |   |    |                        |   |    |      |   |    |               |   |    |                          |  |  |                        |   |    |   |   |    |                 |  |  |               |   |   |           |   |    |           |   |   |         |   |   |   |            |               |                |    |                 |  |  |  |                                    |   |   |   |  |   |    |    |                               |   |    |    |   |   |   |   |                                    |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |   |   |   |   |                                  |   |   |   |                             |   |   |   |                   |  |  |  |   |   |    |    |                                |   |    |    |                                   |   |    |    |                          |   |    |    |                            |   |    |    |   |   |    |    |                     |  |  |  |                                    |   |   |    |                               |   |   |    |                        |  |  |  |   |   |    |    |                                     |   |   |   |           |   |   |   |  |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉  | 女川原子力発電所 2 号炉   | 泊発電所 3 号炉   | 相違理由   |
|---|---|---|--|
| <p>プラントパラメータは、SPDS サーバに2週間分（1分周期）のデータを保存できる仕様となっている。サーバ本体に保存可能な容量32Gバイトのうち、データ保存が可能な領域として約6Gバイトを確保している。2週間のデータ容量は約88Mバイトであり、順次、上書き保存される。また、それらのパラメータについては、緊急時対策所 指揮所に設置している SPDS 表示端末から、外部媒体へ保存することが可能である。</p>  | <p>○過去のプラントパラメータ閲覧について</p> <p>SPDS 伝送装置に収集されるプラントパラメータ（SPDS パラメータ）は、SPDS 伝送装置で2週間分（1分周期）のデータを保存（自動収集）できる設計とする。</p> <p>SPDS 伝送装置に保存されたデータについては、緊急時対策所の SPDS 表示装置又は SPDS 伝送装置及び本店に設置している SPDS 表示装置から DVD 等の外部記憶媒体へ保存できる設計とする。</p> <p>重大事故等が発生した場合には、緊急時対策所において、プラントパラメータ（SPDS パラメータ）を DVD 等の外部記憶媒体へ保存し保管する手順を整備する。これにより、SPDS 表示装置にて外部記憶媒体に保存されたプラントパラメータ（SPDS パラメータ）の過去のデータを閲覧することが出来る設計とする。</p> <p>SPDS 表示装置にてプラントパラメータ（SPDS パラメータ）の監視も可能な設計とする。概要を第 62-6-7 図に示す。</p> <p>また、SPDS 表示装置で確認できるパラメータを第 62-6-4 表に示す。</p>  <p>第 62-6-7 図 過去のプラントパラメータ閲覧の概要</p> | <p>【比較のため】<br/>         62-6 設置許可基準規則等への適合状況説明資料より転載】<br/>         参考 7 過去のプラントパラメータ閲覧について</p> <p>データ収集計算機に収集されるプラントパラメータ（SPDS パラメータ）はデータ収集計算機で2週間分（1分周期）のデータを保存（自動収集）できる設計とする。</p> <p>データ収集計算機に保存されたデータについては、緊急時対策所のデータ表示端末及び本店に設置しているデータ表示端末から DVD 等の外部記憶媒体へ保存できる設計とする。</p> <p>重大事故等が発生した場合には、緊急時対策所において、プラントパラメータ（SPDS パラメータ）を DVD 等の外部記憶媒体へ保存し保管する手順を整備する。これにより、データ表示端末にて外部記憶媒体に保存されたプラントパラメータ（SPDS パラメータ）の過去のデータを閲覧することが出来る設計とする。</p> <p>また、データ表示端末にてプラントパラメータ（SPDS パラメータ）の監視も可能な設計とする。概要を参考第 7-1 図に示す。</p>  <p>参考第 7-1 図 過去のプラントパラメータ閲覧の概要</p> | <p>【女川】記載箇所の相違</p> <p>【女川】設備の相違<br/>         2-2) 設備の相違@参照</p> <p>【大飯】記載方針の相違（女川審査実績の反映）<br/>         ・泊と女川は、データ保存期間について参考 7 に記載している。また、泊と女川は、プラントパラメータを2週間分保存できる設計としており、大飯と保存期間に相違はない。</p> <p>【女川】設備の相違<br/>         2-2) 設備の相違@参照</p> <p>【女川】記載方針の相違<br/>         泊は「参考 6 データ伝送設備（発電所内）及びデータ伝送設備（発電所外）のデータ伝送概要と確認できるパラメータ」にて説明</p> |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所3/4号炉

女川原子力発電所2号炉

泊発電所3号炉

相違理由

【比較のため、  
 62-8 設置許可基準規制等への適合状況説明資料より転載】

表11 バックアップできるパラメータリスト (1/5)

| 目的             | 対象パラメータ             | SP96 入力<br>パラメータ | ERSS へ<br>伝送している<br>パラメータ | バックアップ<br>対象パラメータ |
|----------------|---------------------|------------------|---------------------------|-------------------|
| 炉心反応度<br>の状態確認 | 出力側域中性子チャンネル<br>平均値 | ○                | ○                         | —                 |
|                | 中間側域中性子室            | ○                | ○                         | ○                 |
|                | 中性子監視室中性子室          | ○                | ○                         | ○                 |
|                | 出力側域中性子室            | ○                | ○                         | ○                 |
|                | 加圧器水位               | ○                | ○                         | ○                 |
| 1次冷却材圧力        | Bループ1冷却材圧力          | ○                | ○                         | ○                 |
|                | Cループ1冷却材圧力          | ○                | ○                         | ○                 |
| 炉心冷却材<br>の状態確認 | 原子炉水位               | ○                | ○                         | ○                 |
|                | Aループ冷却材最高側温度(広域)    | ○                | ○                         | ○                 |
|                | Bループ冷却材最高側温度(広域)    | ○                | ○                         | ○                 |
|                | Cループ冷却材最高側温度(広域)    | ○                | ○                         | ○                 |
|                | Dループ冷却材最高側温度(広域)    | ○                | ○                         | ○                 |
|                | Aループ冷却材低側温度(広域)     | ○                | —                         | ○                 |
|                | Bループ冷却材低側温度(広域)     | ○                | —                         | ○                 |
|                | Cループ冷却材低側温度(広域)     | ○                | —                         | ○                 |
|                | Dループ冷却材低側温度(広域)     | ○                | —                         | ○                 |
|                |                     |                  |                           |                   |

第62-6-4表 SPDS 表示装置で確認できるパラメータ

(1/10)

| 目的              | 対象パラメータ         | SP96<br>パラメータ | ERSS 伝送<br>パラメータ | バック<br>アップ対象<br>パラメータ |
|-----------------|-----------------|---------------|------------------|-----------------------|
| 炉心反応度<br>の状態確認  | A PRM レベル (平均)  | ○             | ○                | ○                     |
|                 | A PRM (A) レベル   | ○             | —                | ○                     |
|                 | A PRM (B) レベル   | ○             | —                | ○                     |
|                 | A PRM (C) レベル   | ○             | —                | ○                     |
|                 | A PRM (D) レベル   | ○             | —                | ○                     |
|                 | A PRM (E) レベル   | ○             | —                | ○                     |
|                 | A PRM (F) レベル   | ○             | —                | ○                     |
|                 | S RNM (A) 対数計数率 | ○             | ○                | ○                     |
|                 | S RNM (B) 対数計数率 | ○             | ○                | ○                     |
|                 | S RNM (C) 対数計数率 | ○             | ○                | ○                     |
|                 | S RNM (D) 対数計数率 | ○             | ○                | ○                     |
|                 | S RNM (E) 対数計数率 | ○             | ○                | ○                     |
|                 | S RNM (F) 対数計数率 | ○             | ○                | ○                     |
|                 | S RNM (G) 対数計数率 | ○             | ○                | ○                     |
|                 | S RNM (H) 対数計数率 | ○             | ○                | ○                     |
|                 | S RNM (A) 計数率高減 | ○             | ○                | ○                     |
|                 | S RNM (B) 計数率高減 | ○             | ○                | ○                     |
|                 | S RNM (C) 計数率高減 | ○             | ○                | ○                     |
|                 | S RNM (D) 計数率高減 | ○             | ○                | ○                     |
|                 | S RNM (E) 計数率高減 | ○             | ○                | ○                     |
| S RNM (F) 計数率高減 | ○               | ○             | ○                |                       |
| S RNM (G) 計数率高減 | ○               | ○             | ○                |                       |
| S RNM (H) 計数率高減 | ○               | ○             | ○                |                       |
| S RNM (A) 線形%出力 | ○               | ○             | ○                |                       |
| S RNM (B) 線形%出力 | ○               | ○             | ○                |                       |
| S RNM (C) 線形%出力 | ○               | ○             | ○                |                       |
| S RNM (D) 線形%出力 | ○               | ○             | ○                |                       |
| S RNM (E) 線形%出力 | ○               | ○             | ○                |                       |
| S RNM (F) 線形%出力 | ○               | ○             | ○                |                       |
| S RNM (G) 線形%出力 | ○               | ○             | ○                |                       |
| S RNM (H) 線形%出力 | ○               | ○             | ○                |                       |
| 全副操縦全線入         |                 | ○             | ○                | ○                     |

【比較のため、  
 62-6 設置許可基準規制等への適合状況説明資料より転載】

参考第6-1表 データ表示装置で確認できるパラメータ (LS)

| 項目          | 炉心反応度<br>の状態確認 | 炉心冷却材<br>の状態確認 | 加圧器水位 | 1次冷却材圧力 | 原子炉水位 | Aループ冷却材最高側温度(広域) | Bループ冷却材最高側温度(広域) | Cループ冷却材最高側温度(広域) | Dループ冷却材最高側温度(広域) | Aループ冷却材低側温度(広域) | Bループ冷却材低側温度(広域) | Cループ冷却材低側温度(広域) | Dループ冷却材低側温度(広域) |
|-------------|----------------|----------------|-------|---------|-------|------------------|------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|
| 炉心反応度平均値    | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度Aレベル   | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度Bレベル   | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度Cレベル   | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度Dレベル   | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度Eレベル   | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度Fレベル   | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度A対数計数率 | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度B対数計数率 | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度C対数計数率 | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度D対数計数率 | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度E対数計数率 | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度F対数計数率 | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度A計数率高減 | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度B計数率高減 | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度C計数率高減 | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度D計数率高減 | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度E計数率高減 | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度F計数率高減 | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度A線形%出力 | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度B線形%出力 | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度C線形%出力 | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度D線形%出力 | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度E線形%出力 | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |
| 炉心反応度F線形%出力 | ○              |                |       |         |       |                  |                  |                  |                  |                 |                 |                 |                 |

【女川・大飯】記載表現の相違

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所3/4号炉

【比較のため、  
62-8 設置許可基準規制等への適合状況説明資料より転載】

表12 バックアップできるパラメータリスト (2/5)

| 目的                       | 対象パラメータ      | SP96 入力<br>パラメータ | ERSSへ伝送<br>している<br>パラメータ | バックアップ<br>対象パラメータ |
|--------------------------|--------------|------------------|--------------------------|-------------------|
| 主蒸気圧力                    | A主蒸気圧力       | ○                | ○                        | ○                 |
|                          | B主蒸気圧力       | ○                | ○                        | ○                 |
|                          | C主蒸気圧力       | ○                | ○                        | ○                 |
|                          | D主蒸気圧力       | ○                | ○                        | ○                 |
| 安全注入流量                   | A高圧注入流量      | ○                | ○                        | ○                 |
|                          | B高圧注入流量      | ○                | ○                        | ○                 |
| 余熱除去流量                   | A余熱除去流量      | ○                | ○                        | ○                 |
|                          | B余熱除去流量      | ○                | ○                        | ○                 |
| 燃料取替用水<br>ピット水位          | 燃料取替用水ピット水位  | ○                | ○                        | ○                 |
| 充てん水                     | 充てん水流量       | ○                | ○                        | ○                 |
| 蒸気発生器<br>水位              | A蒸気発生器水位(広域) | ○                | ○                        | ○                 |
|                          | B蒸気発生器水位(広域) | ○                | ○                        | ○                 |
|                          | C蒸気発生器水位(広域) | ○                | ○                        | ○                 |
|                          | D蒸気発生器水位(狭域) | ○                | ○                        | ○                 |
| 2次系による<br>冷却             | A蒸気発生器補助給水流量 | ○                | ○                        | ○                 |
|                          | B蒸気発生器補助給水流量 | ○                | ○                        | ○                 |
|                          | C蒸気発生器補助給水流量 | ○                | ○                        | ○                 |
|                          | D蒸気発生器補助給水流量 | ○                | ○                        | ○                 |
| 所内母線電圧<br>(非常用)          | 4-3 A母線電圧    | ○                | ○                        | ○                 |
|                          | 4-3 B母線電圧    | ○                | ○                        | ○                 |
|                          | 4-3 A E G遮断器 | ○                | ○                        | ○                 |
| 1次冷却材<br>サブクール度<br>(T/C) | 1次冷却材サブクール度  | ○                | ○                        | ○                 |

女川原子力発電所2号炉

(3/10)

| 目的                   | 対象パラメータ           | SP96<br>パラメータ | ERSS 伝送<br>パラメータ | バック<br>アップ対象<br>パラメータ |
|----------------------|-------------------|---------------|------------------|-----------------------|
| 炉心冷却の<br>状態確認        | 原子炉圧力(広域側) B V    | ○             | ○                | ○                     |
|                      | 原子炉圧力(広域側) A      | ○             | ○                | ○                     |
|                      | 原子炉圧力(広域側) B      | ○             | ○                | ○                     |
|                      | 原子炉水位(広域側) P B V  | ○             | ○                | ○                     |
|                      | 原子炉水位(広域側) A      | ○             | ○                | ○                     |
|                      | 原子炉水位(広域側) B      | ○             | ○                | ○                     |
|                      | 原子炉水位(燃料側) P B V  | ○             | ○                | ○                     |
|                      | 原子炉水位(燃料側) A      | ○             | ○                | ○                     |
|                      | 原子炉水位(燃料側) B      | ○             | ○                | ○                     |
|                      | P L Rポンプ (A) 入口流量 | ○             | ○                | ○                     |
|                      | P L Rポンプ (B) 入口流量 | ○             | ○                | ○                     |
|                      | S B V 側           | ○             | ○                | ○                     |
|                      | R H Rポンプ (A) 出口流量 | ○             | ○                | ○                     |
|                      | R H Rポンプ (B) 出口流量 | ○             | ○                | ○                     |
|                      | R H Rポンプ (C) 出口流量 | ○             | ○                | ○                     |
| L P C Sポンプ出口流量       | ○                 | ○             | ○                |                       |
| R P C Sポンプ出口流量       | ○                 | ○             | ○                |                       |
| R C L Cポンプ出口流量       | ○                 | ○             | ○                |                       |
| R P A Cポンプ出口流量       | ○                 | ○             | ○                |                       |
| R H Rヘータスプレイライン洗浄流量  | ○                 | ○             | ○                |                       |
| R H R日永給水装置冷却ライン洗浄流量 | ○                 | ○             | ○                |                       |
| R H R日永給水装置冷却ライン入口流量 | ○                 | ○             | ○                |                       |
| R H R日永給水装置冷却ライン出口流量 | ○                 | ○             | ○                |                       |
| R C W A系 系統流量        | ○                 | ○             | ○                |                       |
| R C W B系 系統流量        | ○                 | ○             | ○                |                       |
| 0.9 kV母線6-2 A電圧      | ○                 | ○             | ○                |                       |
| 0.9 kV母線6-2 B電圧      | ○                 | ○             | ○                |                       |
| 0.9 kV母線6-2 C電圧      | ○                 | ○             | ○                |                       |
| 0.9 kV母線6-2 S A 1電圧  | ○                 | ○             | ○                |                       |
| 0.9 kV母線6-2 S A 2電圧  | ○                 | ○             | ○                |                       |
| 0.9 kV母線6-2 S B 1電圧  | ○                 | ○             | ○                |                       |
| 0.9 kV母線6-2 S B 2電圧  | ○                 | ○             | ○                |                       |
| 0.9 kV母線6-2 C電圧      | ○                 | ○             | ○                |                       |
| 0.9 kV母線6-2 D電圧      | ○                 | ○             | ○                |                       |
| 0.9 kV母線6-2 H電圧      | ○                 | ○             | ○                |                       |
| D/G 2A L e制御投入       | ○                 | ○             | ○                |                       |

泊発電所3号炉

【比較のため、  
62-6 設置許可基準規則等への適合状況説明資料より転載】

表13 バックアップできるパラメータリスト (2/5)

| 目的                   | 対象パラメータ           | SP96 入力<br>パラメータ | ERSSへ伝送<br>している<br>パラメータ | バックアップ<br>対象パラメータ |
|----------------------|-------------------|------------------|--------------------------|-------------------|
| 炉心冷却の<br>状態確認        | 原子炉圧力(広域側) B V    | ○                | ○                        | ○                 |
|                      | 原子炉圧力(広域側) A      | ○                | ○                        | ○                 |
|                      | 原子炉圧力(広域側) B      | ○                | ○                        | ○                 |
|                      | 原子炉水位(広域側) P B V  | ○                | ○                        | ○                 |
|                      | 原子炉水位(広域側) A      | ○                | ○                        | ○                 |
|                      | 原子炉水位(広域側) B      | ○                | ○                        | ○                 |
|                      | 原子炉水位(燃料側) P B V  | ○                | ○                        | ○                 |
|                      | 原子炉水位(燃料側) A      | ○                | ○                        | ○                 |
|                      | 原子炉水位(燃料側) B      | ○                | ○                        | ○                 |
|                      | P L Rポンプ (A) 入口流量 | ○                | ○                        | ○                 |
|                      | P L Rポンプ (B) 入口流量 | ○                | ○                        | ○                 |
|                      | S B V 側           | ○                | ○                        | ○                 |
|                      | R H Rポンプ (A) 出口流量 | ○                | ○                        | ○                 |
|                      | R H Rポンプ (B) 出口流量 | ○                | ○                        | ○                 |
|                      | R H Rポンプ (C) 出口流量 | ○                | ○                        | ○                 |
| L P C Sポンプ出口流量       | ○                 | ○                | ○                        |                   |
| R P C Sポンプ出口流量       | ○                 | ○                | ○                        |                   |
| R C L Cポンプ出口流量       | ○                 | ○                | ○                        |                   |
| R P A Cポンプ出口流量       | ○                 | ○                | ○                        |                   |
| R H Rヘータスプレイライン洗浄流量  | ○                 | ○                | ○                        |                   |
| R H R日永給水装置冷却ライン洗浄流量 | ○                 | ○                | ○                        |                   |
| R H R日永給水装置冷却ライン入口流量 | ○                 | ○                | ○                        |                   |
| R H R日永給水装置冷却ライン出口流量 | ○                 | ○                | ○                        |                   |
| R C W A系 系統流量        | ○                 | ○                | ○                        |                   |
| R C W B系 系統流量        | ○                 | ○                | ○                        |                   |
| 0.9 kV母線6-2 A電圧      | ○                 | ○                | ○                        |                   |
| 0.9 kV母線6-2 B電圧      | ○                 | ○                | ○                        |                   |
| 0.9 kV母線6-2 C電圧      | ○                 | ○                | ○                        |                   |
| 0.9 kV母線6-2 S A 1電圧  | ○                 | ○                | ○                        |                   |
| 0.9 kV母線6-2 S A 2電圧  | ○                 | ○                | ○                        |                   |
| 0.9 kV母線6-2 S B 1電圧  | ○                 | ○                | ○                        |                   |
| 0.9 kV母線6-2 S B 2電圧  | ○                 | ○                | ○                        |                   |
| 0.9 kV母線6-2 C電圧      | ○                 | ○                | ○                        |                   |
| 0.9 kV母線6-2 D電圧      | ○                 | ○                | ○                        |                   |
| 0.9 kV母線6-2 H電圧      | ○                 | ○                | ○                        |                   |
| D/G 2A L e制御投入       | ○                 | ○                | ○                        |                   |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所 3 / 4 号炉

女川原子力発電所 2 号炉

泊発電所 3 号炉

相違理由

【比較のため、  
 62-8 設置許可基準規制等への適合状況説明資料より転載】

【比較のため、  
 62-6 設置許可基準規制等への適合状況説明資料より転載】

表13 バックアップできるパラメータリスト (3/5)

| 目的            | 対象パラメータ                     | SPDS 入力<br>パラメータ       | EMSへ伝送<br>している<br>パラメータ | バックアップ<br>対象パラメータ |   |
|---------------|-----------------------------|------------------------|-------------------------|-------------------|---|
| 標榜の<br>状態確認   | 炉心出口温度                      | 炉心出口温度(最大)             | ○                       | ○                 |   |
|               |                             | 炉心出口温度(平均)             | ○                       | ○                 |   |
|               | 格納容器内<br>高レベル<br>モニタ<br>の指示 | A格納容器内高レベルエリアモニタ(高レベル) | ○                       | ○                 | ○ |
|               |                             | B格納容器内高レベルエリアモニタ(低レベル) | ○                       | ○                 | ○ |
| 格納容器の<br>状態確認 | 格納容器圧力                      | 格納容器圧力(広域)             | ○                       | ○                 |   |
|               |                             | AM用格納容器圧力              | ○                       | ○                 |   |
|               | 格納容器温度                      | 格納容器温度                 | ○                       | ○                 |   |
|               |                             | A格納容器再循環ポンプ水位(広域)      | ○                       | ○                 |   |
|               | 格納容器水位                      | B格納容器再循環ポンプ水位(広域)      | ○                       | ○                 |   |
|               |                             | A格納容器再循環ポンプ水位(狭域)      | ○                       | ○                 |   |
|               |                             | B格納容器再循環ポンプ水位(狭域)      | ○                       | ○                 |   |
|               |                             | 格納容器水位                 | ○                       | ○                 |   |
|               | 格納容器<br>スプレイ流量              | 蒸気炉下部キャビティ水位           | ○                       | ○                 |   |
|               |                             | A格納容器スプレイ流量            | ○                       | ○                 |   |
|               | 格納容器内<br>高レベル<br>モニタ<br>の指示 | B格納容器スプレイ流量            | ○                       | ○                 |   |
|               |                             | A格納容器内高レベルエリアモニタ(高レベル) | ○                       | ○                 |   |
|               |                             | B格納容器内高レベルエリアモニタ(低レベル) | ○                       | ○                 |   |
|               |                             | A格納容器内高レベルエリアモニタ(高レベル) | ○                       | ○                 |   |
|               | 格納容器<br>ガスモニタ<br>の指示        | 格納容器ガスモニタ              | ○                       | ○                 |   |
|               | 格納容器<br>水量濃度                | 可搬型格納容器水量ガス濃度          | ○                       | ○                 |   |

(3/10)

| 目的                  | 対象パラメータ                     | SPDS<br>パラメータ | EMS 伝送<br>パラメータ | バック<br>アップ対象<br>パラメータ |
|---------------------|-----------------------------|---------------|-----------------|-----------------------|
| 炉心の炉の<br>状態確認       | D/D、2位、シヤ監視投入               | ○             | ○               | ○                     |
|                     | H/D、2位、シヤ監視投入               | ○             | ○               | ○                     |
|                     | 炉水循環ポンプ水位                   | ○             | ○               | ○                     |
|                     | 原子炉圧力容器温度(原子炉圧力容器側フランジ下部温度) | ○             | ○               | ○                     |
|                     | 原子炉圧力容器温度(炉水/炉水/N4水位)       | ○             | ○               | ○                     |
|                     | 原子炉圧力容器温度(炉水/炉水/N4 D温度)     | ○             | ○               | ○                     |
|                     | 原子炉圧力容器温度(原子炉圧力容器下部温度)      | ○             | ○               | ○                     |
|                     | 原子炉圧力容器温度(原子炉圧力容器下部温度)      | ○             | ○               | ○                     |
|                     | ドライウェル圧力(広域)                | ○             | ○               | ○                     |
|                     | ドライウェル圧力                    | ○             | ○               | ○                     |
| 格納容器内<br>の状態確認      | 圧力制御室圧力(最大)                 | ○             | ○               | ○                     |
|                     | 圧力制御室圧力                     | ○             | ○               | ○                     |
|                     | 圧力制御室圧力                     | ○             | ○               | ○                     |
|                     | B/D Ver.バージョン制御室温度(最大)      | ○             | ○               | ○                     |
|                     | 圧力制御室水位(B/V)                | ○             | ○               | ○                     |
|                     | 圧力制御室水位 A                   | ○             | ○               | ○                     |
|                     | 圧力制御室水位 B                   | ○             | ○               | ○                     |
|                     | 圧力制御室内空気温度 A                | ○             | ○               | ○                     |
|                     | 圧力制御室内空気温度 B                | ○             | ○               | ○                     |
|                     | 圧力制御室内空気温度 C                | ○             | ○               | ○                     |
|                     | 圧力制御室内空気温度 D                | ○             | ○               | ○                     |
|                     | サブプレッションプール温度(最大)           | ○             | ○               | ○                     |
|                     | サブプレッションプール温度(17°)          | ○             | ○               | ○                     |
|                     | サブプレッションプール温度(14°)          | ○             | ○               | ○                     |
|                     | サブプレッションプール温度(16°)          | ○             | ○               | ○                     |
|                     | サブプレッションプール温度(19°)          | ○             | ○               | ○                     |
|                     | サブプレッションプール温度(101°)         | ○             | ○               | ○                     |
|                     | サブプレッションプール温度(12°)          | ○             | ○               | ○                     |
|                     | サブプレッションプール温度(14°)          | ○             | ○               | ○                     |
|                     | サブプレッションプール温度(16°)          | ○             | ○               | ○                     |
| サブプレッションプール温度(191°) | ○                           | ○             | ○               |                       |
| サブプレッションプール温度(214°) | ○                           | ○             | ○               |                       |
| サブプレッションプール温度(230°) | ○                           | ○             | ○               |                       |
| サブプレッションプール温度(250°) | ○                           | ○             | ○               |                       |
| サブプレッションプール温度(281°) | ○                           | ○             | ○               |                       |
| サブプレッションプール温度(304°) | ○                           | ○             | ○               |                       |
| サブプレッションプール温度(329°) | ○                           | ○             | ○               |                       |

表14 参考第6-3巻、データ表示端末で確認できるパラメータ (3/5)

| 目的                  | 対象パラメータ                     | バックアップ<br>対象パラメータ |
|---------------------|-----------------------------|-------------------|
| 炉心の炉の<br>状態確認       | D/D、2位、シヤ監視投入               | ○                 |
|                     | H/D、2位、シヤ監視投入               | ○                 |
|                     | 炉水循環ポンプ水位                   | ○                 |
|                     | 原子炉圧力容器温度(原子炉圧力容器側フランジ下部温度) | ○                 |
|                     | 原子炉圧力容器温度(炉水/炉水/N4水位)       | ○                 |
|                     | 原子炉圧力容器温度(炉水/炉水/N4 D温度)     | ○                 |
|                     | 原子炉圧力容器温度(原子炉圧力容器下部温度)      | ○                 |
|                     | 原子炉圧力容器温度(原子炉圧力容器下部温度)      | ○                 |
|                     | ドライウェル圧力(広域)                | ○                 |
|                     | ドライウェル圧力                    | ○                 |
| 格納容器内<br>の状態確認      | 圧力制御室圧力(最大)                 | ○                 |
|                     | 圧力制御室圧力                     | ○                 |
|                     | 圧力制御室圧力                     | ○                 |
|                     | B/D Ver.バージョン制御室温度(最大)      | ○                 |
|                     | 圧力制御室水位(B/V)                | ○                 |
|                     | 圧力制御室水位 A                   | ○                 |
|                     | 圧力制御室水位 B                   | ○                 |
|                     | 圧力制御室内空気温度 A                | ○                 |
|                     | 圧力制御室内空気温度 B                | ○                 |
|                     | 圧力制御室内空気温度 C                | ○                 |
|                     | 圧力制御室内空気温度 D                | ○                 |
|                     | サブプレッションプール温度(最大)           | ○                 |
|                     | サブプレッションプール温度(17°)          | ○                 |
|                     | サブプレッションプール温度(14°)          | ○                 |
|                     | サブプレッションプール温度(16°)          | ○                 |
|                     | サブプレッションプール温度(19°)          | ○                 |
|                     | サブプレッションプール温度(101°)         | ○                 |
|                     | サブプレッションプール温度(12°)          | ○                 |
|                     | サブプレッションプール温度(14°)          | ○                 |
|                     | サブプレッションプール温度(16°)          | ○                 |
| サブプレッションプール温度(191°) | ○                           |                   |
| サブプレッションプール温度(214°) | ○                           |                   |
| サブプレッションプール温度(230°) | ○                           |                   |
| サブプレッションプール温度(250°) | ○                           |                   |
| サブプレッションプール温度(281°) | ○                           |                   |
| サブプレッションプール温度(304°) | ○                           |                   |
| サブプレッションプール温度(329°) | ○                           |                   |







赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所3/4号炉

女川原子力発電所2号炉

泊発電所3号炉

相違理由

【比較のため、  
 62-8 設置許可基準規制等への適合状況説明資料より転載】

【比較のため、  
 62-6 設置許可基準規則等への適合状況説明資料より転載】

表15 バックアップできるパラメータリスト (5/5)

| 目的                    | 対象パラメータ                | SPS入力<br>パラメータ | ERSへ伝送<br>している<br>パラメータ | バックアップ<br>対象パラメータ |   |
|-----------------------|------------------------|----------------|-------------------------|-------------------|---|
| その他<br>(ECCS<br>の状態等) | ECCSの状態<br>(炉圧降下系)     | A余熱除去ポンプ       | ○                       | ○                 | — |
|                       |                        | B余熱除去ポンプ       | ○                       | ○                 | — |
|                       | ECCSの状態                | 安全注入作動         | ○                       | ○                 | ○ |
|                       |                        | 原子炉トランプ<br>状態  | ○                       | ○                 | — |
|                       | S/O継ぎ<br>漏れ監視          | 復水器空気抽出器ガスモニタ  | ○                       | ○                 | — |
|                       |                        | 蒸気発生器ブローダウンモニタ | ○                       | ○                 | — |
|                       | 排気代替圧江<br>圧水ポンプ流量      | 排気代替圧江圧水流量積算   | ○                       | —                 | ○ |
|                       |                        | CWS冷却水<br>保存水量 | ○                       | —                 | ○ |
|                       | ほうろくタンク<br>保存水量        | Aほうろくタンク水位     | ○                       | —                 | ○ |
|                       |                        | Bほうろくタンク水位     | ○                       | —                 | ○ |
| 復水ビット<br>保存水量         | 復水ビット水位                | ○              | —                       | ○                 |   |
|                       | 放水口の放射線                | ○              | ○                       | ○                 |   |
| ECCS<br>の状態           | 給水量                    | A蒸気発生器主給水流量    | ○                       | ○                 | ○ |
|                       |                        | B蒸気発生器主給水流量    | ○                       | ○                 | ○ |
|                       |                        | C蒸気発生器主給水流量    | ○                       | ○                 | ○ |
|                       |                        | D蒸気発生器主給水流量    | ○                       | ○                 | ○ |
|                       | A蒸気発生器補助給水流量           | ○              | ○                       | ○                 |   |
|                       |                        | B蒸気発生器補助給水流量   | ○                       | ○                 | ○ |
|                       |                        | C蒸気発生器補助給水流量   | ○                       | ○                 | ○ |
|                       |                        | D蒸気発生器補助給水流量   | ○                       | ○                 | ○ |
|                       | 格納容器<br>スプレイポンプ<br>の状態 | A格納容器スプレイポンプ   | ○                       | ○                 | — |
|                       |                        | B格納容器スプレイポンプ   | ○                       | ○                 | — |

(5/10)

| 目的                   | 対象パラメータ                               | SPS<br>パラメータ | ERS伝送<br>パラメータ | バック<br>アップ対象<br>パラメータ |
|----------------------|---------------------------------------|--------------|----------------|-----------------------|
| 格納容器内<br>の状態確認       | ドライウェル受取気温度 (機器側出入口用ハッチ下部[1]位) (算出温度) | ○            | —              | ○                     |
|                      | ドライウェル受取気温度 (機器側出入口用ハッチ下部[2]位) (算出温度) | ○            | —              | ○                     |
|                      | ドライウェル受取気温度 (制御室側機器側出入口下部[1]位) (算出温度) | ○            | —              | ○                     |
|                      | ドライウェル受取気温度 (ベダスタル内[6]位) (算出温度)       | ○            | —              | ○                     |
|                      | ドライウェル受取気温度 (ベダスタル内[7]位) (算出温度)       | ○            | —              | ○                     |
|                      | 凝水排水ポンプ出口圧力                           | ○            | —              | ○                     |
|                      | ドライウェル水位 A (2m)                       | ○            | —              | ○                     |
|                      | ドライウェル水位 B (2m)                       | ○            | —              | ○                     |
|                      | ドライウェル水位 A (23m)                      | ○            | —              | ○                     |
|                      | ドライウェル水位 B (23m)                      | ○            | —              | ○                     |
|                      | ドライウェル水位 A (34m)                      | ○            | —              | ○                     |
|                      | ドライウェル水位 B (34m)                      | ○            | —              | ○                     |
|                      | 原子炉格納容器下部水位 A (0.5m)                  | ○            | —              | ○                     |
|                      | 原子炉格納容器下部水位 B (0.5m)                  | ○            | —              | ○                     |
|                      | 原子炉格納容器下部水位 A (1.0m)                  | ○            | —              | ○                     |
| 原子炉格納容器下部水位 B (1.0m) | ○                                     | —            | ○              |                       |
| 原子炉格納容器下部水位 A (1.5m) | ○                                     | —            | ○              |                       |
| 原子炉格納容器下部水位 B (1.5m) | ○                                     | —            | ○              |                       |
| 原子炉格納容器下部水位 A (2.0m) | ○                                     | —            | ○              |                       |
| 原子炉格納容器下部水位 B (2.0m) | ○                                     | —            | ○              |                       |
| 原子炉格納容器下部水位 A (2.5m) | ○                                     | —            | ○              |                       |
| 原子炉格納容器下部水位 B (2.5m) | ○                                     | —            | ○              |                       |
| 原子炉格納容器下部水位 A (3.0m) | ○                                     | —            | ○              |                       |
| 原子炉格納容器下部水位 B (3.0m) | ○                                     | —            | ○              |                       |
| 原子炉格納容器下部水位 A (3.5m) | ○                                     | —            | ○              |                       |
| 原子炉格納容器下部水位 B (3.5m) | ○                                     | —            | ○              |                       |
| 原子炉格納容器内蒸水レベル位置 (A)  | ○                                     | —            | ○              |                       |
| 原子炉格納容器内蒸水レベル位置 (B)  | ○                                     | —            | ○              |                       |
| 放射線検測<br>の状態確認       | スタック放射線モニタ (1C) A                     | ○            | ○              | ○                     |
|                      | スタック放射線モニタ (1C) B                     | ○            | ○              | ○                     |
|                      | スタック放射線モニタ (3C1N) A                   | ○            | ○              | ○                     |
|                      | スタック放射線モニタ (3C1N) B                   | ○            | ○              | ○                     |
|                      | 主蒸気管放射線検出器A1                          | ○            | ○              | ○                     |
| 主蒸気管放射線検出器A2         | ○                                     | ○            | ○              |                       |
| 主蒸気管放射線検出器B1         | ○                                     | ○            | ○              |                       |
| 主蒸気管放射線検出器B2         | ○                                     | ○            | ○              |                       |

| 目的              | バックアップ対象<br>パラメータ | ERSへ<br>伝送している<br>パラメータ | SPS入力<br>パラメータ | 格納容器内<br>の状態確認 |               | 放射線検測<br>の状態確認 |               | その他 |
|-----------------|-------------------|-------------------------|----------------|----------------|---------------|----------------|---------------|-----|
|                 |                   |                         |                | モニタリング対象パラメータ  | モニタリング対象パラメータ | モニタリング対象パラメータ  | モニタリング対象パラメータ |     |
| モニタリング対象パラメータ   | ○                 | ○                       | ○              | ○              | ○             | ○              | ○             | ○   |
| ERSへ伝送しているパラメータ | ○                 | ○                       | ○              | ○              | ○             | ○              | ○             | ○   |
| SPS入力パラメータ      | ○                 | ○                       | ○              | ○              | ○             | ○              | ○             | ○   |
| バックアップ対象パラメータ   | ○                 | ○                       | ○              | ○              | ○             | ○              | ○             | ○   |

※1:「環境の改善策」の「パラメータはプラント共通設備のパラメータであり、当該プラントに設置しているプラント計量機への入力が行わず、当該パラメータ収集装置へデータ入力している。  
 なお、「環境の状態確認」のパラメータについては、可搬型モニタリングシステム及び可搬型放射線計量機からの監視伝送により緊急時対面にて確認可能である。

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉       | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉     | 相違理由             |                       |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
|----------------------|--|---------------|------------------|-----------------------|------------------|-----------------------|----------------|----------|---|---|---|----------|---|---|---|---------------|---|---|---|-----------------|---|---|---|-----------------|---|---|---|-----------------|---|---|---|-----------------|---|---|---|---------------|---|---|---|-----------------|---|---|---|-----------------|---|---|---|-----------------|---|---|---|-----------------|---|---|---|-------------|---------------|---|---|---|---------------|---|---|---|----------------------|---|---|---|----------------------|---|---|---|---------------------|---|---|---|---------------------|---|---|---|-----------------|---|---|---|-----------------|---|---|---|-----------------|---|---|---|-----------------|---|---|---|--------------|---|---|---|-------------------|---|---|---|-------------------|---|---|---|-------------------|---|---|---|-------------------|---|---|---|-------------------|---|---|---|-------------------|---|---|---|---------------------|---|---|---|---------------------|---|---|---|---------------------|---|---|---|---------------------|---|---|---|---------------------|---|---|---|---------------------|---|---|---|--|--|
|                      | (6/10)   |               |                  |                       |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
|                      | <table border="1"> <thead> <tr> <th>目 的</th> <th>対象パラメータ</th> <th>SPOE<br/>パラメータ</th> <th>ISO5 右迄<br/>パラメータ</th> <th>バック<br/>アップ対象<br/>パラメータ</th> </tr> </thead> <tbody> <tr><td rowspan="14">放射能検測<br/>の状態確認</td><td>PC1S内部検測</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>PC1S外部検測</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>MS1V (第1) 全弁閉</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>主蒸気第1 検測# (A) 閉</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>主蒸気第1 検測# (B) 閉</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>主蒸気第1 検測# (C) 閉</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>主蒸気第1 検測# (D) 閉</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>MS1V (第2) 全弁閉</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>主蒸気第2 検測# (A) 閉</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>主蒸気第2 検測# (B) 閉</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>主蒸気第2 検測# (C) 閉</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>主蒸気第2 検測# (D) 閉</td><td>○</td><td>○</td><td>○</td></tr> <tr><td rowspan="18">費城の情報<br/>確認</td><td>S.G.T.S. A系動作</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>S.G.T.S. B系動作</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>S.G.T.S放射線モニタ (1C) A</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>S.G.T.S放射線モニタ (1C) B</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>S.G.T.Sトレイン出口流量 (A)</td><td>○</td><td>—</td><td>○</td></tr> <tr><td>S.G.T.Sトレイン出口流量 (B)</td><td>○</td><td>—</td><td>○</td></tr> <tr><td>原子炉建屋外気温度計 (北側)</td><td>○</td><td>—</td><td>○</td></tr> <tr><td>原子炉建屋外気温度計 (西側)</td><td>○</td><td>—</td><td>○</td></tr> <tr><td>原子炉建屋外気温度計 (南側)</td><td>○</td><td>—</td><td>○</td></tr> <tr><td>原子炉建屋外気温度計 (東側)</td><td>○</td><td>—</td><td>○</td></tr> <tr><td>放水口モニタ (2号機)</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>モニタリングポスト1C 観測率H1</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>モニタリングポスト1C 観測率H2</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>モニタリングポスト1C 観測率H3</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>モニタリングポスト1C 観測率H4</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>モニタリングポスト1C 観測率H5</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>モニタリングポスト1C 観測率H6</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>モニタリングポストNa-1 観測率L1</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>モニタリングポストNa-1 観測率L2</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>モニタリングポストNa-1 観測率L3</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>モニタリングポストNa-1 観測率L4</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>モニタリングポストNa-1 観測率L5</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>モニタリングポストNa-1 観測率L6</td><td>○</td><td>○</td><td>○</td></tr> </tbody> </table> | 目 的           | 対象パラメータ          | SPOE<br>パラメータ         | ISO5 右迄<br>パラメータ | バック<br>アップ対象<br>パラメータ | 放射能検測<br>の状態確認 | PC1S内部検測 | ○ | ○ | ○ | PC1S外部検測 | ○ | ○ | ○ | MS1V (第1) 全弁閉 | ○ | ○ | ○ | 主蒸気第1 検測# (A) 閉 | ○ | ○ | ○ | 主蒸気第1 検測# (B) 閉 | ○ | ○ | ○ | 主蒸気第1 検測# (C) 閉 | ○ | ○ | ○ | 主蒸気第1 検測# (D) 閉 | ○ | ○ | ○ | MS1V (第2) 全弁閉 | ○ | ○ | ○ | 主蒸気第2 検測# (A) 閉 | ○ | ○ | ○ | 主蒸気第2 検測# (B) 閉 | ○ | ○ | ○ | 主蒸気第2 検測# (C) 閉 | ○ | ○ | ○ | 主蒸気第2 検測# (D) 閉 | ○ | ○ | ○ | 費城の情報<br>確認 | S.G.T.S. A系動作 | ○ | ○ | ○ | S.G.T.S. B系動作 | ○ | ○ | ○ | S.G.T.S放射線モニタ (1C) A | ○ | ○ | ○ | S.G.T.S放射線モニタ (1C) B | ○ | ○ | ○ | S.G.T.Sトレイン出口流量 (A) | ○ | — | ○ | S.G.T.Sトレイン出口流量 (B) | ○ | — | ○ | 原子炉建屋外気温度計 (北側) | ○ | — | ○ | 原子炉建屋外気温度計 (西側) | ○ | — | ○ | 原子炉建屋外気温度計 (南側) | ○ | — | ○ | 原子炉建屋外気温度計 (東側) | ○ | — | ○ | 放水口モニタ (2号機) | ○ | ○ | ○ | モニタリングポスト1C 観測率H1 | ○ | ○ | ○ | モニタリングポスト1C 観測率H2 | ○ | ○ | ○ | モニタリングポスト1C 観測率H3 | ○ | ○ | ○ | モニタリングポスト1C 観測率H4 | ○ | ○ | ○ | モニタリングポスト1C 観測率H5 | ○ | ○ | ○ | モニタリングポスト1C 観測率H6 | ○ | ○ | ○ | モニタリングポストNa-1 観測率L1 | ○ | ○ | ○ | モニタリングポストNa-1 観測率L2 | ○ | ○ | ○ | モニタリングポストNa-1 観測率L3 | ○ | ○ | ○ | モニタリングポストNa-1 観測率L4 | ○ | ○ | ○ | モニタリングポストNa-1 観測率L5 | ○ | ○ | ○ | モニタリングポストNa-1 観測率L6 | ○ | ○ | ○ |  |  |
| 目 的                  | 対象パラメータ  | SPOE<br>パラメータ | ISO5 右迄<br>パラメータ | バック<br>アップ対象<br>パラメータ |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| 放射能検測<br>の状態確認       | PC1S内部検測   | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
|                      | PC1S外部検測   | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
|                      | MS1V (第1) 全弁閉  | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
|                      | 主蒸気第1 検測# (A) 閉  | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
|                      | 主蒸気第1 検測# (B) 閉  | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
|                      | 主蒸気第1 検測# (C) 閉  | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
|                      | 主蒸気第1 検測# (D) 閉  | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
|                      | MS1V (第2) 全弁閉  | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
|                      | 主蒸気第2 検測# (A) 閉  | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
|                      | 主蒸気第2 検測# (B) 閉  | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
|                      | 主蒸気第2 検測# (C) 閉  | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
|                      | 主蒸気第2 検測# (D) 閉  | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
|                      | 費城の情報<br>確認  | S.G.T.S. A系動作 | ○                | ○                     | ○                |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
|                      |  | S.G.T.S. B系動作 | ○                | ○                     | ○                |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| S.G.T.S放射線モニタ (1C) A |  | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| S.G.T.S放射線モニタ (1C) B |  | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| S.G.T.Sトレイン出口流量 (A)  |  | ○             | —                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| S.G.T.Sトレイン出口流量 (B)  |  | ○             | —                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| 原子炉建屋外気温度計 (北側)      |  | ○             | —                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| 原子炉建屋外気温度計 (西側)      |  | ○             | —                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| 原子炉建屋外気温度計 (南側)      |  | ○             | —                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| 原子炉建屋外気温度計 (東側)      |  | ○             | —                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| 放水口モニタ (2号機)         |  | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| モニタリングポスト1C 観測率H1    |  | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| モニタリングポスト1C 観測率H2    |  | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| モニタリングポスト1C 観測率H3    |  | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| モニタリングポスト1C 観測率H4    |  | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| モニタリングポスト1C 観測率H5    |  | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| モニタリングポスト1C 観測率H6    |  | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| モニタリングポストNa-1 観測率L1  |  | ○             | ○                | ○                     |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| モニタリングポストNa-1 観測率L2  | ○  | ○             | ○                |                       |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| モニタリングポストNa-1 観測率L3  | ○  | ○             | ○                |                       |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| モニタリングポストNa-1 観測率L4  | ○  | ○             | ○                |                       |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| モニタリングポストNa-1 観測率L5  | ○  | ○             | ○                |                       |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |
| モニタリングポストNa-1 観測率L6  | ○  | ○             | ○                |                       |                  |                       |                |          |   |   |   |          |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |               |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |             |               |   |   |   |               |   |   |   |                      |   |   |   |                      |   |   |   |                     |   |   |   |                     |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                   |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |  |  |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉    | 相違理由            |                       |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|----------------|--|--------------|-----------------|-----------------------|-----------------|-----------------------|--|------------|---|---|---|--|----------|---|---|---|--|------------|---|---|---|--|----------|---|---|---|--|-------|---|---|---|--|---------------------|---|---|----|--|---------------------|---|---|----|--|---------------------|---|---|----|--|---------------------|---|---|----|--|---------------------|---|---|----|--|---------------------|---|---|----|--|---------------------|---|---|----|--|---------------------|---|---|----|--|---------------------|---|---|----|-------|-----------------------|---|---|----|----|-----------------------|---|---|----|--|---------------------|---|---|----|--|---------------------|---|---|----|--|---------------------|---|---|----|--|---------------------|---|---|----|--|---------------------|---|---|----|--|---------------------|---|---|----|--|---------------------|---|---|----|--|---------------------|---|---|----|--|---------------------|---|---|----|--|-----------------------|---|---|----|--|-----------------------|---|---|----|--|---------|---|---|----|--|---------|---|---|----|--|------------|---|---|----|--|--|
|                |  |              |                 |                       |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                |  | (7/10)       |                 |                       |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">目 的</th> <th style="width: 40%;">対象パラメータ</th> <th style="width: 10%;">SIB<br/>パラメータ</th> <th style="width: 10%;">ECS 伝送<br/>パラメータ</th> <th style="width: 10%;">バック<br/>アップ対象<br/>パラメータ</th> </tr> </thead> <tbody> <tr><td></td><td>風向（ドップラー型）</td><td>○</td><td>○</td><td>○</td></tr> <tr><td></td><td>風速（標準観測）</td><td>○</td><td>○</td><td>○</td></tr> <tr><td></td><td>風速（ドップラー型）</td><td>○</td><td>○</td><td>○</td></tr> <tr><td></td><td>風速（標準観測）</td><td>○</td><td>○</td><td>○</td></tr> <tr><td></td><td>大気安定度</td><td>○</td><td>○</td><td>○</td></tr> <tr><td></td><td>可搬型モニタリングポスト 1 高レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>可搬型モニタリングポスト 2 高レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>可搬型モニタリングポスト 3 高レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>可搬型モニタリングポスト 4 高レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>可搬型モニタリングポスト 5 高レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>可搬型モニタリングポスト 6 高レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>可搬型モニタリングポスト 7 高レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>可搬型モニタリングポスト 8 高レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>可搬型モニタリングポスト 9 高レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td>環境の検知</td><td>可搬型モニタリングポスト 1 0 高レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td>検知</td><td>可搬型モニタリングポスト 1 1 高レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>可搬型モニタリングポスト 1 低レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>可搬型モニタリングポスト 2 低レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>可搬型モニタリングポスト 3 低レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>可搬型モニタリングポスト 4 低レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>可搬型モニタリングポスト 5 低レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>可搬型モニタリングポスト 6 低レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>可搬型モニタリングポスト 7 低レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>可搬型モニタリングポスト 8 低レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>可搬型モニタリングポスト 9 低レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>可搬型モニタリングポスト 1 0 低レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>可搬型モニタリングポスト 1 1 低レンジ</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>風向（可搬型）</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>風速（可搬型）</td><td>○</td><td>—</td><td>—*</td></tr> <tr><td></td><td>大気安定度（可搬型）</td><td>○</td><td>—</td><td>—*</td></tr> </tbody> </table> <p style="font-size: small;">※：バックアップ伝送ラインを經由せず、SIB 表示装置にて検知できる。</p> | 目 的          | 対象パラメータ         | SIB<br>パラメータ          | ECS 伝送<br>パラメータ | バック<br>アップ対象<br>パラメータ |  | 風向（ドップラー型） | ○ | ○ | ○ |  | 風速（標準観測） | ○ | ○ | ○ |  | 風速（ドップラー型） | ○ | ○ | ○ |  | 風速（標準観測） | ○ | ○ | ○ |  | 大気安定度 | ○ | ○ | ○ |  | 可搬型モニタリングポスト 1 高レンジ | ○ | — | —* |  | 可搬型モニタリングポスト 2 高レンジ | ○ | — | —* |  | 可搬型モニタリングポスト 3 高レンジ | ○ | — | —* |  | 可搬型モニタリングポスト 4 高レンジ | ○ | — | —* |  | 可搬型モニタリングポスト 5 高レンジ | ○ | — | —* |  | 可搬型モニタリングポスト 6 高レンジ | ○ | — | —* |  | 可搬型モニタリングポスト 7 高レンジ | ○ | — | —* |  | 可搬型モニタリングポスト 8 高レンジ | ○ | — | —* |  | 可搬型モニタリングポスト 9 高レンジ | ○ | — | —* | 環境の検知 | 可搬型モニタリングポスト 1 0 高レンジ | ○ | — | —* | 検知 | 可搬型モニタリングポスト 1 1 高レンジ | ○ | — | —* |  | 可搬型モニタリングポスト 1 低レンジ | ○ | — | —* |  | 可搬型モニタリングポスト 2 低レンジ | ○ | — | —* |  | 可搬型モニタリングポスト 3 低レンジ | ○ | — | —* |  | 可搬型モニタリングポスト 4 低レンジ | ○ | — | —* |  | 可搬型モニタリングポスト 5 低レンジ | ○ | — | —* |  | 可搬型モニタリングポスト 6 低レンジ | ○ | — | —* |  | 可搬型モニタリングポスト 7 低レンジ | ○ | — | —* |  | 可搬型モニタリングポスト 8 低レンジ | ○ | — | —* |  | 可搬型モニタリングポスト 9 低レンジ | ○ | — | —* |  | 可搬型モニタリングポスト 1 0 低レンジ | ○ | — | —* |  | 可搬型モニタリングポスト 1 1 低レンジ | ○ | — | —* |  | 風向（可搬型） | ○ | — | —* |  | 風速（可搬型） | ○ | — | —* |  | 大気安定度（可搬型） | ○ | — | —* |  |  |
| 目 的            | 対象パラメータ  | SIB<br>パラメータ | ECS 伝送<br>パラメータ | バック<br>アップ対象<br>パラメータ |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 風向（ドップラー型）   | ○            | ○               | ○                     |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 風速（標準観測）   | ○            | ○               | ○                     |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 風速（ドップラー型）   | ○            | ○               | ○                     |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 風速（標準観測）   | ○            | ○               | ○                     |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 大気安定度  | ○            | ○               | ○                     |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 可搬型モニタリングポスト 1 高レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 可搬型モニタリングポスト 2 高レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 可搬型モニタリングポスト 3 高レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 可搬型モニタリングポスト 4 高レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 可搬型モニタリングポスト 5 高レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 可搬型モニタリングポスト 6 高レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 可搬型モニタリングポスト 7 高レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 可搬型モニタリングポスト 8 高レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 可搬型モニタリングポスト 9 高レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
| 環境の検知          | 可搬型モニタリングポスト 1 0 高レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
| 検知             | 可搬型モニタリングポスト 1 1 高レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 可搬型モニタリングポスト 1 低レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 可搬型モニタリングポスト 2 低レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 可搬型モニタリングポスト 3 低レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 可搬型モニタリングポスト 4 低レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 可搬型モニタリングポスト 5 低レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 可搬型モニタリングポスト 6 低レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 可搬型モニタリングポスト 7 低レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 可搬型モニタリングポスト 8 低レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 可搬型モニタリングポスト 9 低レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 可搬型モニタリングポスト 1 0 低レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 可搬型モニタリングポスト 1 1 低レンジ  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 風向（可搬型）  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 風速（可搬型）  | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |
|                | 大気安定度（可搬型）   | ○            | —               | —*                    |                 |                       |  |            |   |   |   |  |          |   |   |   |  |            |   |   |   |  |          |   |   |   |  |       |   |   |   |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |       |                       |   |   |    |    |                       |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                     |   |   |    |  |                       |   |   |    |  |                       |   |   |    |  |         |   |   |    |  |         |   |   |    |  |            |   |   |    |  |  |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉   | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉  | 相違理由            |                       |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
|--|--|--|-----------------|-----------------------|-----------------|-----------------------|----------------------|-------------|---|---|---|-------------|---|---|---|------------------|---|---|---|----------------|---|---|---|----------------|---|---|---|-----------------|---|---|---|-----------------|---|---|---|-----------------|---|---|---|---------------------|---|---|---|---------------------|---|---|---|---------------------|---|---|---|-------|---|---|---|---------------|---|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|--|--|
|  | (8/10)   |  |                 |                       |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
|  | <table border="1"> <thead> <tr> <th>目的</th> <th>対象パラメータ</th> <th>STB<br/>パラメータ</th> <th>EDS 伝送<br/>パラメータ</th> <th>バック<br/>アップ装置<br/>パラメータ</th> </tr> </thead> <tbody> <tr><td rowspan="14">非常用炉心冷却系 (RCCS) の状態等</td><td>A.D.S. A系作動</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>A.D.S. B系作動</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>R.C.I.C.タービン止め作動</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>L.P.C.シゴング 運転中</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>H.P.C.シゴング 運転中</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>五号炉シゴング (A) 運転中</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>五号炉シゴング (B) 運転中</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>五号炉シゴング (C) 運転中</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>五号炉 A系L.P.C.1注入隔離作動</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>五号炉 B系L.P.C.1注入隔離作動</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>五号炉 C系L.P.C.1注入隔離作動</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>凝結水流量</td><td>○</td><td>○</td><td>○</td></tr> <tr><td rowspan="18">使用済燃料プールの状態確認</td><td>使用済燃料プール水位・温度 (ヒートサーモ式)<br/>[使用済燃料プール温度 (燃料ラック上層+1.00m)]</td><td>○</td><td>-</td><td>○</td></tr> <tr><td>使用済燃料プール水位・温度 (ヒートサーモ式)<br/>[使用済燃料プール温度 (燃料ラック上層+6.810m)]</td><td>○</td><td>-</td><td>○</td></tr> <tr><td>使用済燃料プール水位・温度 (ヒートサーモ式)<br/>[使用済燃料プール温度 (燃料ラック上層+6.000m)]</td><td>○</td><td>-</td><td>○</td></tr> <tr><td>使用済燃料プール水位・温度 (ヒートサーモ式)<br/>[使用済燃料プール温度 (燃料ラック上層+1.900m)]</td><td>○</td><td>-</td><td>○</td></tr> <tr><td>使用済燃料プール水位・温度 (ヒートサーモ式)<br/>[使用済燃料プール温度 (燃料ラック上層+4.900m)]</td><td>○</td><td>-</td><td>○</td></tr> <tr><td>使用済燃料プール水位・温度 (ヒートサーモ式)<br/>[使用済燃料プール温度 (燃料ラック上層+1.000m)]</td><td>○</td><td>-</td><td>○</td></tr> <tr><td>使用済燃料プール水位・温度 (ヒートサーモ式)<br/>[使用済燃料プール温度 (燃料ラック上層+1.000m)]</td><td>○</td><td>-</td><td>○</td></tr> <tr><td>使用済燃料プール水位・温度 (ヒートサーモ式)<br/>[使用済燃料プール温度 (燃料ラック上層+1.000m)]</td><td>○</td><td>-</td><td>○</td></tr> <tr><td>使用済燃料プール水位・温度 (ヒートサーモ式)<br/>[使用済燃料プール温度 (燃料ラック上層+2.000m)]</td><td>○</td><td>-</td><td>○</td></tr> <tr><td>使用済燃料プール水位・温度 (ヒートサーモ式)<br/>[使用済燃料プール温度 (燃料ラック上層+1.000m)]</td><td>○</td><td>-</td><td>○</td></tr> <tr><td>使用済燃料プール水位・温度 (ヒートサーモ式)<br/>[使用済燃料プール温度 (燃料ラック上層+2.000m)]</td><td>○</td><td>-</td><td>○</td></tr> <tr><td>使用済燃料プール水位・温度 (ヒートサーモ式)<br/>[使用済燃料プール温度 (燃料ラック上層+1.000m)]</td><td>○</td><td>-</td><td>○</td></tr> <tr><td>使用済燃料プール水位・温度 (ヒートサーモ式)<br/>[使用済燃料プール温度 (燃料ラック上層+2.000m)]</td><td>○</td><td>-</td><td>○</td></tr> <tr><td>使用済燃料プール水位・温度 (ヒートサーモ式)<br/>[使用済燃料プール温度 (燃料ラック上層+1.000m)]</td><td>○</td><td>-</td><td>○</td></tr> <tr><td>使用済燃料プール水位・温度 (ヒートサーモ式)<br/>[使用済燃料プール温度 (燃料ラック上層+1.000m)]</td><td>○</td><td>-</td><td>○</td></tr> <tr><td>使用済燃料プール水位・温度 (ヒートサーモ式)<br/>[使用済燃料プール温度 (燃料ラック上層+1.000m)]</td><td>○</td><td>-</td><td>○</td></tr> <tr><td>使用済燃料プール水位・温度 (ヒートサーモ式)<br/>[使用済燃料プール温度 (燃料ラック上層+1.000m)]</td><td>○</td><td>-</td><td>○</td></tr> </tbody> </table> | 目的   | 対象パラメータ         | STB<br>パラメータ          | EDS 伝送<br>パラメータ | バック<br>アップ装置<br>パラメータ | 非常用炉心冷却系 (RCCS) の状態等 | A.D.S. A系作動 | ○ | ○ | ○ | A.D.S. B系作動 | ○ | ○ | ○ | R.C.I.C.タービン止め作動 | ○ | ○ | ○ | L.P.C.シゴング 運転中 | ○ | ○ | ○ | H.P.C.シゴング 運転中 | ○ | ○ | ○ | 五号炉シゴング (A) 運転中 | ○ | ○ | ○ | 五号炉シゴング (B) 運転中 | ○ | ○ | ○ | 五号炉シゴング (C) 運転中 | ○ | ○ | ○ | 五号炉 A系L.P.C.1注入隔離作動 | ○ | ○ | ○ | 五号炉 B系L.P.C.1注入隔離作動 | ○ | ○ | ○ | 五号炉 C系L.P.C.1注入隔離作動 | ○ | ○ | ○ | 凝結水流量 | ○ | ○ | ○ | 使用済燃料プールの状態確認 | 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.00m)] | ○ | - | ○ | 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+6.810m)] | ○ | - | ○ | 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+6.000m)] | ○ | - | ○ | 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.900m)] | ○ | - | ○ | 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+4.900m)] | ○ | - | ○ | 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.000m)] | ○ | - | ○ | 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.000m)] | ○ | - | ○ | 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.000m)] | ○ | - | ○ | 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+2.000m)] | ○ | - | ○ | 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.000m)] | ○ | - | ○ | 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+2.000m)] | ○ | - | ○ | 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.000m)] | ○ | - | ○ | 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+2.000m)] | ○ | - | ○ | 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.000m)] | ○ | - | ○ | 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.000m)] | ○ | - | ○ | 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.000m)] | ○ | - | ○ | 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.000m)] | ○ | - | ○ |  |  |
| 目的   | 対象パラメータ  | STB<br>パラメータ   | EDS 伝送<br>パラメータ | バック<br>アップ装置<br>パラメータ |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
| 非常用炉心冷却系 (RCCS) の状態等                                     | A.D.S. A系作動  | ○  | ○               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
|  | A.D.S. B系作動  | ○  | ○               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
|  | R.C.I.C.タービン止め作動   | ○  | ○               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
|  | L.P.C.シゴング 運転中   | ○  | ○               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
|  | H.P.C.シゴング 運転中   | ○  | ○               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
|  | 五号炉シゴング (A) 運転中  | ○  | ○               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
|  | 五号炉シゴング (B) 運転中  | ○  | ○               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
|  | 五号炉シゴング (C) 運転中  | ○  | ○               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
|  | 五号炉 A系L.P.C.1注入隔離作動  | ○  | ○               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
|  | 五号炉 B系L.P.C.1注入隔離作動  | ○  | ○               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
|  | 五号炉 C系L.P.C.1注入隔離作動  | ○  | ○               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
|  | 凝結水流量  | ○  | ○               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
|  | 使用済燃料プールの状態確認  | 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.00m)]  | ○               | -                     | ○               |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
|  |  | 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+6.810m)] | ○               | -                     | ○               |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
| 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+6.000m)] |  | ○  | -               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
| 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.900m)] |  | ○  | -               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
| 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+4.900m)] |  | ○  | -               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
| 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.000m)] |  | ○  | -               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
| 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.000m)] |  | ○  | -               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
| 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.000m)] |  | ○  | -               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
| 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+2.000m)] |  | ○  | -               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
| 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.000m)] |  | ○  | -               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
| 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+2.000m)] |  | ○  | -               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
| 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.000m)] |  | ○  | -               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
| 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+2.000m)] |  | ○  | -               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
| 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.000m)] |  | ○  | -               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
| 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.000m)] |  | ○  | -               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
| 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.000m)] |  | ○  | -               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |
| 使用済燃料プール水位・温度 (ヒートサーモ式)<br>[使用済燃料プール温度 (燃料ラック上層+1.000m)] |  | ○  | -               | ○                     |                 |                       |                      |             |   |   |   |             |   |   |   |                  |   |   |   |                |   |   |   |                |   |   |   |                 |   |   |   |                 |   |   |   |                 |   |   |   |                     |   |   |   |                     |   |   |   |                     |   |   |   |       |   |   |   |               |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉     | 女川原子力発電所 2 号炉   | 泊発電所 3 号炉    | 相違理由            |                     |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|--------------------|---|--------------|-----------------|---------------------|-----------------|---------------------|---------------|---|---|---|---|---|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|-----------------------|---|---|---|-----------------------|---|---|---|-----------------------|---|---|---|-----------------------|---|---|---|-----------------------|---|---|---|--------------------|----------------------|---|---|---|------------------------|---|---|---|------------------|---|---|---|------------------|---|---|---|------------------|---|---|---|-----------------|---|---|---|-----------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|-------------------|---|---|---|-------------------|---|---|---|--|--|
|                    | (9 / 10)  |              |                 |                     |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                    | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">目 的</th> <th style="width: 60%;">対象パラメータ</th> <th style="width: 10%;">SPO<br/>パラメータ</th> <th style="width: 10%;">EBS 相当<br/>パラメータ</th> <th style="width: 10%;">バック<br/>アップ<br/>パラメータ</th> </tr> </thead> <tbody> <tr> <td rowspan="10">使用済燃料プールの状態確認</td> <td>使用済燃料プール水位・温度（ヒートサーモ式）<br/>[使用済燃料プール温度（燃料ラック上層-4,000mm）]</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td>使用済燃料プール水位・温度（ヒートサーモ式）<br/>[使用済燃料プール温度（プール表面付近）]</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td>使用済燃料プール水位／温度（ガイドパルス式）<br/>[使用済燃料プール水位（燃料ラック上層-4300mm～17300mm）]</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td>使用済燃料プール水位／温度（ガイドパルス式）<br/>[使用済燃料プール上層温度]</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td>使用済燃料プール水位／温度（ガイドパルス式）<br/>[使用済燃料プール下層温度]</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td>燃料プール上層空間放射線モニタ（放射線量）</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td>燃料プール上層空間放射線モニタ（放射線量）</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td>燃料プール上層空間放射線モニタ（放射線量）</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td>燃料プール上層空間放射線モニタ（放射線量）</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td>燃料プール上層空間放射線モニタ（放射線量）</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td rowspan="10">水素発生による格納容器の破損防止確認</td> <td>フェルト装置出口水素濃度（0～3.0％）</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td>フェルト装置出口水素濃度（0～1.0.0％）</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td>フェルト装置水位（A）（広帯域）</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td>フェルト装置水位（B）（広帯域）</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td>フェルト装置水位（C）（広帯域）</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td>フェルト装置入口圧力（広帯域）</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td>フェルト装置出口圧力（広帯域）</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td>フェルト装置水温度（A）</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td>フェルト装置水温度（B）</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td>フェルト装置水温度（C）</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td>フェルト装置出口放射線モニタ（A）</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> <tr> <td>フェルト装置出口放射線モニタ（B）</td> <td style="text-align: center;">○</td> <td style="text-align: center;">-</td> <td style="text-align: center;">○</td> </tr> </tbody> </table> | 目 的          | 対象パラメータ         | SPO<br>パラメータ        | EBS 相当<br>パラメータ | バック<br>アップ<br>パラメータ | 使用済燃料プールの状態確認 | 使用済燃料プール水位・温度（ヒートサーモ式）<br>[使用済燃料プール温度（燃料ラック上層-4,000mm）] | ○ | - | ○ | 使用済燃料プール水位・温度（ヒートサーモ式）<br>[使用済燃料プール温度（プール表面付近）] | ○ | - | ○ | 使用済燃料プール水位／温度（ガイドパルス式）<br>[使用済燃料プール水位（燃料ラック上層-4300mm～17300mm）] | ○ | - | ○ | 使用済燃料プール水位／温度（ガイドパルス式）<br>[使用済燃料プール上層温度] | ○ | - | ○ | 使用済燃料プール水位／温度（ガイドパルス式）<br>[使用済燃料プール下層温度] | ○ | - | ○ | 燃料プール上層空間放射線モニタ（放射線量） | ○ | - | ○ | 燃料プール上層空間放射線モニタ（放射線量） | ○ | - | ○ | 燃料プール上層空間放射線モニタ（放射線量） | ○ | - | ○ | 燃料プール上層空間放射線モニタ（放射線量） | ○ | - | ○ | 燃料プール上層空間放射線モニタ（放射線量） | ○ | - | ○ | 水素発生による格納容器の破損防止確認 | フェルト装置出口水素濃度（0～3.0％） | ○ | - | ○ | フェルト装置出口水素濃度（0～1.0.0％） | ○ | - | ○ | フェルト装置水位（A）（広帯域） | ○ | - | ○ | フェルト装置水位（B）（広帯域） | ○ | - | ○ | フェルト装置水位（C）（広帯域） | ○ | - | ○ | フェルト装置入口圧力（広帯域） | ○ | - | ○ | フェルト装置出口圧力（広帯域） | ○ | - | ○ | フェルト装置水温度（A） | ○ | - | ○ | フェルト装置水温度（B） | ○ | - | ○ | フェルト装置水温度（C） | ○ | - | ○ | フェルト装置出口放射線モニタ（A） | ○ | - | ○ | フェルト装置出口放射線モニタ（B） | ○ | - | ○ |  |  |
| 目 的                | 対象パラメータ   | SPO<br>パラメータ | EBS 相当<br>パラメータ | バック<br>アップ<br>パラメータ |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
| 使用済燃料プールの状態確認      | 使用済燃料プール水位・温度（ヒートサーモ式）<br>[使用済燃料プール温度（燃料ラック上層-4,000mm）]   | ○            | -               | ○                   |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                    | 使用済燃料プール水位・温度（ヒートサーモ式）<br>[使用済燃料プール温度（プール表面付近）]   | ○            | -               | ○                   |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                    | 使用済燃料プール水位／温度（ガイドパルス式）<br>[使用済燃料プール水位（燃料ラック上層-4300mm～17300mm）]  | ○            | -               | ○                   |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                    | 使用済燃料プール水位／温度（ガイドパルス式）<br>[使用済燃料プール上層温度]  | ○            | -               | ○                   |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                    | 使用済燃料プール水位／温度（ガイドパルス式）<br>[使用済燃料プール下層温度]  | ○            | -               | ○                   |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                    | 燃料プール上層空間放射線モニタ（放射線量）   | ○            | -               | ○                   |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                    | 燃料プール上層空間放射線モニタ（放射線量）   | ○            | -               | ○                   |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                    | 燃料プール上層空間放射線モニタ（放射線量）   | ○            | -               | ○                   |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                    | 燃料プール上層空間放射線モニタ（放射線量）   | ○            | -               | ○                   |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                    | 燃料プール上層空間放射線モニタ（放射線量）   | ○            | -               | ○                   |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
| 水素発生による格納容器の破損防止確認 | フェルト装置出口水素濃度（0～3.0％）  | ○            | -               | ○                   |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                    | フェルト装置出口水素濃度（0～1.0.0％）  | ○            | -               | ○                   |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                    | フェルト装置水位（A）（広帯域）  | ○            | -               | ○                   |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                    | フェルト装置水位（B）（広帯域）  | ○            | -               | ○                   |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                    | フェルト装置水位（C）（広帯域）  | ○            | -               | ○                   |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                    | フェルト装置入口圧力（広帯域）   | ○            | -               | ○                   |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                    | フェルト装置出口圧力（広帯域）   | ○            | -               | ○                   |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                    | フェルト装置水温度（A）  | ○            | -               | ○                   |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                    | フェルト装置水温度（B）  | ○            | -               | ○                   |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                    | フェルト装置水温度（C）  | ○            | -               | ○                   |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
| フェルト装置出口放射線モニタ（A）  | ○   | -            | ○               |                     |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
| フェルト装置出口放射線モニタ（B）  | ○   | -            | ○               |                     |                 |                     |               |   |   |   |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                       |   |   |   |                    |                      |   |   |   |                        |   |   |   |                  |   |   |   |                  |   |   |   |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉      | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉    | 相違理由            |                       |                 |                       |                     |  |   |   |   |  |   |   |   |                          |   |   |   |                        |   |   |   |                     |   |   |   |                         |   |   |   |                  |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |  |  |
|---------------------|--|--------------|-----------------|-----------------------|-----------------|-----------------------|---------------------|--|---|---|---|--|---|---|---|--------------------------|---|---|---|------------------------|---|---|---|---------------------|---|---|---|-------------------------|---|---|---|------------------|---|---|---|---------------------------|---|---|---|---------------------------|---|---|---|---------------------------|---|---|---|---------------------------|---|---|---|----------------------------|---|---|---|----------------------------|---|---|---|----------------------------|---|---|---|----------------------------|---|---|---|--|--|
|                     | (10/10)  |              |                 |                       |                 |                       |                     |  |   |   |   |  |   |   |   |                          |   |   |   |                        |   |   |   |                     |   |   |   |                         |   |   |   |                  |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |  |  |
|                     | <table border="1"> <thead> <tr> <th>目 的</th> <th>対象パラメータ</th> <th>SFB<br/>パラメータ</th> <th>EES 伝送<br/>パラメータ</th> <th>バック<br/>アップ対象<br/>パラメータ</th> </tr> </thead> <tbody> <tr> <td rowspan="17">本業種業による原子炉建物の異常停止機能</td> <td>原子炉建屋内水素濃度<br/>〔原子炉建屋オペレーティングフロア水素濃度 A〕</td> <td>○</td> <td>—</td> <td>○</td> </tr> <tr> <td>原子炉建屋内水素濃度<br/>〔原子炉建屋オペレーティングフロア水素濃度 B〕</td> <td>○</td> <td>—</td> <td>○</td> </tr> <tr> <td>原子炉建屋内水素濃度〔バルブマニピュレーション〕</td> <td>○</td> <td>—</td> <td>○</td> </tr> <tr> <td>原子炉建屋内水素濃度〔所員用エアロック前室〕</td> <td>○</td> <td>—</td> <td>○</td> </tr> <tr> <td>原子炉建屋内水素濃度〔C 区口補修室〕</td> <td>○</td> <td>—</td> <td>○</td> </tr> <tr> <td>原子炉建屋内水素濃度〔貯蔵ベネトレーション室〕</td> <td>○</td> <td>—</td> <td>○</td> </tr> <tr> <td>原子炉建屋内水素濃度〔トラス室〕</td> <td>○</td> <td>—</td> <td>○</td> </tr> <tr> <td>静的触媒式水素再結合装置 1 動作監視装置入口流量</td> <td>○</td> <td>—</td> <td>○</td> </tr> <tr> <td>静的触媒式水素再結合装置 1 動作監視装置出口流量</td> <td>○</td> <td>—</td> <td>○</td> </tr> <tr> <td>静的触媒式水素再結合装置 8 動作監視装置入口流量</td> <td>○</td> <td>—</td> <td>○</td> </tr> <tr> <td>静的触媒式水素再結合装置 8 動作監視装置出口流量</td> <td>○</td> <td>—</td> <td>○</td> </tr> <tr> <td>静的触媒式水素再結合装置 12 動作監視装置入口流量</td> <td>○</td> <td>—</td> <td>○</td> </tr> <tr> <td>静的触媒式水素再結合装置 12 動作監視装置出口流量</td> <td>○</td> <td>—</td> <td>○</td> </tr> <tr> <td>静的触媒式水素再結合装置 19 動作監視装置入口流量</td> <td>○</td> <td>—</td> <td>○</td> </tr> <tr> <td>静的触媒式水素再結合装置 19 動作監視装置出口流量</td> <td>○</td> <td>—</td> <td>○</td> </tr> </tbody> </table> | 目 的          | 対象パラメータ         | SFB<br>パラメータ          | EES 伝送<br>パラメータ | バック<br>アップ対象<br>パラメータ | 本業種業による原子炉建物の異常停止機能 | 原子炉建屋内水素濃度<br>〔原子炉建屋オペレーティングフロア水素濃度 A〕 | ○ | — | ○ | 原子炉建屋内水素濃度<br>〔原子炉建屋オペレーティングフロア水素濃度 B〕 | ○ | — | ○ | 原子炉建屋内水素濃度〔バルブマニピュレーション〕 | ○ | — | ○ | 原子炉建屋内水素濃度〔所員用エアロック前室〕 | ○ | — | ○ | 原子炉建屋内水素濃度〔C 区口補修室〕 | ○ | — | ○ | 原子炉建屋内水素濃度〔貯蔵ベネトレーション室〕 | ○ | — | ○ | 原子炉建屋内水素濃度〔トラス室〕 | ○ | — | ○ | 静的触媒式水素再結合装置 1 動作監視装置入口流量 | ○ | — | ○ | 静的触媒式水素再結合装置 1 動作監視装置出口流量 | ○ | — | ○ | 静的触媒式水素再結合装置 8 動作監視装置入口流量 | ○ | — | ○ | 静的触媒式水素再結合装置 8 動作監視装置出口流量 | ○ | — | ○ | 静的触媒式水素再結合装置 12 動作監視装置入口流量 | ○ | — | ○ | 静的触媒式水素再結合装置 12 動作監視装置出口流量 | ○ | — | ○ | 静的触媒式水素再結合装置 19 動作監視装置入口流量 | ○ | — | ○ | 静的触媒式水素再結合装置 19 動作監視装置出口流量 | ○ | — | ○ |  |  |
| 目 的                 | 対象パラメータ  | SFB<br>パラメータ | EES 伝送<br>パラメータ | バック<br>アップ対象<br>パラメータ |                 |                       |                     |  |   |   |   |  |   |   |   |                          |   |   |   |                        |   |   |   |                     |   |   |   |                         |   |   |   |                  |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |  |  |
| 本業種業による原子炉建物の異常停止機能 | 原子炉建屋内水素濃度<br>〔原子炉建屋オペレーティングフロア水素濃度 A〕   | ○            | —               | ○                     |                 |                       |                     |  |   |   |   |  |   |   |   |                          |   |   |   |                        |   |   |   |                     |   |   |   |                         |   |   |   |                  |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |  |  |
|                     | 原子炉建屋内水素濃度<br>〔原子炉建屋オペレーティングフロア水素濃度 B〕   | ○            | —               | ○                     |                 |                       |                     |  |   |   |   |  |   |   |   |                          |   |   |   |                        |   |   |   |                     |   |   |   |                         |   |   |   |                  |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |  |  |
|                     | 原子炉建屋内水素濃度〔バルブマニピュレーション〕   | ○            | —               | ○                     |                 |                       |                     |  |   |   |   |  |   |   |   |                          |   |   |   |                        |   |   |   |                     |   |   |   |                         |   |   |   |                  |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |  |  |
|                     | 原子炉建屋内水素濃度〔所員用エアロック前室〕   | ○            | —               | ○                     |                 |                       |                     |  |   |   |   |  |   |   |   |                          |   |   |   |                        |   |   |   |                     |   |   |   |                         |   |   |   |                  |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |  |  |
|                     | 原子炉建屋内水素濃度〔C 区口補修室〕  | ○            | —               | ○                     |                 |                       |                     |  |   |   |   |  |   |   |   |                          |   |   |   |                        |   |   |   |                     |   |   |   |                         |   |   |   |                  |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |  |  |
|                     | 原子炉建屋内水素濃度〔貯蔵ベネトレーション室〕  | ○            | —               | ○                     |                 |                       |                     |  |   |   |   |  |   |   |   |                          |   |   |   |                        |   |   |   |                     |   |   |   |                         |   |   |   |                  |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |  |  |
|                     | 原子炉建屋内水素濃度〔トラス室〕   | ○            | —               | ○                     |                 |                       |                     |  |   |   |   |  |   |   |   |                          |   |   |   |                        |   |   |   |                     |   |   |   |                         |   |   |   |                  |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |  |  |
|                     | 静的触媒式水素再結合装置 1 動作監視装置入口流量  | ○            | —               | ○                     |                 |                       |                     |  |   |   |   |  |   |   |   |                          |   |   |   |                        |   |   |   |                     |   |   |   |                         |   |   |   |                  |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |  |  |
|                     | 静的触媒式水素再結合装置 1 動作監視装置出口流量  | ○            | —               | ○                     |                 |                       |                     |  |   |   |   |  |   |   |   |                          |   |   |   |                        |   |   |   |                     |   |   |   |                         |   |   |   |                  |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |  |  |
|                     | 静的触媒式水素再結合装置 8 動作監視装置入口流量  | ○            | —               | ○                     |                 |                       |                     |  |   |   |   |  |   |   |   |                          |   |   |   |                        |   |   |   |                     |   |   |   |                         |   |   |   |                  |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |  |  |
|                     | 静的触媒式水素再結合装置 8 動作監視装置出口流量  | ○            | —               | ○                     |                 |                       |                     |  |   |   |   |  |   |   |   |                          |   |   |   |                        |   |   |   |                     |   |   |   |                         |   |   |   |                  |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |  |  |
|                     | 静的触媒式水素再結合装置 12 動作監視装置入口流量   | ○            | —               | ○                     |                 |                       |                     |  |   |   |   |  |   |   |   |                          |   |   |   |                        |   |   |   |                     |   |   |   |                         |   |   |   |                  |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |  |  |
|                     | 静的触媒式水素再結合装置 12 動作監視装置出口流量   | ○            | —               | ○                     |                 |                       |                     |  |   |   |   |  |   |   |   |                          |   |   |   |                        |   |   |   |                     |   |   |   |                         |   |   |   |                  |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |  |  |
|                     | 静的触媒式水素再結合装置 19 動作監視装置入口流量   | ○            | —               | ○                     |                 |                       |                     |  |   |   |   |  |   |   |   |                          |   |   |   |                        |   |   |   |                     |   |   |   |                         |   |   |   |                  |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |  |  |
|                     | 静的触媒式水素再結合装置 19 動作監視装置出口流量   | ○            | —               | ○                     |                 |                       |                     |  |   |   |   |  |   |   |   |                          |   |   |   |                        |   |   |   |                     |   |   |   |                         |   |   |   |                  |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |                            |   |   |   |  |  |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉           | 相違理由                          |                              |                    |                    |       |            |           |        |       |            |        |        |  |                               |  |                               |        |        |         |       |       |         |           |       |      |         |   |        |      |                     |                   |       |                |        |           |       |                  |        |         |  |                              |  |  |                              |  |  |        |        |     |        |        |     |          |       |        |     |       |        |       |   |
|----------------|--|---------------------|-------------------------------|------------------------------|--------------------|--------------------|-------|------------|-----------|--------|-------|------------|--------|--------|--|-------------------------------|--|-------------------------------|--------|--------|---------|-------|-------|---------|-----------|-------|------|---------|---|--------|------|---------------------|-------------------|-------|----------------|--------|-----------|-------|------------------|--------|---------|--|------------------------------|--|--|------------------------------|--|--|--------|--------|-----|--------|--------|-----|----------|-------|--------|-----|-------|--------|-------|---|
|                | <p>○安全パラメータ表示システム (SPDS) の容量について<br/>                     安全パラメータ表示システム (SPDS) のデータ伝送容量は今後のプラントパラメータの追加を考慮し、第62-6-5表に示すとおり、回線容量は必要回線容量に対し余裕を持った設計としている。</p> <p>また、安全パラメータ表示システム (SPDS) のデータ表示機能は、今後のプラントパラメータの追加を考慮し、第62-6-6表に示すとおり、表示可能なプラントパラメータ数は必要なプラントパラメータ数に対し余裕を持った設計とするとともに、データ伝送設備及びSPDS伝送装置のソフトウェアを改造することにより拡張可能な設計としている。</p> <p>第 62-6-5 表 安全パラメータ表示システム (SPDS) のデータ伝送容量</p> <table border="1" data-bbox="698 539 1216 671"> <thead> <tr> <th rowspan="2">通信回線種別</th> <th rowspan="2">建屋間におけるデータ伝送路</th> <th>必要回線容量<sup>※1</sup></th> <th rowspan="2">回線容量<sup>※1</sup></th> </tr> <tr> <th>データ伝送</th> </tr> </thead> <tbody> <tr> <td>有線系回線</td> <td>2号炉～緊急時対策所</td> <td>6,252kbps</td> <td>10Gbps</td> </tr> <tr> <td>無線系回線</td> <td>2号炉～緊急時対策所</td> <td>21kbps</td> <td>20Mbps</td> </tr> </tbody> </table> <p><small>※1：各容量については、今後の詳細設計により、変更となる可能性がある。</small></p> <p>第 62-6-6 表 安全パラメータ表示システム (SPDS) のデータ表示に係る容量</p> <table border="1" data-bbox="674 724 1218 887"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">必要となるプラントパラメータ数<sup>※1</sup></th> <th rowspan="2">表示可能なプラントパラメータ数<sup>※1</sup></th> </tr> <tr> <th>アナログ信号</th> <th>デジタル信号</th> </tr> </thead> <tbody> <tr> <td>データ収集装置</td> <td>310 点</td> <td>190 点</td> <td>1,000 点</td> </tr> <tr> <td>SPDS 伝送装置</td> <td>111 点</td> <td>78 点</td> <td>4,000 点</td> </tr> </tbody> </table> <p><small>※1：各容量については、今後の詳細設計により、変更となる可能性がある。</small></p> | 通信回線種別              | 建屋間におけるデータ伝送路                 | 必要回線容量 <sup>※1</sup>         | 回線容量 <sup>※1</sup> | データ伝送              | 有線系回線 | 2号炉～緊急時対策所 | 6,252kbps | 10Gbps | 無線系回線 | 2号炉～緊急時対策所 | 21kbps | 20Mbps |  | 必要となるプラントパラメータ数 <sup>※1</sup> |  | 表示可能なプラントパラメータ数 <sup>※1</sup> | アナログ信号 | デジタル信号 | データ収集装置 | 310 点 | 190 点 | 1,000 点 | SPDS 伝送装置 | 111 点 | 78 点 | 4,000 点 | <p>○データ伝送設備 (発電所内) の容量について<br/>                     データ伝送設備 (発電所内) のデータ伝送容量は今後のプラントパラメータの追加を考慮し、第62-5-5表に示すとおり、回線容量は必要回線容量に対し余裕を持った設計としている。</p> <p>また、データ伝送設備 (発電所内) のデータ表示機能は、今後のプラントパラメータの追加を考慮し、第62-5-6表に示すとおり、表示可能なプラントパラメータ数は必要なプラントパラメータ数に対し余裕を持った設計とするとともに、データ収集計算機のソフトウェアを改造することにより拡張可能な設計としている。</p> <p>第 62-5-5 表 データ伝送設備 (発電所内) のデータ表示機能の拡張性について</p> <table border="1" data-bbox="1261 603 1800 679"> <thead> <tr> <th>通信回線種別</th> <th>伝送経路</th> <th>必要回線容量<sup>※</sup></th> <th>回線容量<sup>※</sup></th> </tr> </thead> <tbody> <tr> <td>有線系回線</td> <td>3号原子炉建屋～緊急時対策所</td> <td>67Mbps</td> <td>1,000Mbps</td> </tr> <tr> <td>無線系回線</td> <td>3号原子炉建屋屋上～緊急時対策所</td> <td>67Mbps</td> <td>100Mbps</td> </tr> </tbody> </table> <p><small>※各容量については、今後の詳細設計により、変更となる可能性がある。</small></p> <p>第 62-5-6 表 データ伝送設備 (発電所内) のデータ表示に係る容量</p> <table border="1" data-bbox="1261 746 1800 823"> <thead> <tr> <th rowspan="3"></th> <th colspan="3">必要となるプラントパラメータ数<sup>※</sup></th> <th colspan="3">表示可能なプラントパラメータ数<sup>※</sup></th> </tr> <tr> <th>アナログ信号</th> <th>デジタル信号</th> <th>計算値</th> <th>アナログ信号</th> <th>デジタル信号</th> <th>計算値</th> </tr> </thead> <tbody> <tr> <td>データ収集計算機</td> <td>7,615</td> <td>19,622</td> <td>772</td> <td>9,983</td> <td>31,839</td> <td>1,999</td> </tr> </tbody> </table> <p><small>※各容量については、今後の詳細設計により、変更となる可能性がある。</small></p> | 通信回線種別 | 伝送経路 | 必要回線容量 <sup>※</sup> | 回線容量 <sup>※</sup> | 有線系回線 | 3号原子炉建屋～緊急時対策所 | 67Mbps | 1,000Mbps | 無線系回線 | 3号原子炉建屋屋上～緊急時対策所 | 67Mbps | 100Mbps |  | 必要となるプラントパラメータ数 <sup>※</sup> |  |  | 表示可能なプラントパラメータ数 <sup>※</sup> |  |  | アナログ信号 | デジタル信号 | 計算値 | アナログ信号 | デジタル信号 | 計算値 | データ収集計算機 | 7,615 | 19,622 | 772 | 9,983 | 31,839 | 1,999 | <p>【大飯】記載方針の相違（女川審査実績の反映）</p> <p>【女川】設計の相違2-2⑩記載のとおり。</p> |
| 通信回線種別         | 建屋間におけるデータ伝送路  |                     |                               | 必要回線容量 <sup>※1</sup>         |                    | 回線容量 <sup>※1</sup> |       |            |           |        |       |            |        |        |  |                               |  |                               |        |        |         |       |       |         |           |       |      |         |   |        |      |                     |                   |       |                |        |           |       |                  |        |         |  |                              |  |  |                              |  |  |        |        |     |        |        |     |          |       |        |     |       |        |       |   |
|                |  | データ伝送               |                               |                              |                    |                    |       |            |           |        |       |            |        |        |  |                               |  |                               |        |        |         |       |       |         |           |       |      |         |   |        |      |                     |                   |       |                |        |           |       |                  |        |         |  |                              |  |  |                              |  |  |        |        |     |        |        |     |          |       |        |     |       |        |       |   |
| 有線系回線          | 2号炉～緊急時対策所   | 6,252kbps           | 10Gbps                        |                              |                    |                    |       |            |           |        |       |            |        |        |  |                               |  |                               |        |        |         |       |       |         |           |       |      |         |   |        |      |                     |                   |       |                |        |           |       |                  |        |         |  |                              |  |  |                              |  |  |        |        |     |        |        |     |          |       |        |     |       |        |       |   |
| 無線系回線          | 2号炉～緊急時対策所   | 21kbps              | 20Mbps                        |                              |                    |                    |       |            |           |        |       |            |        |        |  |                               |  |                               |        |        |         |       |       |         |           |       |      |         |   |        |      |                     |                   |       |                |        |           |       |                  |        |         |  |                              |  |  |                              |  |  |        |        |     |        |        |     |          |       |        |     |       |        |       |   |
|                | 必要となるプラントパラメータ数 <sup>※1</sup>  |                     | 表示可能なプラントパラメータ数 <sup>※1</sup> |                              |                    |                    |       |            |           |        |       |            |        |        |  |                               |  |                               |        |        |         |       |       |         |           |       |      |         |   |        |      |                     |                   |       |                |        |           |       |                  |        |         |  |                              |  |  |                              |  |  |        |        |     |        |        |     |          |       |        |     |       |        |       |   |
|                | アナログ信号   | デジタル信号              |                               |                              |                    |                    |       |            |           |        |       |            |        |        |  |                               |  |                               |        |        |         |       |       |         |           |       |      |         |   |        |      |                     |                   |       |                |        |           |       |                  |        |         |  |                              |  |  |                              |  |  |        |        |     |        |        |     |          |       |        |     |       |        |       |   |
| データ収集装置        | 310 点  | 190 点               | 1,000 点                       |                              |                    |                    |       |            |           |        |       |            |        |        |  |                               |  |                               |        |        |         |       |       |         |           |       |      |         |   |        |      |                     |                   |       |                |        |           |       |                  |        |         |  |                              |  |  |                              |  |  |        |        |     |        |        |     |          |       |        |     |       |        |       |   |
| SPDS 伝送装置      | 111 点  | 78 点                | 4,000 点                       |                              |                    |                    |       |            |           |        |       |            |        |        |  |                               |  |                               |        |        |         |       |       |         |           |       |      |         |   |        |      |                     |                   |       |                |        |           |       |                  |        |         |  |                              |  |  |                              |  |  |        |        |     |        |        |     |          |       |        |     |       |        |       |   |
| 通信回線種別         | 伝送経路   | 必要回線容量 <sup>※</sup> | 回線容量 <sup>※</sup>             |                              |                    |                    |       |            |           |        |       |            |        |        |  |                               |  |                               |        |        |         |       |       |         |           |       |      |         |   |        |      |                     |                   |       |                |        |           |       |                  |        |         |  |                              |  |  |                              |  |  |        |        |     |        |        |     |          |       |        |     |       |        |       |   |
| 有線系回線          | 3号原子炉建屋～緊急時対策所   | 67Mbps              | 1,000Mbps                     |                              |                    |                    |       |            |           |        |       |            |        |        |  |                               |  |                               |        |        |         |       |       |         |           |       |      |         |   |        |      |                     |                   |       |                |        |           |       |                  |        |         |  |                              |  |  |                              |  |  |        |        |     |        |        |     |          |       |        |     |       |        |       |   |
| 無線系回線          | 3号原子炉建屋屋上～緊急時対策所   | 67Mbps              | 100Mbps                       |                              |                    |                    |       |            |           |        |       |            |        |        |  |                               |  |                               |        |        |         |       |       |         |           |       |      |         |   |        |      |                     |                   |       |                |        |           |       |                  |        |         |  |                              |  |  |                              |  |  |        |        |     |        |        |     |          |       |        |     |       |        |       |   |
|                | 必要となるプラントパラメータ数 <sup>※</sup>   |                     |                               | 表示可能なプラントパラメータ数 <sup>※</sup> |                    |                    |       |            |           |        |       |            |        |        |  |                               |  |                               |        |        |         |       |       |         |           |       |      |         |   |        |      |                     |                   |       |                |        |           |       |                  |        |         |  |                              |  |  |                              |  |  |        |        |     |        |        |     |          |       |        |     |       |        |       |   |
|                | アナログ信号   | デジタル信号              | 計算値                           | アナログ信号                       | デジタル信号             | 計算値                |       |            |           |        |       |            |        |        |  |                               |  |                               |        |        |         |       |       |         |           |       |      |         |   |        |      |                     |                   |       |                |        |           |       |                  |        |         |  |                              |  |  |                              |  |  |        |        |     |        |        |     |          |       |        |     |       |        |       |   |
|                | データ収集計算機   | 7,615               | 19,622                        | 772                          | 9,983              | 31,839             | 1,999 |            |           |        |       |            |        |        |  |                               |  |                               |        |        |         |       |       |         |           |       |      |         |   |        |      |                     |                   |       |                |        |           |       |                  |        |         |  |                              |  |  |                              |  |  |        |        |     |        |        |     |          |       |        |     |       |        |       |   |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

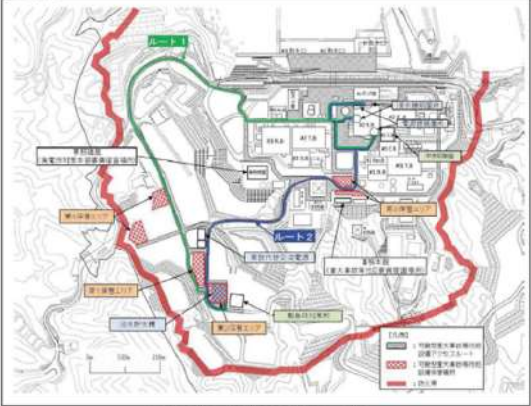
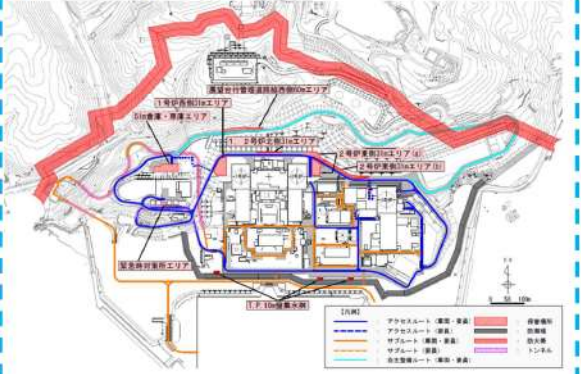
| 大飯発電所 3 / 4 号炉                         | 女川原子力発電所 2 号炉   | 泊発電所 3 号炉                                   | 相違理由                          |                             |         |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|--|---|---|-------------------------------|-----------------------------|---------|---------|------|------|------------------|------------------|-------------------|-------|---|---------|---------|---------|---------|---------------------------|--------|-------|---|---------|--------|--------|---------------------------|--------|--------|--------|-------------|-------|-------------|------|---|------|------|---------------------------|--------|---|--------|--------|--|-------|---------------------------------|--------------------|---|---------|-------|--------|-----------|-----------|-----------|---------------------------|--------|-------|---------------------------------|--------------------|---|---------|-------|--------|-----------|-----------|-----------|---------------------------|--------|--|--------|------|--------|--|------|------|-----------------|-------------------|-------|------------------------------|----------|-----------------------------|---------|------------|----------|-----|----------|-------|---------------|---------|---------|------------------------------|----------|-----------------------------|------------|----------|-----|----------|-----------------|-------|-------------|------|------|------|-------------|------|------|------|-----------------|-------------|-------|-------|-------|--------------|-----------|---------------------------|--------|--|-------|---------------------------------|-----------------------------|----------------------------|-------|-----------|-----------|-------|---------------|---------|---------|---------------------------------|-------------------------------|---------|---------|---------------|--|--|--|--|---------|---------|-------------------------------|
|  | <p>重大事故等が発生した場合において使用する通信連絡設備（発電所外）及びデータ伝送設備が接続する通信回線は、第 62-6-7 表に示すとおり、必要回線容量を確保した回線容量を有している。</p> <p>第 62-6-7 表 通信連絡設備（発電所外）及びデータ伝送設備が接続する通信回線の回線容量</p> <table border="1" data-bbox="689 363 1211 722"> <thead> <tr> <th rowspan="2">通信回線種別</th> <th rowspan="2">主要設備</th> <th colspan="3">必要回線容量<sup>※</sup></th> <th rowspan="2">回線容量</th> </tr> <tr> <th>主要設備</th> <th>予備<sup>※1</sup></th> <th>予備<sup>※2</sup></th> </tr> </thead> <tbody> <tr> <td rowspan="4">電力保安<br/>通信用<br/>回線</td> <td rowspan="2">有線系回線</td> <td>電力保安通信用電話設備<sup>※</sup><br/>（固定電話機、FAX、FAX）</td> <td>2.3Mbps</td> <td rowspan="2">313Mbps</td> <td rowspan="2">320Mbps</td> <td rowspan="4">600Mbps</td> </tr> <tr> <td>データ伝送設備<br/>（IP 電話、IP-FAX）</td> <td>10Mbps</td> </tr> <tr> <td rowspan="2">無線系回線</td> <td>電力保安通信用電話設備<sup>※</sup><br/>（固定電話機、FAX、FAX）</td> <td>1.6Mbps</td> <td>10Mbps</td> <td>12Mbps</td> </tr> <tr> <td>データ伝送設備<br/>（IP 電話、IP-FAX）</td> <td>84Mbps</td> <td>10Mbps</td> <td>12Mbps</td> </tr> <tr> <td rowspan="2">通信事業者<br/>回線</td> <td rowspan="2">衛星系回線</td> <td>衛星電話設備（固定型）</td> <td>4 回線</td> <td>—</td> <td>4 回線</td> <td>1 回線</td> </tr> <tr> <td>データ伝送設備<br/>（IP 電話、IP-FAX）</td> <td>84Mbps</td> <td>—</td> <td>84Mbps</td> <td>12Mbps</td> </tr> <tr> <td rowspan="8">通信事業者<br/>回線<br/>（統合原子力<br/>防災ネット<br/>ワーク）</td> <td rowspan="4">有線系回線</td> <td>統合原子力防災<br/>ネットワークを用<br/>いた通信連絡設備</td> <td>IP 電話<br/>（400Mbps）</td> <td rowspan="4">—</td> <td rowspan="4">2.3Mbps</td> <td rowspan="4">3Mbps</td> </tr> <tr> <td>IP-FAX</td> <td>（250Mbps）</td> </tr> <tr> <td>テレビ会議システム</td> <td>（1.7Mbps）</td> </tr> <tr> <td>データ伝送設備<br/>（IP 電話、IP-FAX）</td> <td>84Mbps</td> </tr> <tr> <td rowspan="4">衛星系回線</td> <td>統合原子力防災<br/>ネットワークを用<br/>いた通信連絡設備</td> <td>IP 電話<br/>（400Mbps）</td> <td rowspan="4">—</td> <td rowspan="4">250Mbps</td> <td rowspan="4">3Mbps</td> </tr> <tr> <td>IP-FAX</td> <td>（250Mbps）</td> </tr> <tr> <td>テレビ会議システム</td> <td>（1.7Mbps）</td> </tr> <tr> <td>データ伝送設備<br/>（IP 電話、IP-FAX）</td> <td>84Mbps</td> </tr> </tbody> </table> <p>各容量については、今後の詳細設計により、変更となる可能性がある。</p> <p>※ 1：回線加入電話設備に接続されており、通信事業者回線を經由して発電所外への連絡も可能。<br/>         ※ 2：() は内訳を示す。<br/>         ※ 3：その総容量は、実際データも含まれていることから、小さな変動の可能性がある。</p> | 通信回線種別                                      | 主要設備                          | 必要回線容量 <sup>※</sup>         |         |         | 回線容量 | 主要設備 | 予備 <sup>※1</sup> | 予備 <sup>※2</sup> | 電力保安<br>通信用<br>回線 | 有線系回線 | 電力保安通信用電話設備 <sup>※</sup><br>（固定電話機、FAX、FAX） | 2.3Mbps | 313Mbps | 320Mbps | 600Mbps | データ伝送設備<br>（IP 電話、IP-FAX） | 10Mbps | 無線系回線 | 電力保安通信用電話設備 <sup>※</sup><br>（固定電話機、FAX、FAX） | 1.6Mbps | 10Mbps | 12Mbps | データ伝送設備<br>（IP 電話、IP-FAX） | 84Mbps | 10Mbps | 12Mbps | 通信事業者<br>回線 | 衛星系回線 | 衛星電話設備（固定型） | 4 回線 | — | 4 回線 | 1 回線 | データ伝送設備<br>（IP 電話、IP-FAX） | 84Mbps | — | 84Mbps | 12Mbps | 通信事業者<br>回線<br>（統合原子力<br>防災ネット<br>ワーク） | 有線系回線 | 統合原子力防災<br>ネットワークを用<br>いた通信連絡設備 | IP 電話<br>（400Mbps） | — | 2.3Mbps | 3Mbps | IP-FAX | （250Mbps） | テレビ会議システム | （1.7Mbps） | データ伝送設備<br>（IP 電話、IP-FAX） | 84Mbps | 衛星系回線 | 統合原子力防災<br>ネットワークを用<br>いた通信連絡設備 | IP 電話<br>（400Mbps） | — | 250Mbps | 3Mbps | IP-FAX | （250Mbps） | テレビ会議システム | （1.7Mbps） | データ伝送設備<br>（IP 電話、IP-FAX） | 84Mbps | <p>重大事故等が発生した場合において使用する通信連絡設備（発電所外）及びデータ伝送設備（発電所外）が接続する通信回線は、第 62-5-7 表に示すとおり、必要回線容量を確保した回線容量を有している。</p> <p>第 62-5-7 表 通信連絡設備（発電所外）及びデータ伝送設備（発電所外）が接続する通信回線の回線容量</p> <table border="1" data-bbox="1256 368 1809 767"> <thead> <tr> <th rowspan="2">通信回線種別</th> <th rowspan="2">主要設備</th> <th colspan="2">必要回線容量</th> <th rowspan="2">回線容量</th> </tr> <tr> <th>主要設備</th> <th>予備<sup>※</sup></th> </tr> </thead> <tbody> <tr> <td rowspan="6">電力保安<br/>通信用<br/>回線</td> <td rowspan="3">有線系回線</td> <td>電力保安通信用<br/>電話設備<sup>※</sup></td> <td>（64kbps）</td> <td rowspan="3">64kbps × 12 回線<br/>= 768kbps</td> <td rowspan="6">600Mbps</td> </tr> <tr> <td>（保安電話（固定））</td> <td>（64kbps）</td> </tr> <tr> <td>FAX</td> <td>（64kbps）</td> </tr> <tr> <td rowspan="3">無線系回線</td> <td>データ伝送設備（発電所外）</td> <td>4.4kbps</td> <td>4.4kbps</td> </tr> <tr> <td>電力保安通信用<br/>電話設備<sup>※</sup></td> <td>（64kbps）</td> <td rowspan="3">64kbps × 12 回線<br/>= 768kbps</td> </tr> <tr> <td>（保安電話（固定））</td> <td>（64kbps）</td> </tr> <tr> <td>FAX</td> <td>（64kbps）</td> </tr> <tr> <td rowspan="4">通信<br/>事業者<br/>回線</td> <td rowspan="2">衛星系回線</td> <td>衛星電話設備（固定型）</td> <td>3 回線</td> <td>3 回線</td> <td>3 回線</td> </tr> <tr> <td>衛星電話設備（FAX）</td> <td>1 回線</td> <td>1 回線</td> <td>1 回線</td> </tr> <tr> <td rowspan="2">電力保安通信用電話<br/>設備</td> <td>衛星電話設備（携帯型）</td> <td>10 回線</td> <td>10 回線</td> <td>15 回線</td> </tr> <tr> <td>衛星保安電話<br/>設備</td> <td>32kbps/回線</td> <td>32kbps × 1 回線<br/>= 32kbps</td> <td>32kbps</td> </tr> <tr> <td rowspan="4">通信事業者<br/>回線<br/>（統合原子力<br/>防災ネット<br/>ワーク）</td> <td rowspan="2">有線系回線</td> <td>統合原子力防災ネット<br/>ワークを用いた<br/>通信連絡設備</td> <td>IP 電話<br/>（400kbps/回）<br/>※ 3</td> <td rowspan="2">2.4Mbps × ※ 3<br/>= 7.2Mbps</td> <td rowspan="2">3Mbps</td> </tr> <tr> <td>テレビ会議システム</td> <td>2.000kbps</td> </tr> <tr> <td rowspan="2">衛星系回線</td> <td>データ伝送設備（発電所外）</td> <td>4.4kbps</td> <td>4.4kbps</td> </tr> <tr> <td>統合原子力防災ネット<br/>ワークを用いた<br/>通信連絡設備</td> <td>IP 電話<br/>（50kbps/回）<br/>12Mbps</td> <td>210Mbps</td> <td>384kbps</td> </tr> <tr> <td colspan="5">データ伝送設備（発電所外）</td> <td>4.4kbps</td> <td>4.4kbps</td> </tr> </tbody> </table> <p>各容量については、今後の詳細設計により、変更となる可能性がある。</p> <p>※ 1：加入電話設備に接続されており、通信事業者回線を經由して発電所外への連絡も可能。<br/>         ※ 2：() は内訳を示す。<br/>         ※ 3：帯域優先度が低いため、5Mbps までの空き帯域で通信する。</p> | 通信回線種別 | 主要設備 | 必要回線容量 |  | 回線容量 | 主要設備 | 予備 <sup>※</sup> | 電力保安<br>通信用<br>回線 | 有線系回線 | 電力保安通信用<br>電話設備 <sup>※</sup> | （64kbps） | 64kbps × 12 回線<br>= 768kbps | 600Mbps | （保安電話（固定）） | （64kbps） | FAX | （64kbps） | 無線系回線 | データ伝送設備（発電所外） | 4.4kbps | 4.4kbps | 電力保安通信用<br>電話設備 <sup>※</sup> | （64kbps） | 64kbps × 12 回線<br>= 768kbps | （保安電話（固定）） | （64kbps） | FAX | （64kbps） | 通信<br>事業者<br>回線 | 衛星系回線 | 衛星電話設備（固定型） | 3 回線 | 3 回線 | 3 回線 | 衛星電話設備（FAX） | 1 回線 | 1 回線 | 1 回線 | 電力保安通信用電話<br>設備 | 衛星電話設備（携帯型） | 10 回線 | 10 回線 | 15 回線 | 衛星保安電話<br>設備 | 32kbps/回線 | 32kbps × 1 回線<br>= 32kbps | 32kbps | 通信事業者<br>回線<br>（統合原子力<br>防災ネット<br>ワーク） | 有線系回線 | 統合原子力防災ネット<br>ワークを用いた<br>通信連絡設備 | IP 電話<br>（400kbps/回）<br>※ 3 | 2.4Mbps × ※ 3<br>= 7.2Mbps | 3Mbps | テレビ会議システム | 2.000kbps | 衛星系回線 | データ伝送設備（発電所外） | 4.4kbps | 4.4kbps | 統合原子力防災ネット<br>ワークを用いた<br>通信連絡設備 | IP 電話<br>（50kbps/回）<br>12Mbps | 210Mbps | 384kbps | データ伝送設備（発電所外） |  |  |  |  | 4.4kbps | 4.4kbps | <p>【大飯】記載方針の相違（女川審査実績の反映）</p> |
| 通信回線種別                                 | 主要設備  |   |                               | 必要回線容量 <sup>※</sup>         |         |         |      | 回線容量 |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  |   | 主要設備  | 予備 <sup>※1</sup>              | 予備 <sup>※2</sup>            |         |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
| 電力保安<br>通信用<br>回線                      | 有線系回線   | 電力保安通信用電話設備 <sup>※</sup><br>（固定電話機、FAX、FAX） | 2.3Mbps                       | 313Mbps                     | 320Mbps | 600Mbps |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  |   | データ伝送設備<br>（IP 電話、IP-FAX）                   | 10Mbps                        |                             |         |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  | 無線系回線   | 電力保安通信用電話設備 <sup>※</sup><br>（固定電話機、FAX、FAX） | 1.6Mbps                       | 10Mbps                      | 12Mbps  |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  |   | データ伝送設備<br>（IP 電話、IP-FAX）                   | 84Mbps                        | 10Mbps                      | 12Mbps  |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
| 通信事業者<br>回線                            | 衛星系回線   | 衛星電話設備（固定型）                                 | 4 回線                          | —                           | 4 回線    | 1 回線    |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  |   | データ伝送設備<br>（IP 電話、IP-FAX）                   | 84Mbps                        | —                           | 84Mbps  | 12Mbps  |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
| 通信事業者<br>回線<br>（統合原子力<br>防災ネット<br>ワーク） | 有線系回線   | 統合原子力防災<br>ネットワークを用<br>いた通信連絡設備             | IP 電話<br>（400Mbps）            | —                           | 2.3Mbps | 3Mbps   |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  |   | IP-FAX                                      | （250Mbps）                     |                             |         |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  |   | テレビ会議システム                                   | （1.7Mbps）                     |                             |         |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  |   | データ伝送設備<br>（IP 電話、IP-FAX）                   | 84Mbps                        |                             |         |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  | 衛星系回線   | 統合原子力防災<br>ネットワークを用<br>いた通信連絡設備             | IP 電話<br>（400Mbps）            | —                           | 250Mbps | 3Mbps   |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  |   | IP-FAX                                      | （250Mbps）                     |                             |         |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  |   | テレビ会議システム                                   | （1.7Mbps）                     |                             |         |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  |   | データ伝送設備<br>（IP 電話、IP-FAX）                   | 84Mbps                        |                             |         |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
| 通信回線種別                                 | 主要設備  | 必要回線容量                                      |                               | 回線容量                        |         |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  |   | 主要設備  | 予備 <sup>※</sup>               |                             |         |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
| 電力保安<br>通信用<br>回線                      | 有線系回線   | 電力保安通信用<br>電話設備 <sup>※</sup>                | （64kbps）                      | 64kbps × 12 回線<br>= 768kbps | 600Mbps |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  |   | （保安電話（固定））                                  | （64kbps）                      |                             |         |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  |   | FAX   | （64kbps）                      |                             |         |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  | 無線系回線   | データ伝送設備（発電所外）                               | 4.4kbps                       | 4.4kbps                     |         |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  |   | 電力保安通信用<br>電話設備 <sup>※</sup>                | （64kbps）                      | 64kbps × 12 回線<br>= 768kbps |         |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  |   | （保安電話（固定））                                  | （64kbps）                      |                             |         |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
| FAX                                    | （64kbps）  |   |                               |                             |         |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
| 通信<br>事業者<br>回線                        | 衛星系回線   | 衛星電話設備（固定型）                                 | 3 回線                          | 3 回線                        | 3 回線    |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  |   | 衛星電話設備（FAX）                                 | 1 回線                          | 1 回線                        | 1 回線    |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  | 電力保安通信用電話<br>設備   | 衛星電話設備（携帯型）                                 | 10 回線                         | 10 回線                       | 15 回線   |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  |   | 衛星保安電話<br>設備                                | 32kbps/回線                     | 32kbps × 1 回線<br>= 32kbps   | 32kbps  |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
| 通信事業者<br>回線<br>（統合原子力<br>防災ネット<br>ワーク） | 有線系回線   | 統合原子力防災ネット<br>ワークを用いた<br>通信連絡設備             | IP 電話<br>（400kbps/回）<br>※ 3   | 2.4Mbps × ※ 3<br>= 7.2Mbps  | 3Mbps   |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  |   | テレビ会議システム                                   | 2.000kbps                     |                             |         |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  | 衛星系回線   | データ伝送設備（発電所外）                               | 4.4kbps                       | 4.4kbps                     |         |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
|  |   | 統合原子力防災ネット<br>ワークを用いた<br>通信連絡設備             | IP 電話<br>（50kbps/回）<br>12Mbps | 210Mbps                     | 384kbps |         |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |
| データ伝送設備（発電所外）                          |   |   |                               |                             | 4.4kbps | 4.4kbps |      |      |                  |                  |                   |       |   |         |         |         |         |                           |        |       |   |         |        |        |                           |        |        |        |             |       |             |      |   |      |      |                           |        |   |        |        |  |       |                                 |                    |   |         |       |        |           |           |           |                           |        |       |                                 |                    |   |         |       |        |           |           |           |                           |        |  |        |      |        |  |      |      |                 |                   |       |                              |          |                             |         |            |          |     |          |       |               |         |         |                              |          |                             |            |          |     |          |                 |       |             |      |      |      |             |      |      |      |                 |             |       |       |       |              |           |                           |        |  |       |                                 |                             |                            |       |           |           |       |               |         |         |                                 |                               |         |         |               |  |  |  |  |         |         |                               |




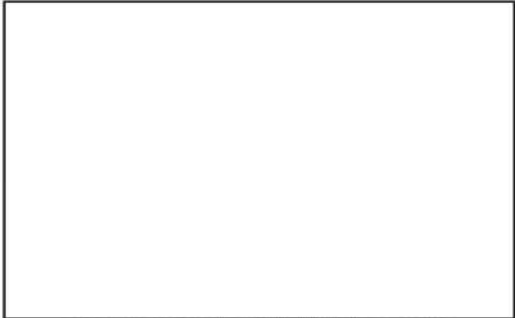

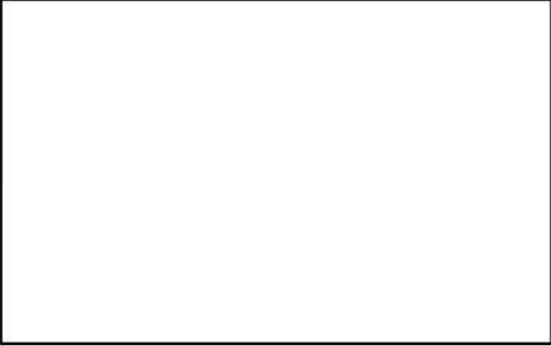


赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉   | 相違理由   |
|----------------|--|---|--|
|                | <p style="text-align: center;">62-7<br/>アクセスルート図</p> | <p style="text-align: center;">【62-2 配置図を再掲して比較】</p> <div style="border: 1px dashed blue; padding: 10px; text-align: center;"> <p>62-2 配置図</p> </div> | <p>記載箇所の相違</p> <ul style="list-style-type: none"> <li>・女川は保管場所図を配置図と別に整備しているが、泊は配置図に含めて作成している。</li> <li>・女川との比較のため、配置図のうち、保管場所を示す図を抜粋して比較する。</li> <li>・大飯は泊と同様、配置図に保管場所も含めて整備しており、大飯との比較は 62-2 配置図の比較箇所を実施している。</li> </ul> |

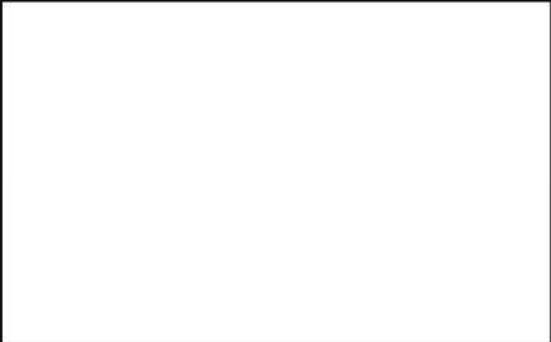


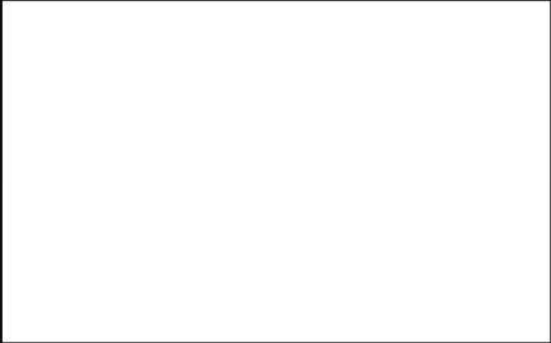


赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3/4号炉   | 女川原子力発電所2号炉   | 泊発電所3号炉   | 相違理由   |
|--|---|---|--|
| <div data-bbox="91 276 640 624" style="border: 1px solid black; width: 100%; height: 100%;"></div> <div data-bbox="219 632 488 647" style="border: 1px solid black; padding: 2px; margin-top: 5px;">                     内容中の記載は機密に係る事項であり公開することはできません。                 </div> | <p data-bbox="685 228 1214 260">審査説明資料「可搬型重大事故等対処設備保管場所及びアクセスルートについて」から引用。</p> <div data-bbox="685 264 1214 671" style="border: 1px solid black; width: 100%; height: 100%; text-align: center;">  </div> <p data-bbox="831 676 1055 692">第62-7-1図 屋外アクセスルート図</p> | <p data-bbox="1261 145 1727 161">【比較のため本ページの泊欄は62-2から転載する。】</p> <div data-bbox="1249 209 1827 695" style="border: 2px dashed blue; padding: 5px;"> <p data-bbox="1249 233 1827 280">審査説明資料「可搬型重大事故等対処設備保管場所及びアクセスルートについて」から引用</p> <div data-bbox="1249 288 1827 663" style="border: 1px solid black; width: 100%; height: 100%; text-align: center;">  </div> </div> | <p data-bbox="1839 177 1962 193">記載箇所の相違</p> <ul data-bbox="1839 201 2168 336" style="list-style-type: none"> <li>・女川との比較のため、泊欄に62-2配置図を転載する。</li> <li>・大飯はアクセスルート図を62-2として整備しており、大飯との比較は該当箇所としている。</li> </ul> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

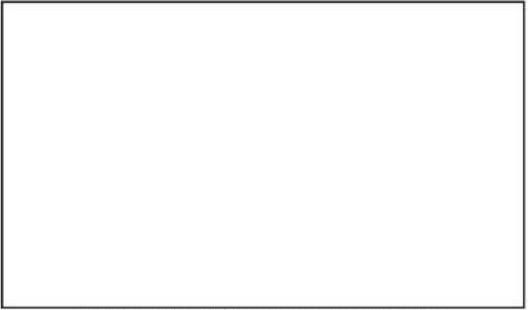



| 大飯発電所 3 / 4 号炉   | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉   | 相違理由   |
|--|--|---|--|
|  <p data-bbox="219 544 488 560">図面中の記載は掲載に際し必ずしも公開することはできません。</p>    |  <p data-bbox="734 512 1122 528">第 62-2 号図 女川原子力発電所 2 号炉 最大事故等発生時 屋内アクセスルート（1/17）</p> <p data-bbox="1003 533 1227 549">図面中の記載は掲載に際し必ずしも公開することはできません。</p>   | <p data-bbox="1261 142 1675 165">【比較のため本ページの泊欄は 62-2 から転載】</p>  <p data-bbox="1429 552 1608 568">第 1 図 屋内アクセスルート ネット図①</p> | <p data-bbox="1839 173 1957 197">記載箇所の相違</p> <ul data-bbox="1839 202 2168 341" style="list-style-type: none"> <li>・女川との比較のため、泊欄に 62-2 配置図を転載する。</li> <li>・大飯はアクセスルート図を 62-2 として整備しており、大飯との比較は該当箇所としている。</li> </ul> |
|  <p data-bbox="219 1011 488 1027">図面中の記載は掲載に際し必ずしも公開することはできません。</p> |  <p data-bbox="734 979 1122 995">第 62-1 号図 女川原子力発電所 2 号炉 最大事故等発生時 屋内アクセスルート（2/17）</p> <p data-bbox="1003 1000 1227 1016">図面中の記載は掲載に際し必ずしも公開することはできません。</p> |  <p data-bbox="1429 1007 1608 1023">第 1 図 屋内アクセスルート ネット図②</p>   |  |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）




| 大飯発電所 3 / 4 号炉  | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉   | 相違理由   |
|---|--|---|--|
|  <p data-bbox="219 544 488 560">図面中の記載は掲載に係る事項ですので公開することはできません。</p>   |  <p data-bbox="741 517 1122 533">第 62-2-4 図 女川原子力発電所 2 号炉 直入事故等発生時 屋内アクセスルート（3/2F）</p> <p data-bbox="1010 537 1223 553">図面中の内容は図面上の観点から公開できません。</p>  | <p data-bbox="1263 145 1682 161">【比較のため本ページの泊欄は 62-2 から転載】</p>  <p data-bbox="1429 544 1603 560">第 1 図 屋内アクセスルート ルート 回 5</p> | <p data-bbox="1839 173 1957 193">記載箇所の相違</p> <ul data-bbox="1839 204 2163 339" style="list-style-type: none"> <li>・女川との比較のため、泊欄に 62-2 配置図を転載する。</li> <li>・大飯はアクセスルート図を 62-2 として整備しており、大飯との比較は該当箇所としている。</li> </ul> |
|  <p data-bbox="219 1010 488 1026">図面中の記載は掲載に係る事項ですので公開することはできません。</p> |  <p data-bbox="741 978 1122 994">第 62-2-5 図 女川原子力発電所 2 号炉 直入事故等発生時 屋内アクセスルート（4/2F）</p> <p data-bbox="1010 999 1223 1015">図面中の内容は図面上の観点から公開できません。</p> |  <p data-bbox="1429 983 1603 999">第 1 図 屋内アクセスルート ルート 回 6</p>  |  |



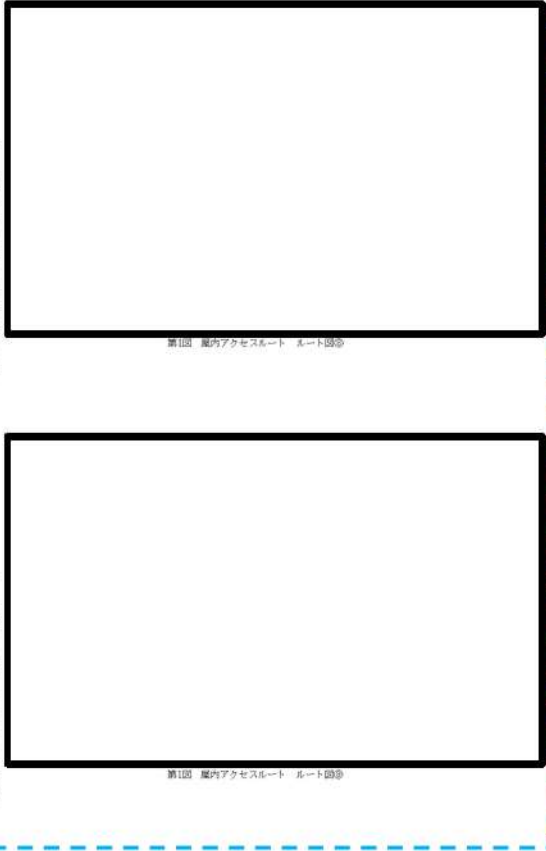
赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉   | 泊発電所 3 号炉  | 相違理由   |
|----------------|---|--|--|
|                |  <p data-bbox="739 486 1120 502">第 62-1-6 図 女川原子力発電所 2 号炉 最大事故時発生時 屋内アクセスルート (R.2)</p> <p data-bbox="1008 502 1220 518">詳細の情報は図表上の欄から公開できません。</p>  <p data-bbox="739 925 1120 941">第 62-1-7 図 女川原子力発電所 2 号炉 最大事故時発生時 屋内アクセスルート (R.2)</p> <p data-bbox="1008 941 1220 957">詳細の情報は図表上の欄から公開できません。</p> | <p data-bbox="1254 143 1680 167">【比較のため本ページの泊欄は 62-2 から転載】</p>  <p data-bbox="1433 518 1624 534">第 1 図 屋内アクセスルート ルート図</p>  <p data-bbox="1433 949 1624 965">第 1 図 屋内アクセスルート ルート図</p> | <p data-bbox="1836 175 1960 199">記載箇所の相違</p> <ul data-bbox="1836 199 2161 343" style="list-style-type: none"> <li>・女川との比較のため、泊欄に 62-2 配置図を転載する。</li> <li>・大飯はアクセスルート図を 62-2 として整備しており、大飯との比較は該当箇所としている。</li> </ul> |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉   | 相違理由   |
|----------------|--|---|--|
|                |  <p data-bbox="734 513 1115 528">第 62-7-8 図 女川原子力発電所 2 号炉 東大車軌等発生時 屋内アクセスルート (7/7)</p> <p data-bbox="1016 534 1196 549">内容の相違は図面上の観点から認められません。</p> | <p data-bbox="1263 145 1675 165">【比較のため本ページの泊欄は 62-2 から転載】</p>  <p data-bbox="1435 549 1608 563">第 1 図 屋内アクセスルート ルート図②</p>  <p data-bbox="1435 987 1608 1002">第 1 図 屋内アクセスルート ルート図②</p> | <p data-bbox="1839 173 1957 194">記載箇所の相違</p> <ul data-bbox="1839 204 2163 339" style="list-style-type: none"> <li>・女川との比較のため、泊欄に 62-2 配置図を転載する。</li> <li>・大飯はアクセスルート図を 62-2 として整備しており、大飯との比較は該当箇所としている。</li> </ul> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉 | 泊発電所 3 号炉   | 相違理由   |
|----------------|---------------|---|--|
|                |               | <p>【比較のため本ページの泊欄は 62-2 から転載】</p>  | <p>記載箇所の相違</p> <ul style="list-style-type: none"> <li>・女川との比較のため、泊欄に 62-2 配置図を転載する。</li> <li>・大飯はアクセスルート図を 62-2 として整備しており、大飯との比較は該当箇所としている。</li> </ul> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉 | 泊発電所 3 号炉  | 相違理由   |
|----------------|---------------|--|--|
|                |               | <p>【比較のため本ページの泊欄は 62-2 から転載】</p> <div style="border: 1px dashed blue; padding: 5px;">  <p style="text-align: center;">第 1 図 屋内アクセスルート（ルート図）</p>  <p style="text-align: center;">第 1 図 屋内アクセスルート（ルート図）</p> </div> | <p>記載箇所の相違</p> <ul style="list-style-type: none"> <li>・女川との比較のため、泊欄に 62-2 配置図を転載する。</li> <li>・大飯はアクセスルート図を 62-2 として整備しており、大飯との比較は該当箇所としている。</li> </ul> |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉                      | 女川原子力発電所2号炉 | 泊発電所3号炉                         | 相違理由  |
|---------------------------------|-------------|---------------------------------|---|
| <p>62-8 設置許可基準規則等への適合状況説明資料</p> |             | <p>62-6 設置許可基準規則等への適合状況説明資料</p> | <p>【女川】<br/>                     記載方針の相違<br/>                     女川では当該説明資料は作成していない。</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉   | 女川原子力発電所2号炉  | 泊発電所3号炉  | 相違理由  |
|--|--|--|---|
| <p>第35条：通信連絡設備<br/>                     (第62条：通信連絡を行うために必要な設備)</p> <p>&lt;目次&gt;</p> <p>1. 要求事項の整理</p> <p>2. 通信連絡設備</p> <p>2.1 通信連絡設備の概要</p> <p>2.1.1 通信連絡設備（発電所内用）の概要</p> <p>2.1.2 通信連絡設備（発電所外用）の概要</p> <p>2.2 多様性を確保した専用通信回線</p> | <p>【比較のため、35条2.通信連絡設備より転載】</p> <p>第35条：通信連絡設備</p> <p>&lt;目次&gt;</p> <p>1. 基本方針</p> <p>1.1 要求事項の整理</p> <p>1.2 追加要求事項に対する適合方針</p> <p>1.3 気象等</p> <p>1.4 設備等（手順等含む）</p> <p>2. 通信連絡設備</p> <p>2.1 通信連絡設備の概要</p> <p>2.2 警報装置及び通信連絡設備（発電所内）</p> <p>2.3 通信連絡設備（発電所外）</p> <p>2.4 安全パラメータ表示システム(SPDS)及びデータ伝送設備</p> <p>2.5 多様性を確保した通信回線</p> | <p>第35条：通信連絡設備<br/>                     (第62条：通信連絡を行うために必要な設備)</p> <p>&lt;目次&gt;</p> <p>1. 要求事項の整理</p> <p>2. 通信連絡設備</p> <p>2.1 通信連絡設備の概要</p> <p>2.2 警報装置及び通信連絡設備（発電所内）</p> <p>2.3 通信連絡設備（発電所外）</p> <p>2.4 データ伝送設備（発電所内）及びデータ伝送設備（発電所外）</p> <p>2.5 多様性を確保した通信回線</p> | <p>【女川】記載方針の相違<br/>                     女川では設置許可基準規則等への適合状況説明資料を作成していないことから、大飯審査実績を反映</p> <p>【大飯】記載表現の相違<br/>                     (女川審査実績の反映)<br/>                     ・大飯では、本章にて警報装置の概要も説明している。</p> <p>【大飯】記載表現の相違<br/>                     (女川審査実績の反映)</p> <p>【大飯】記載方針の相違<br/>                     (女川審査実績の反映)<br/>                     ・大飯では、2.1.1及び2.1.2にデータ伝送設備の説明を記載している。</p> <p>【大飯】記載表現の相違<br/>                     (女川審査実績の反映)<br/>                     ・泊は、大飯同様、外部との通信回線について記載している。(女川同様)</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3 / 4号炉   | 女川原子力発電所2号炉  | 泊発電所3号炉  | 相違理由  |
|--|--|--|---|
| <p>2.3 通信連絡設備の電源及び代替電源設備</p> <p>2.4 緊急時対策所の通信連絡設備及びSPDSデータ表示に係る耐震性</p> | <p>2.6 通信連絡設備の電源設備</p> <p>3. 別添<br/>                     別添 女川原子力発電所2号炉<br/>                     運用、手順説明資料<br/>                     通信連絡設備</p> | <p>2.6 通信連絡設備の電源設備</p> <p>2.7 緊急時対策所の通信連絡設備及びSPDSパラメータ表示に係る耐震性</p> | <p>【大飯】<br/>                     記載表現の相違<br/>                     （女川審査実績の反映）<br/>                     ・泊は、大飯と同様にDBの通信連絡設備の電源について記載しているが、関連することから、SA時の通信連絡設備の電源についても記載している（女川同様）</p> <p>【女川】記載方針の相違（大飯審査実績の反映）<br/>                     ・女川は参考資料の参考8に耐震措置について記載している。泊は、大飯審査実績を踏まえ、本項を記載しつつ、女川審査実績を踏まえ参考8にも耐震措置について記載している。<br/>                     なお、メーカー設計が同様である大飯の耐震性確保の範囲は泊と同様である</p> <p>【女川】記載方針の相違<br/>                     女川では設置許可基準規則等への適合状況説明資料を作成していないことから、大飯審査実績を反映</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉  | 女川原子力発電所2号炉   | 泊発電所3号炉   | 相違理由  |
|---|---|---|---|
| <p>(参考資料)</p> <p>参考1. 通信連絡設備の一覧</p> <p>参考2. 機能毎に必要な通信連絡設備</p> <p>参考3. 携行型通話装置等の使用方法及び使用場所</p> <p>【比較のため順番を変更して記載】</p> <p>参考7. 加入電話システムの構成</p><br><p>参考4. 緊急時対策所のSPDS表示装置</p> <p>参考5. SPDSバックアップラインで確認できるパラメータリスト</p><br><p>【比較のため順番を変更して記載】</p> <p>参考8. 緊急時対策所のSPDSデータ表示に係る耐震性</p> <p>参考9. 緊急時対策所の通信連絡設備の耐震性</p><br><p>【比較のため順番を変更して記載】</p> <p>参考6. 緊急時対策所の通信連絡設備電源</p> | <p>4. 参考</p> <p>参考1 通信連絡設備の一覧</p> <p>参考2 機能ごとに必要な通信連絡設備</p> <p>参考3 携行型通話装置等の使用方法及び使用場所</p> <p>参考4 加入電話システムの構成</p><br><p>参考5 緊急時対策所におけるSPDS表示装置</p> <p>参考6 安全パラメータ表示システム(SPDS)のデータ伝送概要と確認できるパラメータ</p><br><p>参考7 過去のプラントパラメータ閲覧について</p> <p>参考8 緊急時対策所の通信連絡設備に係る耐震措置について</p><br><p>参考9 緊急時対策所における通信連絡設備の電源について</p> | <p>4. 参考</p> <p>参考1 通信連絡設備の一覧</p> <p>参考2 機能ごとに必要な通信連絡設備</p> <p>参考3 携行型通話装置等の使用方法及び使用場所</p> <p>参考4 加入電話システムの構成</p><br><p>参考5 緊急時対策所におけるデータ表示端末</p> <p>参考6 データ伝送設備（発電所内）及びデータ伝送設備（発電所外）のデータ伝送概要と確認できるパラメータ</p><br><p>参考7 過去のプラントパラメータ閲覧について</p> <p>参考8 緊急時対策所の通信連絡設備に係る耐震措置について</p><br><p>参考9 緊急時対策所における通信連絡設備の電源について</p> | <p>【大飯】記載表現の相違</p><br><p>【大飯】記載表現の相違</p><br><p>【大飯】記載方針の相違<br/>                     (女川審査実績の反映)<br/>                     ・大飯では参考7に記載</p><br><p>【女川】記載表現の相違<br/>                     ・データ伝送に関する参考資料のため、泊はデータ伝送設備（発電所内）とデータ伝送設備（発電所外）を合わせて説明している</p> <p>【大飯】記載方針の相違<br/>                     (女川審査実績の反映)<br/>                     ・記載内容に合わせた資料名の相違<br/>                     ・記載箇所の相違。大飯では参考5に記載</p><br><p>【大飯】記載方針の相違<br/>                     (女川審査実績の反映)</p><br><p>【大飯】記載方針の相違<br/>                     (女川審査実績の反映)<br/>                     ・泊の参考8に大飯の参考8及び参考9の内容を記載</p> <p>【大飯】記載表現の相違<br/>                     (女川審査実績の反映)</p><br><p>【大飯】記載方針の相違<br/>                     (女川審査実績の反映)<br/>                     ・記載箇所の相違。大飯では参考6に記載</p> |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉   | 女川原子力発電所2号炉  | 泊発電所3号炉   | 相違理由   |
|--|--|---|--|
| <p>【比較のため再掲】</p> <p>参考6. 緊急時対策所の通信連絡設備電源</p> <p>【比較のため順番を変更して記載】</p> <p>参考12. 多様性を確保した通信連絡設備</p> <p>【比較のため再掲】</p> <p>参考2. 機能毎に必要な通信連絡設備</p> <p>参考10. 設計基準事故対処設備における点検頻度</p> <p>参考11. データ伝送設備（発電所内、発電所外）の設備分類</p> | <p>参考10 緊急時対策所の充電器及び通信用電源装置（蓄電池）の仕様について</p> <p>参考11 多様性を確保した通信回線の容量について</p> <p>参考12 主要な通信連絡設備の配置について</p> <p>参考13 協力会社との通信連絡</p> <p>参考14 公的機関等の情報を入手するための設備</p> | <p>参考10 緊急時対策所の通信連絡設備用無停電電源の仕様について</p> <p>参考11 多様性を確保した通信回線の容量について</p> <p>参考12 主要な通信連絡設備の配置について</p> <p>参考13 協力会社との通信連絡</p> <p>参考14 公的機関等の情報を入手するための設備</p> <p>参考15 データ伝送設備（発電所内、発電所外）の設備分類</p> | <p>【女川】設計方針の相違<br/>                     ・女川は緊急時対策所の電源として無停電電源装置を設置しているが、泊は通信機器個別に無停電電源を設置している。</p> <p>【大飯】記載方針の相違（女川審査実績の反映）<br/>                     ・記載箇所の相違。大飯では参考6に記載</p> <p>【大飯】記載方針の相違（女川審査実績の反映）<br/>                     ・泊は、発電所外との通信回線の容量の説明をしている（女川同様）<br/>                     ・大飯では参考12に記載</p> <p>【大飯】記載方針の相違（女川審査実績の反映）<br/>                     ・大飯では該当参考なし</p> <p>【大飯】記載方針の相違（女川審査実績の反映）<br/>                     ・大飯では参考2に記載</p> <p>【大飯】記載方針の相違（女川審査実績の反映）<br/>                     ・技術的能力説明資料にて記載。</p> <p>【女川】記載方針の相違<br/>                     ・記載の充実</p> |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉              | 女川原子力発電所2号炉 | 泊発電所3号炉  | 相違理由  |
|-------------------------|-------------|--|---|
| <p>参考13. トランシーバーの仕様</p> |             | <p>参考16 無線連絡設備（携帯型）の仕様</p> <p>参考17 可搬型重大事故対処設備としている通信連絡設備の予備機の保有台数と考え方</p> | <p>【女川】記載方針の相違<br/>                     ・記載の充実</p> <p>【大飯】【女川】記載方針の相違<br/>                     ・2016年度ヒアリングコメントの反映（記載の充実）</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉  | 女川原子力発電所2号炉  | 泊発電所3号炉            | 相違理由 |  |  |        |   |  |        |   |                       |                    |    |  |  |          |   |  |        |  |                       |                    |    |  |  |          |   |  |        |   |
|---|--|--------------------|------|--|--|--------|---|--|--------|---|-----------------------|--------------------|----|--|--|----------|---|--|--------|--|-----------------------|--------------------|----|--|--|----------|---|--|--------|---|
| <p>1. 要求事項の整理</p> <p>通信連絡設備について、設置許可基準規則第35条及び第62条並びに技術基準規則第47条及び第77条において、追加要求事項を明確化する。(表1)</p> <p>表1 設置許可基準規則第35条及び第62条、技術基準規則第47条及び第77条 要求事項</p> <table border="1"> <thead> <tr> <th>設置許可基準規則第35条 (通信連絡設備)</th> <th>技術基準規則第47条 (警報装置等)</th> <th>備考</th> </tr> </thead> <tbody> <tr> <td>工場等には、設計基準事故が発生した場合において工場等内の人に対し必要な指示ができるよう、警報装置(安全施設に属するものに限る。)及び多様性を確保した通信連絡設備(安全施設に属するものに限る。)を設けなければならない。</td> <td>4 工場等には、一次冷却系統に係る発電用原子炉施設内の人に対し必要な指示ができるよう、警報装置及び多様性を確保した通信連絡設備を施設しなければならない。</td> <td>一部追加要求</td> </tr> <tr> <td>2 工場等には、設計基準事故が発生した場合において発電用原子炉施設外の通信連絡をする必要がある場所と通信連絡ができるよう、多様性を確保した専用通信回線を設けなければならない。</td> <td>5 工場等には、設計基準事故が発生した場合において当該発電用原子炉施設外の通信連絡をする必要がある場所と通信連絡ができるよう、多様性を確保した専用通信回線を施設しなければならない。</td> <td>追加要求事項</td> </tr> </tbody> </table> | 設置許可基準規則第35条 (通信連絡設備)  | 技術基準規則第47条 (警報装置等) | 備考   | 工場等には、設計基準事故が発生した場合において工場等内の人に対し必要な指示ができるよう、警報装置(安全施設に属するものに限る。)及び多様性を確保した通信連絡設備(安全施設に属するものに限る。)を設けなければならない。 | 4 工場等には、一次冷却系統に係る発電用原子炉施設内の人に対し必要な指示ができるよう、警報装置及び多様性を確保した通信連絡設備を施設しなければならない。 | 一部追加要求 | 2 工場等には、設計基準事故が発生した場合において発電用原子炉施設外の通信連絡をする必要がある場所と通信連絡ができるよう、多様性を確保した専用通信回線を設けなければならない。 | 5 工場等には、設計基準事故が発生した場合において当該発電用原子炉施設外の通信連絡をする必要がある場所と通信連絡ができるよう、多様性を確保した専用通信回線を施設しなければならない。 | 追加要求事項 | <p>1. 基本方針</p> <p>1.1 要求事項の整理</p> <p>通信連絡設備について、設置許可基準規則第35条及び技術基準規則第47条において、追加要求事項を明確化する。(第1.1-1表)</p> <p>第1.1-1表 設置許可基準規則第35条及び技術基準規則第47条 要求事項</p> <table border="1"> <thead> <tr> <th>設置許可基準規則第35条 (通信連絡設備)</th> <th>技術基準規則第47条 (警報装置等)</th> <th>備考</th> </tr> </thead> <tbody> <tr> <td>工場等には、設計基準事故が発生した場合において工場等内の人に対し必要な指示ができるよう、警報装置(安全施設に属するものに限る。)及び多様性を確保した通信連絡設備(安全施設に属するものに限る。)を設けなければならない。</td> <td>4 工場等には、一次冷却系統に係る発電用原子炉施設の損壊又は故障の際に発電用原子炉施設内の人に対し必要な指示ができるよう、警報装置及び多様性を確保した通信連絡設備を施設しなければならない。</td> <td>一部追加要求事項</td> </tr> <tr> <td>2 工場等には、設計基準事故が発生した場合において発電用原子炉施設外の通信連絡をする必要がある場所と通信連絡ができるよう、多様性を確保した専用通信回線を設けなければならない。</td> <td>5 工場等には、設計基準事故が発生した場合において当該発電用原子炉施設外の通信連絡をする必要がある場所と通信連絡ができるよう、多様性を確保した専用通信回線を施設しなければならない。</td> <td>追加要求事項</td> </tr> </tbody> </table> | 設置許可基準規則第35条 (通信連絡設備) | 技術基準規則第47条 (警報装置等) | 備考 | 工場等には、設計基準事故が発生した場合において工場等内の人に対し必要な指示ができるよう、警報装置(安全施設に属するものに限る。)及び多様性を確保した通信連絡設備(安全施設に属するものに限る。)を設けなければならない。 | 4 工場等には、一次冷却系統に係る発電用原子炉施設の損壊又は故障の際に発電用原子炉施設内の人に対し必要な指示ができるよう、警報装置及び多様性を確保した通信連絡設備を施設しなければならない。 | 一部追加要求事項 | 2 工場等には、設計基準事故が発生した場合において発電用原子炉施設外の通信連絡をする必要がある場所と通信連絡ができるよう、多様性を確保した専用通信回線を設けなければならない。 | 5 工場等には、設計基準事故が発生した場合において当該発電用原子炉施設外の通信連絡をする必要がある場所と通信連絡ができるよう、多様性を確保した専用通信回線を施設しなければならない。 | 追加要求事項 | <p>1. 要求事項の整理</p> <p>通信連絡設備について、設置許可基準規則第35条及び技術基準規則第47条において、追加要求事項を明確化する。(第1-1表)</p> <p>第1-1表 設置許可基準規則第35条、技術基準規則第47条 要求事項</p> <table border="1"> <thead> <tr> <th>設置許可基準規則第35条 (通信連絡設備)</th> <th>技術基準規則第47条 (警報装置等)</th> <th>備考</th> </tr> </thead> <tbody> <tr> <td>工場等には、設計基準事故が発生した場合において工場等内の人に対し必要な指示ができるよう、警報装置(安全施設に属するものに限る。)及び多様性を確保した通信連絡設備(安全施設に属するものに限る。)を設けなければならない。</td> <td>4 工場等には、一次冷却系統に係る発電用原子炉施設の損壊又は故障の際に発電用原子炉施設内の人に対し必要な指示ができるよう、警報装置及び多様性を確保した通信連絡設備を施設しなければならない。</td> <td>一部追加要求事項</td> </tr> <tr> <td>2 工場等には、設計基準事故が発生した場合において発電用原子炉施設外の通信連絡をする必要がある場所と通信連絡ができるよう、多様性を確保した専用通信回線を設けなければならない。</td> <td>5 工場等には、設計基準事故が発生した場合において当該発電用原子炉施設外の通信連絡をする必要がある場所と通信連絡ができるよう、多様性を確保した専用通信回線を施設しなければならない。</td> <td>追加要求事項</td> </tr> </tbody> </table> | 設置許可基準規則第35条 (通信連絡設備) | 技術基準規則第47条 (警報装置等) | 備考 | 工場等には、設計基準事故が発生した場合において工場等内の人に対し必要な指示ができるよう、警報装置(安全施設に属するものに限る。)及び多様性を確保した通信連絡設備(安全施設に属するものに限る。)を設けなければならない。 | 4 工場等には、一次冷却系統に係る発電用原子炉施設の損壊又は故障の際に発電用原子炉施設内の人に対し必要な指示ができるよう、警報装置及び多様性を確保した通信連絡設備を施設しなければならない。 | 一部追加要求事項 | 2 工場等には、設計基準事故が発生した場合において発電用原子炉施設外の通信連絡をする必要がある場所と通信連絡ができるよう、多様性を確保した専用通信回線を設けなければならない。 | 5 工場等には、設計基準事故が発生した場合において当該発電用原子炉施設外の通信連絡をする必要がある場所と通信連絡ができるよう、多様性を確保した専用通信回線を施設しなければならない。 | 追加要求事項 | <p>【大飯】記載方針の相違(女川審査実績を反映)<br/>                 ・重大事故等対処設備の条文(設置許可基準第62条及び技術基準規則第77条)に係る記載については、設置許可基準62条側に記載。</p> |
| 設置許可基準規則第35条 (通信連絡設備)   | 技術基準規則第47条 (警報装置等)   | 備考                 |      |  |  |        |   |  |        |   |                       |                    |    |  |  |          |   |  |        |  |                       |                    |    |  |  |          |   |  |        |   |
| 工場等には、設計基準事故が発生した場合において工場等内の人に対し必要な指示ができるよう、警報装置(安全施設に属するものに限る。)及び多様性を確保した通信連絡設備(安全施設に属するものに限る。)を設けなければならない。  | 4 工場等には、一次冷却系統に係る発電用原子炉施設内の人に対し必要な指示ができるよう、警報装置及び多様性を確保した通信連絡設備を施設しなければならない。                   | 一部追加要求             |      |  |  |        |   |  |        |   |                       |                    |    |  |  |          |   |  |        |  |                       |                    |    |  |  |          |   |  |        |   |
| 2 工場等には、設計基準事故が発生した場合において発電用原子炉施設外の通信連絡をする必要がある場所と通信連絡ができるよう、多様性を確保した専用通信回線を設けなければならない。   | 5 工場等には、設計基準事故が発生した場合において当該発電用原子炉施設外の通信連絡をする必要がある場所と通信連絡ができるよう、多様性を確保した専用通信回線を施設しなければならない。     | 追加要求事項             |      |  |  |        |   |  |        |   |                       |                    |    |  |  |          |   |  |        |  |                       |                    |    |  |  |          |   |  |        |   |
| 設置許可基準規則第35条 (通信連絡設備)   | 技術基準規則第47条 (警報装置等)   | 備考                 |      |  |  |        |   |  |        |   |                       |                    |    |  |  |          |   |  |        |  |                       |                    |    |  |  |          |   |  |        |   |
| 工場等には、設計基準事故が発生した場合において工場等内の人に対し必要な指示ができるよう、警報装置(安全施設に属するものに限る。)及び多様性を確保した通信連絡設備(安全施設に属するものに限る。)を設けなければならない。  | 4 工場等には、一次冷却系統に係る発電用原子炉施設の損壊又は故障の際に発電用原子炉施設内の人に対し必要な指示ができるよう、警報装置及び多様性を確保した通信連絡設備を施設しなければならない。 | 一部追加要求事項           |      |  |  |        |   |  |        |   |                       |                    |    |  |  |          |   |  |        |  |                       |                    |    |  |  |          |   |  |        |   |
| 2 工場等には、設計基準事故が発生した場合において発電用原子炉施設外の通信連絡をする必要がある場所と通信連絡ができるよう、多様性を確保した専用通信回線を設けなければならない。   | 5 工場等には、設計基準事故が発生した場合において当該発電用原子炉施設外の通信連絡をする必要がある場所と通信連絡ができるよう、多様性を確保した専用通信回線を施設しなければならない。     | 追加要求事項             |      |  |  |        |   |  |        |   |                       |                    |    |  |  |          |   |  |        |  |                       |                    |    |  |  |          |   |  |        |   |
| 設置許可基準規則第35条 (通信連絡設備)   | 技術基準規則第47条 (警報装置等)   | 備考                 |      |  |  |        |   |  |        |   |                       |                    |    |  |  |          |   |  |        |  |                       |                    |    |  |  |          |   |  |        |   |
| 工場等には、設計基準事故が発生した場合において工場等内の人に対し必要な指示ができるよう、警報装置(安全施設に属するものに限る。)及び多様性を確保した通信連絡設備(安全施設に属するものに限る。)を設けなければならない。  | 4 工場等には、一次冷却系統に係る発電用原子炉施設の損壊又は故障の際に発電用原子炉施設内の人に対し必要な指示ができるよう、警報装置及び多様性を確保した通信連絡設備を施設しなければならない。 | 一部追加要求事項           |      |  |  |        |   |  |        |   |                       |                    |    |  |  |          |   |  |        |  |                       |                    |    |  |  |          |   |  |        |   |
| 2 工場等には、設計基準事故が発生した場合において発電用原子炉施設外の通信連絡をする必要がある場所と通信連絡ができるよう、多様性を確保した専用通信回線を設けなければならない。   | 5 工場等には、設計基準事故が発生した場合において当該発電用原子炉施設外の通信連絡をする必要がある場所と通信連絡ができるよう、多様性を確保した専用通信回線を施設しなければならない。     | 追加要求事項             |      |  |  |        |   |  |        |   |                       |                    |    |  |  |          |   |  |        |  |                       |                    |    |  |  |          |   |  |        |   |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉   | 女川原子力発電所2号炉  | 泊発電所3号炉  | 相違理由   |
|--|--|--|--|
| <p>2. 通信連絡設備</p> <p>2.1 通信連絡設備の概要</p> <p>発電所内、外の通信連絡設備として、以下に記載する警報装置、通信設備及びデータ伝送設備を設置する。</p> <p>概要を図1に示す。</p> <p>警報装置：事故等が発生した場合に、建屋内外の者への退避の指示を行う。</p> <p>通信設備（発電所内）：中央制御室、緊急時対策所指揮所から建屋内外の者への操作、作業又は退避の指示等の連絡を行う。</p> <p>データ伝送設備（発電所内）：緊急時対策所指揮所へ事故状態等の把握に必要なデータを伝送する。</p> <p>通信設備（発電所外）：発電所外の必要箇所への事故の発生等に係る連絡を行う。</p> <p>データ伝送設備（発電所外）：所内から所外の緊急時対策支援システム（ERSS）等へ必要なデータを伝送する。</p> | <p>2. 通信連絡設備</p> <p>2.1 通信連絡設備の概要</p> <p>発電所内及び発電所外との通信連絡設備として、以下の通信連絡設備を設置又は保管する設計とする。通信連絡設備は、警報装置、通信連絡設備（発電所内）、安全パラメータ表示システム（SPDS）、通信連絡設備（発電所外）及びデータ伝送設備から構成される。</p> <p>通信連絡設備の概要を第2.1-1図に示す。</p> <p>(1) 警報装置<br/>事故等が発生した場合に、建屋内外の者へ退避の指示を行う。</p> <p>(2) 通信連絡設備（発電所内）<br/>中央制御室等から建屋内外各所の者への必要な操作、作業又は退避の指示等の連絡を行う。</p> <p>(3) 安全パラメータ表示システム（SPDS）<br/>事故状態等の把握に必要な情報（プラントパラメータ）を把握するため、緊急時対策所へデータを伝送する。</p> <p>(4) 通信連絡設備（発電所外）<br/>発電所外の必要箇所へ事故の発生等に係る連絡を音声等により行う。</p> <p>(5) データ伝送設備<br/>発電所内から発電所外の緊急時対策支援システム（ERSS）へ必要なデータを伝送する。</p> | <p>2. 通信連絡設備</p> <p>2.1 通信連絡設備の概要</p> <p>発電所内及び発電所外との通信連絡設備として、以下の通信連絡設備を設置又は保管する設計とする。通信連絡設備は、警報装置、通信連絡設備（発電所内）、データ伝送設備（発電所内）、通信連絡設備（発電所外）及びデータ伝送設備（発電所外）から構成される。</p> <p>通信連絡設備の概要を第2.1-1図に示す。</p> <p>(1) 警報装置<br/>事故等が発生した場合に、建屋内外の者へ退避の指示を行う。</p> <p>(2) 通信連絡設備（発電所内）<br/>中央制御室等から建屋内外各所の者への必要な操作、作業又は退避の指示等の連絡を行う。</p> <p>(3) データ伝送設備（発電所内）<br/>事故状態等の把握に必要な情報（プラントパラメータ）を把握するため、緊急時対策所へデータを伝送する。</p> <p>(4) 通信連絡設備（発電所外）<br/>発電所外の必要箇所へ事故の発生等に係る連絡を音声等により行う。</p> <p>(5) データ伝送設備（発電所外）<br/>発電所内から発電所外の緊急時対策支援システム（ERSS）へ必要なデータを伝送する。</p> | <p>DBに係る内容（当ページ）</p> <p>【大飯】記載表現の相違<br/>                 【大飯】記載方針の相違（女川審査実績を反映）<br/>                 ・大飯は、通信連絡設備の内訳に記載していない<br/>                 【大飯】記載表現の相違</p> <p>【大飯】記載表現の相違（女川審査実績を反映）</p> <p>【大飯】記載表現の相違（女川審査実績を反映）<br/>                 ・緊急時対策所へ事故状態等の把握に必要な情報を伝送することは変わらない。</p> <p>【大飯】記載表現の相違（女川審査実績を反映）<br/>                 ・音声等による連絡は変わらない。</p> <p>【大飯】記載表現の相違（女川審査実績を反映）<br/>                 【大飯】記載方針の相違（女川審査実績を反映）<br/>                 ・泊は、伝送先がERSSしかないことから「等」は記載していない。</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

大飯発電所3/4号炉

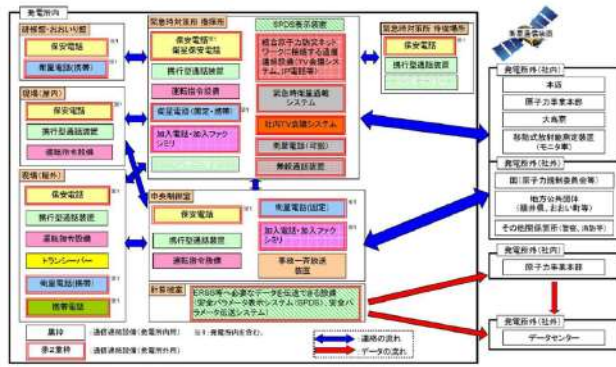
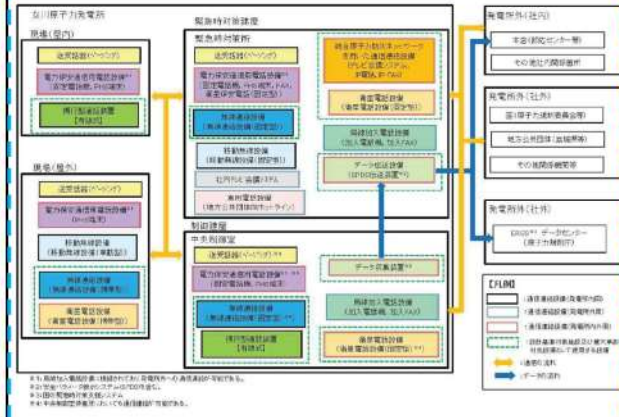


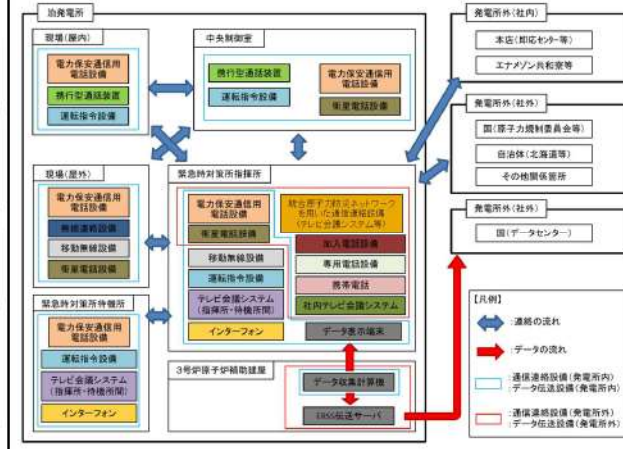
図1 通信連絡設備の概要

女川原子力発電所2号炉



第2.1-1図 通信連絡設備の概要

泊発電所3号炉



第2.1-1図 通信連絡設備の概要

相違理由

DB/SAに係る内容(当図)



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉   | 女川原子力発電所2号炉   | 泊発電所3号炉  | 相違理由   |
|--|---|--|--|
| <p>2.1.1 通信連絡設備（発電所内用）の概要</p> <p>中央制御室等から人が立ち入る可能性のある建屋内外各所の者への操作、作業又は退避の指示等の連絡を行うことができる<b>警報装置（事故一斉放送装置）</b>及び多様性を確保した通信設備（発電所内）（電力保安通信用電話設備（保安電話）、運転指令設備（送受話器）、トランシーバー、携行型通話装置、衛星電話、インターフォン及び無線通話装置）及びデータ伝送設備（発電所内）（安全パラメータ表示システム（SPDS）及びSPDS表示装置）を設置している。</p> <p>また、警報装置、通信設備（発電所内）及びデータ伝送設備（発電所内）については、定期的な外観点検及び通話通信確認により適切な保守管理を行う。<br/>                 概要を図2.1及び図2.2に示す。</p> | <p>2.2 警報装置及び通信連絡設備（発電所内）</p> <p>設計基準事故が発生した場合において、中央制御室等から人が立ち入る可能性のある原子炉建屋、タービン建屋等の建屋内外各所の者への必要な操作、作業又は退避の指示等の連絡をブザー鳴動等により行うことができる装置及び音声等により行うことができる設備として、<b>送受話器（ページング）（警報装置を含む。）</b>、電力保安通信用電話設備、移動無線設備、携行型通話装置、無線連絡設備及び衛星電話設備の多様性を確保した通信連絡設備（発電所内）を設置又は保管する設計とする。概要を第2.2-1図に示す。</p> <p>通信連絡設備（発電所内）の多様性を第2.2-1表に示す。<br/>                 また、通信連絡設備（発電所内）のうち、設計基準対象施設である衛星電話設備、無線連絡設備及び携行型通話装置は、重大事故等時においても使用し、重大事故等が発生した場合においても機能維持を図る設計とする。<br/>                 電力保安通信用電話設備における建屋間の有線系回線の構成は、<b>2号炉</b>に設置する電力保安通信用電話設備（交換機）と緊急時対策所内に設置する<b>固定電話機</b>を接続する設計とする。</p> <p>万一、有線系回線が損傷し、電力保安通信用電話設備の機能が喪失した場合、発電所建屋外は無線連絡設備又は衛星電話設備、発電所建屋内は携行型通話装置により、発電所内の必要箇所との通信連絡が可能な設計とする。<br/>                 警報装置及び通信連絡設備（発電所内）については、定期的な機能・性能の確認及び外観の確認により適切な保守管理を行い、常時使用できることを確認する。</p> | <p>2.2 警報装置及び通信連絡設備（発電所内）</p> <p>設計基準事故が発生した場合において、中央制御室等から人が立ち入る可能性のある原子炉建屋、タービン建屋等の建屋内外各所の者への必要な操作、作業又は退避の指示等の連絡をブザー鳴動等により行うことができる装置及び音声等により行うことができる設備として、<b>運転指令設備（警報装置を含む。）</b>、電力保安通信用電話設備、移動無線設備、携行型通話装置、無線連絡設備及び衛星電話設備の多様性を確保した通信連絡設備（発電所内）を設置又は保管する設計とする。概要を第2.2-1図に示す。</p> <p>通信連絡設備（発電所内）の多様性を第2.2-1表に示す。<br/>                 また、通信連絡設備（発電所内）のうち、設計基準対象施設である衛星電話設備、無線連絡設備及び携行型通話装置は、重大事故等時においても使用し、重大事故等が発生した場合においても機能維持を図る設計とする。<br/>                 電力保安通信用電話設備における建屋間の有線系回線の構成は、<b>総合管理事務所及び管理事務所</b>に設置する電力保安通信用電話設備（交換機）と緊急時対策所内に設置する<b>保安電話（固定）</b>を接続する設計とする。</p> <p>万一、有線系回線が損傷し、電力保安通信用電話設備の機能が喪失した場合、発電所建屋外は無線連絡設備又は衛星電話設備、発電所建屋内は携行型通話装置により、発電所内の必要箇所との通信連絡が可能な設計とする。<br/>                 警報装置及び通信連絡設備（発電所内）については、定期的な機能・性能の確認及び外観の確認により適切な保守管理を行い、常時使用できることを確認する。</p> | <p>相違理由</p> <p>DBに係る内容（当ページ）</p> <p>【大飯】記載表現の相違（女川審査実績を反映）<br/>                 ・大飯も、当章にて警報装置の概要も説明している。</p> <p>【大飯】記載方針の相違（女川審査実績を反映）<br/>                 【大飯】設計方針の相違<br/>                 ・2-2の記載のとおり</p> <p>【大飯】記載方針の相違（女川審査実績の範囲）</p> <p>【女川】設計方針の相違<br/>                 ・電力保安通信用電話設備（交換機）の設置場所の相違。女川は発電所建屋に設置されているが泊は事務所建屋に設置されている</p> <p>【女川】記載表現の相違<br/>                 ・記載の統一（万一）</p> <p>【大飯】記載表現の相違（女川審査実績を反映）<br/>                 【大飯】記載方針の相違（女川審査実績を反映）<br/>                 ・泊は、データ伝送設備を2.4に記載している（女川同様）</p> |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所3/4号炉

女川原子力発電所2号炉

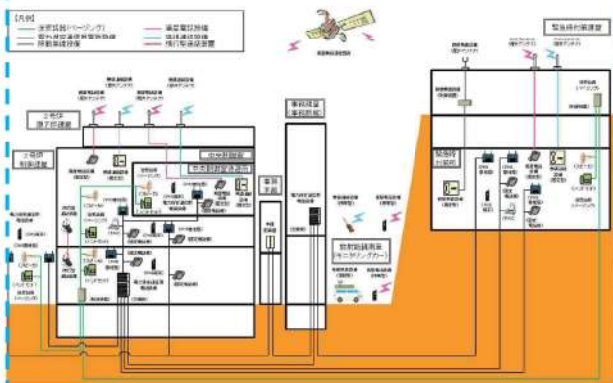
泊発電所3号炉

相違理由

第2.2-1表 通信連絡設備（発電所内）の多様性

| 主要設備                        | 機能                         | 通信回線種別             | 通信連絡の場所 <sup>※1</sup>  |
|-----------------------------|----------------------------|--------------------|--|
| 急受装置（バージョンアップ）<br>（警報装置を含む） | ハンドセット・スピーカー               | 電話                 | 有線系回線<br>・緊急時対策用—中央制御室<br>・緊急時対策用—現場（屋内）<br>・緊急時対策用—現場（屋外）<br>・中央制御室—現場（屋内）<br>・中央制御室—現場（屋外）<br>・現場（屋内）—現場（屋内）                   |
| 固定電話機                       | 電話                         | 有線系回線              | ・緊急時対策用—中央制御室<br>・緊急時対策用—現場（屋内）<br>・中央制御室—現場（屋内）   |
| 電力保安通信用電話装置                 | PHS端末<br>FAX               | 電話<br>無線系回線<br>FAX | 無線系回線<br>・緊急時対策用—中央制御室<br>・緊急時対策用—現場（屋外）<br>・緊急時対策用—現場（屋内）<br>・中央制御室—現場（屋内）<br>・中央制御室—現場（屋外）<br>・現場（屋外）—現場（屋外）<br>・現場（屋外）—現場（屋外） |
| 移動無線設備                      | 移動無線設備（固定型）<br>移動無線設備（車載型） | 電話                 | 無線系回線<br>・緊急時対策用—現場（屋外）  |
| 衛星電話設備                      | 衛星電話設備（固定型）<br>衛星電話設備（携帯型） | 電話                 | 衛星系回線<br>・緊急時対策用—中央制御室<br>・緊急時対策用—現場（屋外）   |
| 無線連絡設備                      | 無線連絡設備（固定型）<br>無線連絡設備（携帯型） | 電話                 | 無線系回線<br>・緊急時対策用—中央制御室<br>・緊急時対策用—現場（屋外）<br>・現場（屋内）—現場（屋外）   |
| 携行型連絡装置                     | 電話                         | 有線系回線              | ・中央制御室—現場（屋内）  |

※1：現場（屋内）：制御棟、原子炉棟、タービン棟

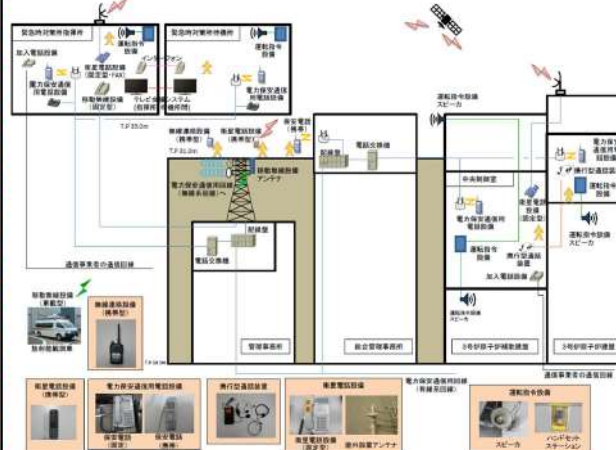


第2.2-1図 通信連絡設備（発電所内）の概要

第2.2-1表 通信連絡設備（発電所内）の多様性

| 主要設備            | 機能   | 通信回線種別 | 通信連絡の場所   |
|-----------------|--|--------|---|
| 運転指令設備（警報装置を含む） |  | 電話     | 有線系回線<br>・緊急時対策用—中央制御室<br>・緊急時対策用—現場（屋内）<br>・中央制御室—現場（屋外）<br>・現場（屋内）—現場（屋内）<br>・緊急時対策用指揮所<br>—緊急時対策用無線設備  |
| 電力保安通信用電話装置     | 保安電話（固定） <sup>※1</sup><br>保安電話（携帯） <sup>※1</sup> | 電話     | 無線系回線<br>・緊急時対策用—中央制御室<br>・緊急時対策用—現場（屋内）<br>・緊急時対策用—現場（屋外）<br>・中央制御室—現場（屋内）<br>・中央制御室—現場（屋外）<br>・現場（屋内）—現場（屋内）<br>・現場（屋外）—現場（屋外）<br>・緊急時対策用指揮所<br>—緊急時対策用無線設備 |
| 無線連絡設備          | 無線連絡設備（携帯型）                                      | 電話     | 無線系回線<br>・現場（屋外）—現場（屋外）   |
| 携行型連絡装置         |  | 電話     | 有線系回線<br>・中央制御室—現場（屋内）  |
| 衛星電話設備          | 衛星電話設備（固定） <sup>※1</sup><br>衛星携帯電話 <sup>※1</sup> | 電話     | 衛星系回線<br>・緊急時対策用—中央制御室<br>・緊急時対策用—現場（屋外）<br>・中央制御室—現場（屋外）   |
| 移動無線設備          | 移動無線設備（固定型）<br>移動無線設備（車載型）                       | 電話     | 無線系回線<br>・緊急時対策用—現場（屋外）   |

※1：両発電所内と両発電所外で共用



第2.2-1図 通信連絡設備（発電所内）の概要  
 [通信連絡設備（発電所外）と共用のものを含む]

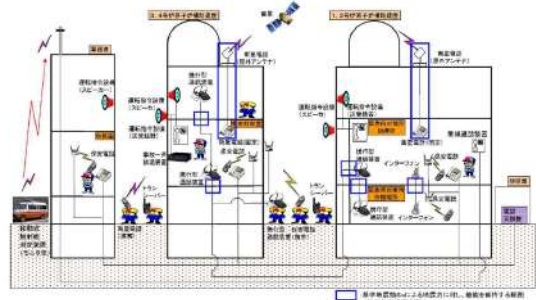


図2.1 通信連絡設備（発電所内用）の概要  
 [通信連絡設備（発電所外用）と共用のものを含む]

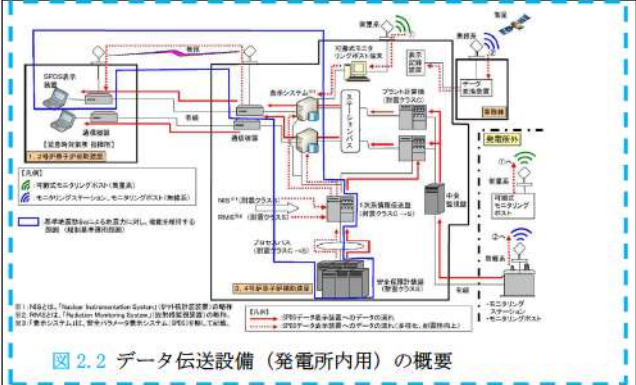
DBに係る内容（当表）  
 【大飯】  
 記載方針の相違  
 （女川審査実績を反映）

DB/SAに係る内容（当図）

【女川】記載方針の相違・泊は通信連絡設備（発電所外）と共用している設備も含めて記載している旨を記載している（大飯同様）

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉  | 女川原子力発電所2号炉 | 泊発電所3号炉 | 相違理由  |
|---|-------------|---------|---|
|  <p>図 2.2 データ伝送設備（発電所内用）の概要</p> |             |         | <p>【大飯】記載方針の相違<br/>                 (女川審査実績を反映)<br/>                 ・泊は、データ伝送設備を2.4に記載している<br/>                 (女川同様)</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大阪発電所3/4号炉  | 女川原子力発電所2号炉   | 泊発電所3号炉   | 相違理由  |
|---|---|---|---|
| <p>2.1.2 通信連絡設備（発電所外用）の概要</p> <p>発電所外の社内関係箇所との連絡用として、電力保安通信用電話設備（保安電話）、社内TV会議システム及び電力保安通信用電話設備（衛星保安電話）等を設置している。電力保安通信用電話設備（保安電話）は、当社が構築する電力保安通信用回線（有線系回線及び無線系回線）に接続している。</p> <p>社内TV会議システムは、当社が構築する電力保安通信用回線（有線系回線）及び通信事業者が提供する特定顧客専用の通信回線（衛星系回線）に接続している。電力保安通信用電話設備（衛星保安電話）は、通信事業者が提供する特定顧客専用の通信回線（衛星系回線）に接続している。これらの回線は、多様性を確保した専用回線としている。</p> <p>社外との連絡用として、通信事業者が提供する加入電話、携帯電話及び衛星電話等を設置している。また、多様性を確保した通信事業者が提供する統合原子力防災ネットワーク（有線系回線及び衛星系回線）に接続する通信連絡設備及び緊急時対策支援システム（ERSS）等へのデータを伝送出来る設備として、データ伝送設備（発電所外）を設置している。</p> <p>データ伝送設備（発電所外）については、バックアップとして当社が構築する電力保安通信用回線（有線系回線及び無線系回線）に接続し原子力事業本部からも伝送できるようにしている。</p> | <p>2.3 通信連絡設備（発電所外）</p> <p>(1) 所外必要箇所の選定<br/>                 発電所外の通信連絡をする必要がある場所として、本店、国、地方公共団体、その他関係機関等を選定する。</p> <p>(2) 通信連絡設備（発電所外）<br/>                 設計基準事故が発生した場合において、発電所外の必要箇所と事故の発生等に係る連絡を音声等により行うため、通信連絡設備（発電所外）として、電力保安通信用電話設備、社内テレビ会議システム、局線加入電話設備、専用電話設備、衛星電話設備及び統合原子力防災ネットワークを用いた通信連絡設備を設置又は保管する設計とし、有線系回線、無線系回線又は衛星系回線による通信方式の多様性を確保した専用通信回線に接続し、輻輳等による制限を受けることなく常時使用できる設計とする。概要を第2.3-1 図、第2.3-2 図及び第2.3-3 図に示す。</p> <p>また、通信連絡設備（発電所外）のうち、設計基準対象施設である統合原子力防災ネットワークを用いた通信連絡設備及び衛星電話設備は、重大事故等が発生した場合においても使用し、重大事故等が発生した場合においても機能維持を図る設計とする。</p> | <p>2.3 通信連絡設備（発電所外）</p> <p>(1) 所外必要箇所の選定<br/>                 発電所外の通信連絡をする必要がある場所として、本店、国、地方公共団体、その他関係機関等を選定する。</p> <p>(2) 通信連絡設備（発電所外）<br/>                 設計基準事故が発生した場合において、発電所外の必要箇所と事故の発生等に係る連絡を音声等により行うため、通信連絡設備（発電所外）として、電力保安通信用電話設備、社内テレビ会議システム、加入電話設備、専用電話設備、衛星電話設備、携帯電話及び統合原子力防災ネットワークを用いた通信連絡設備を設置又は保管する設計とし、有線系回線、無線系回線又は衛星系回線による通信方式の多様性を確保した専用通信回線に接続し、輻輳等による制限を受けることなく常時使用できる設計とする。概要を第2.3-1図、第2.3-2図及び第2.3-3図に示す。</p> <p>また、通信連絡設備（発電所外）のうち、設計基準対象施設である統合原子力防災ネットワークを用いた通信連絡設備及び衛星電話設備は、重大事故等が発生した場合においても使用し、重大事故等が発生した場合においても機能維持を図る設計とする。</p> | <p>相違理由</p> <p>DBに係る内容（当ページ）</p> <p>【大阪】記載方針の相違（女川審査実績を反映）</p> <p>【大阪】記載方針の相違（女川審査実績を反映）</p> <p>【大阪】記載方針の相違（女川審査実績を反映）</p> <p>【女川】設計方針の相違・2-2③記載のとおり</p> <p>【大阪】記載方針の相違（女川審査実績を反映）<br/>                 ・大阪は通信連絡設備を一括して記載している</p> |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3 / 4号炉 | 女川原子力発電所2号炉   | 泊発電所3号炉  | 相違理由  |
|--------------|---|--|---|
|              | <p>a. 電力保安通信用電話設備<br/>                     専用の電力保安通信用回線（有線系及び無線系）に接続している固定電話機、PHS 端末、FAX 及び通信事業者回線（衛星系）に接続している衛星保安電話（固定型）</p> <p>b. 社内テレビ会議システム<br/>                     専用の電力保安通信用回線（有線系）及び通信事業者が提供する通信事業者回線（衛星系）に接続しているテレビ会議システム</p> <p>c. 局線加入電話設備<br/>                     通信事業者が提供する災害時優先加入契約された通信事業者回線（有線系）に接続している加入電話機及び加入FAX</p> <p>d. 専用電話設備<br/>                     通信事業者が提供する専用通信回線（有線系）に接続する専用電話設備（地方公共団体向ホットライン）</p> <p>e. 衛星電話設備<br/>                     通信事業者が提供する通信事業者回線（衛星系）に接続している衛星電話設備（固定型）、衛星電話設備（携帯型）</p> <p>f. 統合原子力防災ネットワークを用いた通信連絡設備<br/>                     通信事業者が提供する特定顧客専用の統合原子力防災ネットワーク（有線系及び衛星系）を用いたIP 電話、IP-FAX、テレビ会議システム</p> | <p>a. 電力保安通信用電話設備<br/>                     専用の電力保安通信用回線（有線系及び無線系）に接続している保安電話（固定）、保安電話（携帯）、通信事業者回線（衛星系）に接続している衛星保安電話及び通信事業者が提供する専用通信回線（有線系）に接続している専用電話</p> <p>b. 社内テレビ会議システム<br/>                     通信事業者が提供する専用通信回線（有線系）及び専用の電力保安通信用回線（無線系）に接続しているテレビ会議システム</p> <p>c. 加入電話設備<br/>                     通信事業者が提供する災害時優先加入契約された通信事業者回線（有線系）に接続している加入電話機及び加入FAX</p> <p>d. 専用電話設備<br/>                     通信事業者が提供する専用通信回線（有線系）に接続する専用電話設備（固定型）及び専用電話設備（FAX）</p> <p>e. 衛星電話設備<br/>                     通信事業者が提供する通信事業者回線（衛星系）に接続している衛星電話設備（固定型）、衛星電話設備（FAX）及び衛星電話設備（携帯型）</p> <p>f. 携帯電話<br/>                     通信事業者が提供する災害時優先加入契約された通信事業者回線（無線系）に接続している携帯電話</p> <p>g. 統合原子力防災ネットワークを用いた通信連絡設備<br/>                     通信事業者が提供する特定顧客専用の統合原子力防災ネットワーク（有線系及び衛星系）を用いたIP 電話、IP-FAX、テレビ会議システム</p> | <p>DB に係る内容（当ページ）</p> <p>【大飯】記載方針の相違（女川審査実績を反映）</p> <p>【女川】設計方針の相違<br/>                     ・2-2①記載のとおり</p> <p>【大飯】【女川】設計方針の相違<br/>                     ・2-2②記載のとおり</p> <p>【女川】設計方針の相違<br/>                     ・女川は主回線を自社回線、バックアップに通信事業者の衛星系回線を使用しているが泊は主回線を通信事業者回線、バックアップに自社回線の無線系回線を使用している。専用回線を使用していること及び通信回線の多様性を確保することには相違ないことから、問題はない。</p> <p>【女川】設計方針の相違<br/>                     ・2-2③記載のとおり</p> <p>【大飯】【女川】設計方針の相違<br/>                     ・2-2④記載のとおり</p> <p>【女川】設計方針の相違<br/>                     ・2-2⑤記載のとおり</p> |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

大飯発電所3/4号炉

女川原子力発電所2号炉

泊発電所3号炉

相違理由

また、通信設備（発電所外）及びデータ伝送設備（発電所外）については、定期的な外観点検、通話通信確認等により適切な保守管理を行う。

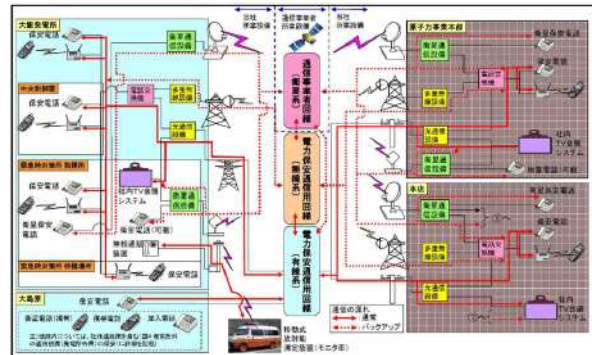
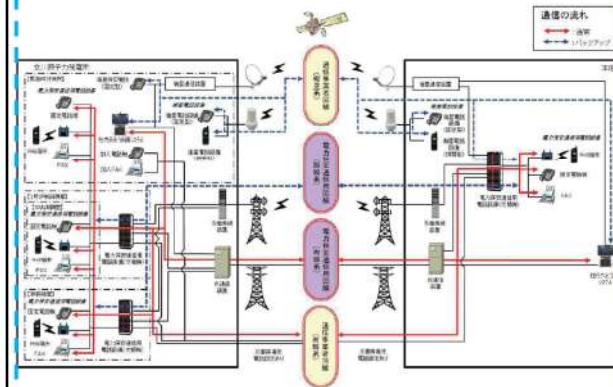


図3 通信設備（発電所外）の概要（社内関係箇所）

なお、専用の電力保安通信用回線は、送電鉄塔に配備する有線系回線及び排気筒に固定設置する無線系回線によって構成し、発電所外の必要箇所と通信連絡する設計とする。万一、電力保安通信用回線による通信連絡の機能が喪失した場合、統合原子力防災ネットワークを用いた通信連絡設備等の衛星系回線により、発電所外の必要箇所との通信連絡が可能な設計とする。

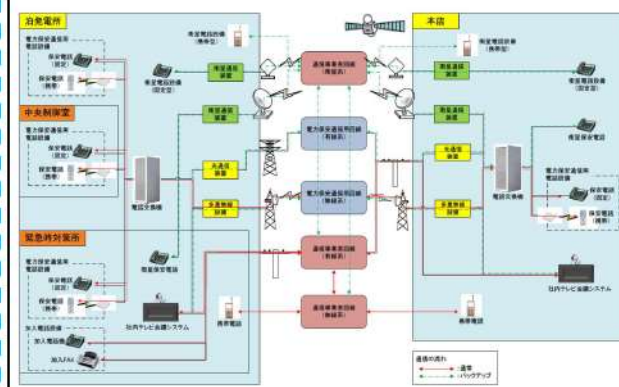
通信連絡設備（発電所外）については、定期的な機能・性能の確認及び外観の確認により適切な保守管理を行い、常時使用できることを確認する。



第2.3-1図 通信連絡設備（発電所外〔社内関係箇所〕）の概要（その1）  
 （電力保安通信用電話設備、社内テレビ会議システム、局線加入電話設備、衛星電話設備）

なお、専用の電力保安通信用回線は、送電鉄塔に配備する有線系回線及び管理事務所の通信鉄塔に固定設置する無線系回線によって構成し、発電所外の必要箇所と通信連絡する設計とする。万一、電力保安通信用回線による通信連絡の機能が喪失した場合、統合原子力防災ネットワークを用いた通信連絡設備等の衛星系回線により、発電所外の必要箇所との通信連絡が可能な設計とする。

通信連絡設備（発電所外）については、定期的な機能・性能の確認及び外観の確認により適切な保守管理を行い、常時使用できることを確認する。



第2.3-1図 通信連絡設備（発電所外〔社内関係箇所〕）の概要  
 （電力保安通信用電話設備、社内テレビ会議システム、加入電話設備、衛星電話設備、携帯電話）

DBに係る内容（当ページ）

【女川】設計方針の相違  
 ・電力保安通信用電話設備の無線系回線の設置場所の相違。女川：発電所建屋の排気筒、泊：管理事務所の通信鉄塔  
 【女川】記載表現の相違  
 ・記載の統一（万一）

【大飯】記載方針の相違（女川審査実績を反映）  
 ・女川・泊は、データ伝送設備を2.4に記載している

【女川】設計方針の相違  
 ・2-2⑤記載のとおり

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

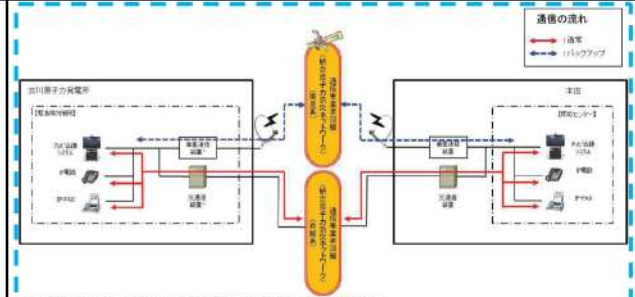
大飯発電所3/4号炉

女川原子力発電所2号炉

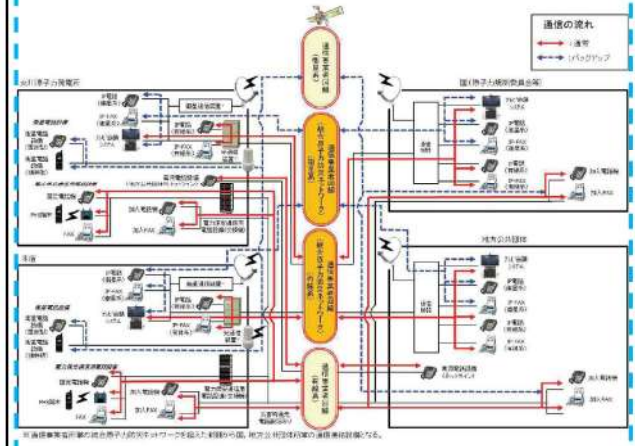
泊発電所3号炉

相違理由

DB/SAに係る内容(当図)



第2.3-2図 通信連絡設備（発電所外【社内関係箇所】）の概要（その2）  
 （統合原子力防災ネットワークを用いた通信連絡設備）



第2.3-3図 通信連絡設備（発電所外【社外関係箇所】）の概要  
 （衛星電話設備、専用電話設備（ホットライン）、統合原子力防災ネットワークを用いた通信連絡設備）

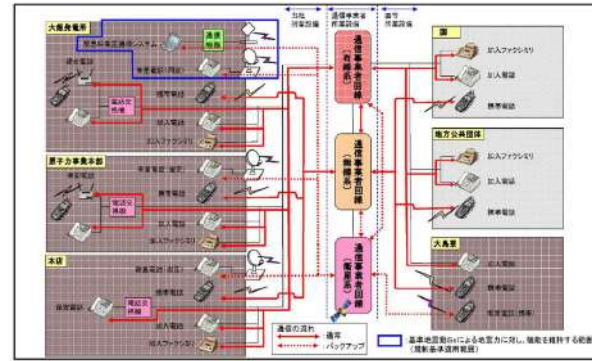
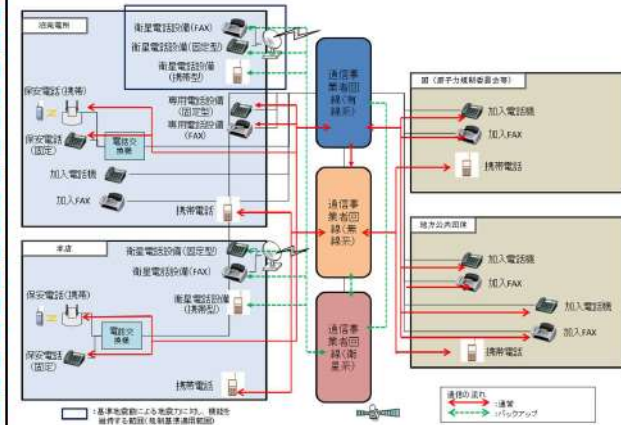


図4 通信設備（発電所外）の概要（社外関係箇所1/2）



第2.3-2図 通信連絡設備（発電所外【社外関係箇所】）の概要（その1）  
 （加入電話設備、専用電話設備、衛星電話設備、携帯電話）

【女川】設計方針の相違  
 ・2-2⑤記載のとおり



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

大飯発電所3/4号炉

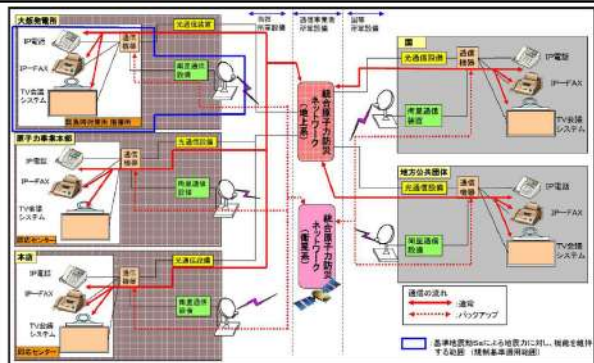
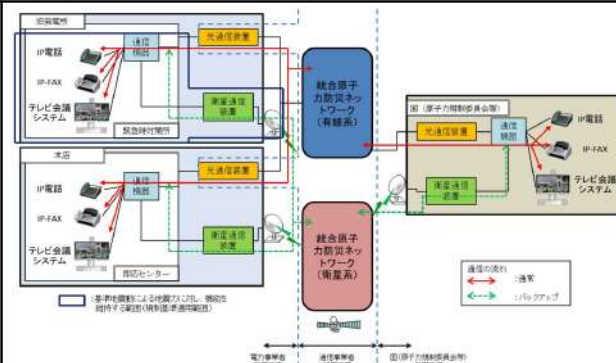


図5 通信設備（発電所外）の概要（社外関係箇所2/2）

女川原子力発電所2号炉



泊発電所3号炉



第2.3-3図 通信連絡設備（発電所外〔社外関係箇所〕）の概要（その2）  
 （統合原子力防災ネットワークを用いた通信連絡設備）

相違理由

DB/SAに係る内容(当図)

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3 / 4号炉 | 女川原子力発電所2号炉   | 泊発電所3号炉  | 相違理由   |
|--------------|---|--|--|
|              | <p><b>2.4 安全パラメータ表示システム(SPDS)及びデータ伝送設備</b></p> <p>緊急時対策所へ事故状態等の把握に必要なデータを伝送できる設備として、<b>データ収集装置</b>、<b>SPDS 伝送装置</b>及び<b>SPDS 表示装置</b>で構成する<b>安全パラメータ表示システム(SPDS)</b>を設置する設計とする。</p> <p>また、発電所内から発電所外の緊急時対策支援システム(ERSS)へ必要なデータを伝送できる設備として、<b>SPDS 伝送装置</b>で構成する<b>データ伝送設備</b>を設置する設計とする。</p> <p><b>データ伝送設備は、データ収集装置からデータを収集し、緊急時対策支援システム(ERSS)へ必要なデータを伝送可能な設計とし、常時使用できるよう、通信事業者が提供する特定顧客専用の統合原子力防災ネットワーク(有線系及び衛星系)に接続し、多様性を確保するとともに、専用の電力保安通信用回線(有線系及び無線系)及び通信事業者が提供する専用の衛星無線通信回線(衛星系)にも接続し多様性を確保する設計とする。概要を第2.4-1図に示す。</b></p> <p>なお、<b>安全パラメータ表示システム(SPDS)及びデータ伝送設備のうち、設計基準対象施設であるデータ収集装置、SPDS 伝送装置及びSPDS 表示装置は、重大事故等時においても使用し、重大事故等が発生した場合においても機能維持を図る設計とする。</b></p> <p><b>安全パラメータ表示システム(SPDS)における発電所内建屋間の有線系回線の構成は、2号炉と緊急時対策所間を直接接続する設計とする。</b></p> <p><b>万が一、有線系回線に損傷が発生し有線系回線によるデータ伝送の機能が喪失した場合、無線通信装置により、発電所内建屋間のデータ伝送が継続可能な設計とする。</b></p> <p><b>安全パラメータ表示システム(SPDS)及びデータ伝送設備については、定期的な機能・性能の確認及び外観の確認により適切な保守管理を行い、常時使用できることを確認する。</b></p> | <p><b>2.4 データ伝送設備(発電所内)及びデータ伝送設備(発電所外)</b></p> <p>緊急時対策所へ事故状態等の把握に必要なデータを伝送できる設備として、<b>データ収集計算機</b>及び<b>データ表示端末</b>で構成する<b>データ伝送設備(発電所内)</b>を設置する設計とする。</p> <p>また、発電所内から発電所外の緊急時対策支援システム(ERSS)へ必要なデータを伝送できる設備として、<b>データ収集計算機及びERSS伝送サーバ</b>で構成する<b>データ伝送設備(発電所外)</b>を設置する設計とする。</p> <p><b>データ伝送設備(発電所外)は、データ収集計算機からデータを収集し、緊急時対策支援システム(ERSS)へ必要なデータを伝送可能な設計とし、常時使用できるよう、通信事業者が提供する特定顧客専用の統合原子力防災ネットワーク(有線系及び衛星系)に接続し、多様性を確保するとともに、専用の電力保安通信用回線(有線系及び無線系)及び通信事業者が提供する専用の衛星無線通信回線(衛星系)にも接続し多様性を確保する設計とする。概要を第2.4-1図に示す。</b></p> <p>なお、<b>データ伝送設備(発電所内)及びデータ伝送設備(発電所外)のうち、設計基準対象施設であるデータ収集計算機、ERSS伝送サーバ及びデータ表示端末は、重大事故等時においても使用し、重大事故等が発生した場合においても機能維持を図る設計とする。</b></p> <p><b>データ伝送設備(発電所内)における発電所内建屋間の有線系回線の構成は、3号炉と緊急時対策所間を直接接続する設計とする。</b></p> <p><b>万一、有線系回線に損傷が発生し有線系回線によるデータ伝送の機能が喪失した場合、無線通信装置により、発電所内建屋間のデータ伝送が継続可能な設計とする。</b></p> <p><b>データ伝送設備(発電所内)及びデータ伝送設備(発電所外)については、定期的な機能・性能の確認及び外観の確認により適切な保守管理を行い、常時使用できることを確認する。</b></p> | <p>DBに係る内容(当ページ)</p> <p>【女川】設計方針の相違<br/>・2-2⑩記載のとおり</p> <p>【女川】設計方針の相違<br/>・2-2⑩記載のとおり</p> <p>【女川】記載表現の相違<br/>・記載の統一(万ー)</p> |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

大飯発電所3/4号炉

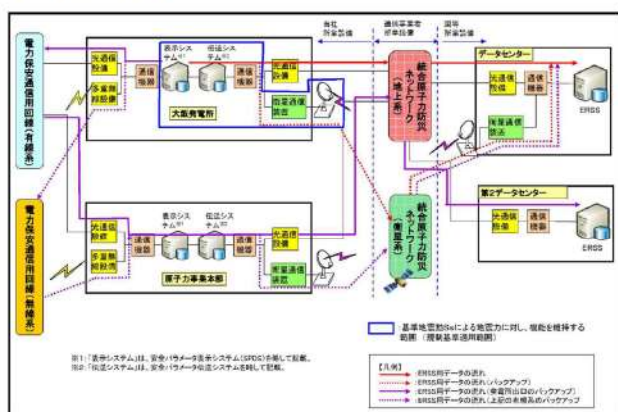
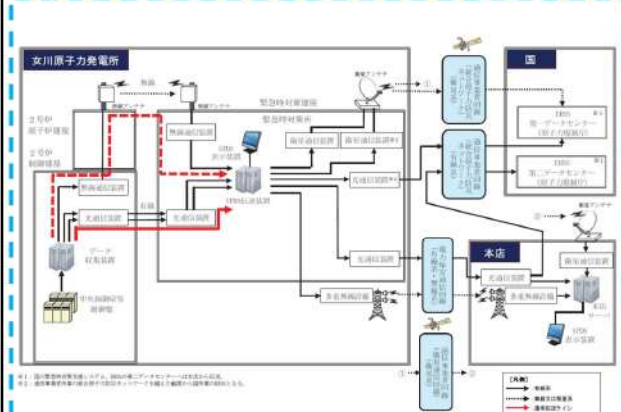


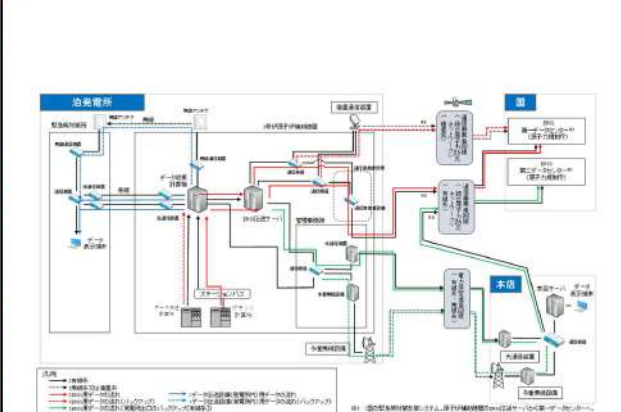
図6 データ伝送設備（発電所外）の概要

女川原子力発電所2号炉



第2.4-1 図 安全パラメータ表示システム (SPDS) 及びデータ伝送設備の概要

泊発電所3号炉



第2.4-1 図 データ伝送設備（発電所内）及びデータ伝送設備（発電所外）の概要

相違理由  
 DB/SAに係る内容(当図)

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

大飯発電所3/4号炉

2.2 多様性を確保した専用通信回線

通信設備（発電所外）及びデータ伝送設備（発電所外）については、有線系、無線系又は衛星系回線による通信方式の多様性を備えた構成の専用通信回線に接続し、輻輳等による制限を受けることなく常時使用できる。

設備ごとに接続する通信回線について表1に記載し、その概要を図7に示す。

表1 多様性を確保した専用通信回線

| 主要設備                                   | 通信回線種別   | 専用             | 輻輳 | 必要容量  | 回線容量   |
|--|----------|----------------|----|---|--|
| 保安電話                                   | 電力保安通信回線 | 有線系(光ケーブル) 2方向 | ○◎ | <無線系><br>52Mbps<br>>512Kbps<br><有線系><br>64Kbps×8回線  | <無線系><br>52Mbps<br>>6Mbps<br><有線系><br>60Mbps |
|  |          | 無線系(衛星) 2方向    | ○◎ |   |  |
| 衛星保安電話                                 | 通信事業者回線  | 衛星系            | ○◎ | 996bps<br>(32Kbps×3台+996bps)  | 996bps                                       |
| 衛星電話(可搬)                               | 通信事業者回線  | 衛星系            | ○◎ | 32Kbps  | 32Kbps                                       |
| 社内テレビ会議システム                            | 電力保安通信回線 | 有線系(光ケーブル) 2方向 | ○◎ | 2Mbps   | 10Mbps                                       |
|  | 通信事業者回線  | 衛星系            | ○◎ | 384Kbps   | 1Mbps  |
| 加入電話<br>(災害時優先電話)                      | 通信事業者回線  | 有線系(タルケーブル)    | -△ | 10台   | -  |
| 携帯電話<br>(災害時優先電話)                      | 通信事業者回線  | 無線系            | -△ | 15台   | -  |
| 衛星電話                                   | 通信事業者回線  | 衛星系            | -○ | 8Kbps   | 144Kbps                                      |
| 統合原子力防災ネットワークに接続する通信連絡設備               | TV会議システム | 有線系(光ケーブル)     | ○◎ | 472Kbps <sup>※1</sup><br>(TV会議 384Kbps 1台<br>IP電話 88Kbps 1台<br>IP-FAX 2 <sup>※1</sup> 1台) | 5Mbps  |
|  |          | 無線系            | ○◎ | 210Kbps<br>(TV会議 128Kbps 1台<br>IP電話 32Kbps 1台<br>IP-FAX 50Kbps 1台)                        | 340Kbps                                      |
| データ伝送システム(データ伝送システム(SPD)、安機(発電所外)システム) | 電力保安通信回線 | 有線系(光ケーブル) 2方向 | ○◎ | 730Kbps   | 100Mbps                                      |
|  | 通信事業者回線  | 無線系(衛星) 2方向    | ○◎ | 730Kbps   | 1.5Mbps                                      |
| 緊急時衛星通信システム                            | 通信事業者回線  | 有線系(光ケーブル)     | ○◎ | 40Kbps <sup>※2</sup>  | 5Mbps  |
|  | 通信事業者回線  | 衛星系            | ○◎ | 40Kbps <sup>※2</sup>  | 340Kbps                                      |
| 無線伝送装置                                 | 無線回線     | 無線系なし          | ○◎ | 64Kbps  | 144Kbps                                      |

【凡例】 ◎：輻輳の恐れが少ない ○：輻輳の恐れが若干 △：一部回線に比べ輻輳されない ×：輻輳の恐れがある

※1：帯域幅が狭いため、5Mbpsでの空き容量で確保する。 ※2：号炉単位でデータ伝送しており、号炉毎の必要容量の最大値を記載。

女川原子力発電所2号炉

2.5 多様性を確保した通信回線

通信連絡設備（発電所外）及びデータ伝送設備については、有線系回線、無線系回線又は衛星系回線による通信方式の多様性を確保した通信回線に接続し、輻輳等による制限を受けることなく常時使用できる設計とする。多様性を確保した通信回線を第2.5-1表に記載するとともに、概要を第2.5-1図に示す。

なお、通信連絡設備（無線系）の通信手段は、意図的な妨害電波等への対策として、外部からの妨害電波等によって、機器が性能劣化を起こさずに正常に動作するよう対策を施し、かつ、傍受されにくいデジタル無線機等を設置する設計としている。

第2.5-1表 多様性を確保した通信回線

| 通信回線種別           | 主要設備                      | 機能                        | 専用        | 制限* |
|------------------|---------------------------|---------------------------|-----------|-----|
| 電力保安通信回線(光ケーブル)  | 電力保安通信用電話設備 <sup>※1</sup> | 固定電話機、FAX                 | 電話 ○ ◎    | ◎   |
|                  | 社内テレビ会議システム               | テレビ会議                     | ◎ ◎       | ◎   |
|                  | データ伝送設備                   | SPDS伝送装置                  | データ伝送 ○ ◎ | ◎   |
|                  | 無線系回線(多線無線)               | 電力保安通信用電話設備 <sup>※1</sup> | 電話 ○ ◎    | ◎   |
| 通信事業者回線(メタルケーブル) | 加入電話設備                    | 加入FAX                     | - ○       | ◎   |
|                  | 加入電話設備                    | 加入FAX                     | - ○       | ◎   |
|                  | 加入電話設備                    | 加入FAX                     | - ○       | ◎   |
|                  | 加入電話設備                    | 加入FAX                     | - ○       | ◎   |
| 通信事業者回線(無線系)     | 衛星電話設備(固定型)               | 衛星電話                      | - ○       | ◎   |
|                  | 衛星電話設備(携帯型)               | 衛星電話                      | - ○       | ◎   |
|                  | 電力保安通信用電話設備               | 電話                        | ○ ◎       | ◎   |
|                  | 社内テレビ会議システム               | テレビ会議                     | ◎ ◎       | ◎   |
| 通信事業者回線(光ケーブル)   | 専用電話設備                    | 専用電話                      | ○ ◎       | ◎   |
|                  | 専用電話設備                    | 専用電話                      | ○ ◎       | ◎   |
|                  | 専用電話設備                    | 専用電話                      | ○ ◎       | ◎   |
|                  | 専用電話設備                    | 専用電話                      | ○ ◎       | ◎   |
| 通信事業者回線(メタルケーブル) | 加入電話設備                    | 加入FAX                     | - ○       | ◎   |
|                  | 加入電話設備                    | 加入FAX                     | - ○       | ◎   |
|                  | 加入電話設備                    | 加入FAX                     | - ○       | ◎   |
|                  | 加入電話設備                    | 加入FAX                     | - ○       | ◎   |
| 通信事業者回線(無線系)     | 衛星電話設備(固定型)               | 衛星電話                      | - ○       | ◎   |
|                  | 衛星電話設備(携帯型)               | 衛星電話                      | - ○       | ◎   |
|                  | 電力保安通信用電話設備               | 電話                        | ○ ◎       | ◎   |
|                  | 専用電話設備                    | 専用電話                      | ○ ◎       | ◎   |
| 通信事業者回線(光ケーブル)   | 加入電話設備                    | 加入FAX                     | - ○       | ◎   |
|                  | 加入電話設備                    | 加入FAX                     | - ○       | ◎   |
|                  | 加入電話設備                    | 加入FAX                     | - ○       | ◎   |
|                  | 加入電話設備                    | 加入FAX                     | - ○       | ◎   |
| 通信事業者回線(無線系)     | 衛星電話設備(固定型)               | 衛星電話                      | - ○       | ◎   |
|                  | 衛星電話設備(携帯型)               | 衛星電話                      | - ○       | ◎   |
|                  | 電力保安通信用電話設備               | 電話                        | ○ ◎       | ◎   |
|                  | 専用電話設備                    | 専用電話                      | ○ ◎       | ◎   |
| 通信事業者回線(メタルケーブル) | 加入電話設備                    | 加入FAX                     | - ○       | ◎   |
|                  | 加入電話設備                    | 加入FAX                     | - ○       | ◎   |
|                  | 加入電話設備                    | 加入FAX                     | - ○       | ◎   |
|                  | 加入電話設備                    | 加入FAX                     | - ○       | ◎   |
| 通信事業者回線(無線系)     | 衛星電話設備(固定型)               | 衛星電話                      | - ○       | ◎   |
|                  | 衛星電話設備(携帯型)               | 衛星電話                      | - ○       | ◎   |
|                  | 電力保安通信用電話設備               | 電話                        | ○ ◎       | ◎   |
|                  | 専用電話設備                    | 専用電話                      | ○ ◎       | ◎   |

※1：無線加入電話設備に接続されており、発電所外への連絡も可能  
 ※2：通信の制限とは、輻輳のほか、災害発生時の通信事業者による通信制限を想定  
 ※3：制限時は、ほかの通信連絡設備で発電所外への連絡が可能

【凡例】 ◎：専用回線 -：非専用回線  
 ・通信の制限 ○：制限なし ○：制限の恐れが少ない ×：制限の恐れがある

泊発電所3号炉

2.5 多様性を確保した通信回線

通信連絡設備（発電所外）及びデータ伝送設備（発電所外）については、有線系回線、無線系回線又は衛星系回線による通信方式の多様性を確保した通信回線に接続し、輻輳等による制限を受けることなく常時使用できる設計とする。多様性を確保した通信回線を第2.5-1表に記載するとともに、概要を第2.5-1図に示す。

なお、通信連絡設備（無線系）の通信手段は、意図的な妨害電波等への対策として、外部からの妨害電波等によって、機器が性能劣化を起こさずに正常に動作するよう対策を施し、かつ、傍受されにくいデジタル無線機等を設置する設計としている。

第2.5-1表 多様性を確保した専用通信回線

| 通信回線種別           | 主要設備                      | 機能        | 専用        | 制限 |
|------------------|---------------------------|-----------|-----------|----|
| 電力保安通信回線(光ケーブル)  | 電力保安通信用電話設備 <sup>※1</sup> | 保安電話(固定)  | 電話 ○ ◎    | ◎  |
|                  | データ伝送設備(発電所外)             | EXSS伝送サーバ | データ伝送 ○ ◎ | ◎  |
|                  | 電力保安通信用電話設備 <sup>※1</sup> | 保安電話(固定)  | 電話 ○ ◎    | ◎  |
|                  | データ伝送設備(発電所外)             | EXSS伝送サーバ | データ伝送 ○ ◎ | ◎  |
| 通信事業者回線(メタルケーブル) | 加入電話設備                    | 加入電話機     | - ○       | ◎  |
|                  | 加入電話設備                    | 加入FAX     | - ○       | ◎  |
|                  | 加入電話設備                    | 加入FAX     | - ○       | ◎  |
|                  | 加入電話設備                    | 加入FAX     | - ○       | ◎  |
| 通信事業者回線(無線系)     | 衛星電話設備(固定型)               | 衛星電話      | - ○       | ◎  |
|                  | 衛星電話設備(携帯型)               | 衛星電話      | - ○       | ◎  |
|                  | 電力保安通信用電話設備               | 電話        | ○ ◎       | ◎  |
|                  | 専用電話設備                    | 専用電話      | ○ ◎       | ◎  |
| 通信事業者回線(光ケーブル)   | 加入電話設備                    | 加入電話機     | - ○       | ◎  |
|                  | 加入電話設備                    | 加入FAX     | - ○       | ◎  |
|                  | 加入電話設備                    | 加入FAX     | - ○       | ◎  |
|                  | 加入電話設備                    | 加入FAX     | - ○       | ◎  |
| 通信事業者回線(無線系)     | 衛星電話設備(固定型)               | 衛星電話      | - ○       | ◎  |
|                  | 衛星電話設備(携帯型)               | 衛星電話      | - ○       | ◎  |
|                  | 電力保安通信用電話設備               | 電話        | ○ ◎       | ◎  |
|                  | 専用電話設備                    | 専用電話      | ○ ◎       | ◎  |
| 通信事業者回線(メタルケーブル) | 加入電話設備                    | 加入電話機     | - ○       | ◎  |
|                  | 加入電話設備                    | 加入FAX     | - ○       | ◎  |
|                  | 加入電話設備                    | 加入FAX     | - ○       | ◎  |
|                  | 加入電話設備                    | 加入FAX     | - ○       | ◎  |
| 通信事業者回線(無線系)     | 衛星電話設備(固定型)               | 衛星電話      | - ○       | ◎  |
|                  | 衛星電話設備(携帯型)               | 衛星電話      | - ○       | ◎  |
|                  | 電力保安通信用電話設備               | 電話        | ○ ◎       | ◎  |
|                  | 専用電話設備                    | 専用電話      | ○ ◎       | ◎  |

※1：加入電話設備に接続されており、発電所外への連絡も可能  
 ※2：制限とは、輻輳のほか、災害発生時の通信事業者による通信制限を想定  
 ※3：制限時は、ほかの通信連絡設備で発電所外への連絡が可能

【凡例】 ◎：専用回線 -：非専用回線  
 ・通信の制限 ○：制限なし ○：制限の恐れが少ない ×：制限の恐れがある

相違理由

DBに係る内容(当ページ)

【大飯】記載表現の相違(女川審査実績の反映)

大飯：有線系、無線系又は衛星系回線、女川・泊：有線系回線、無線系回線又は衛星系回線

【大飯】記載表現の相違・女川・泊では必ずしも専用の通信回線ではないことから、通信回線と記載。

【大飯】記載方針の相違(女川審査実績を反映)



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所3/4号炉

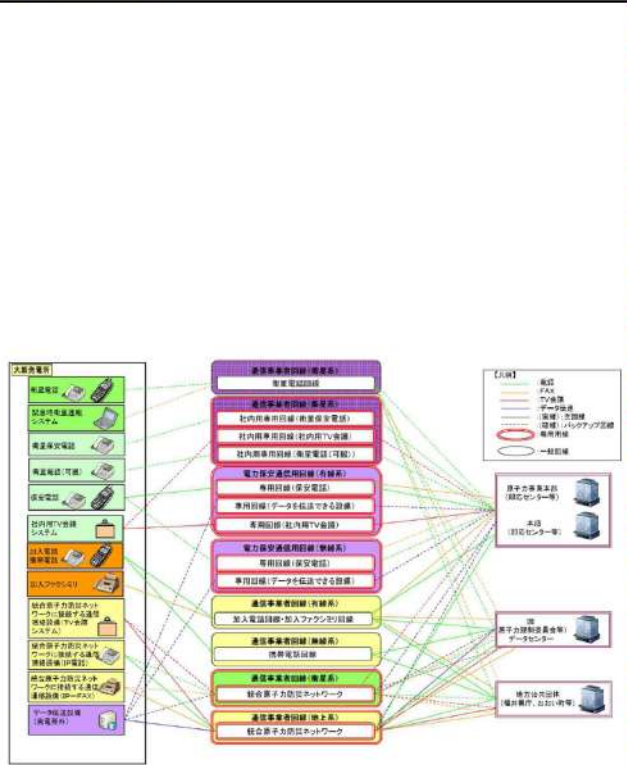
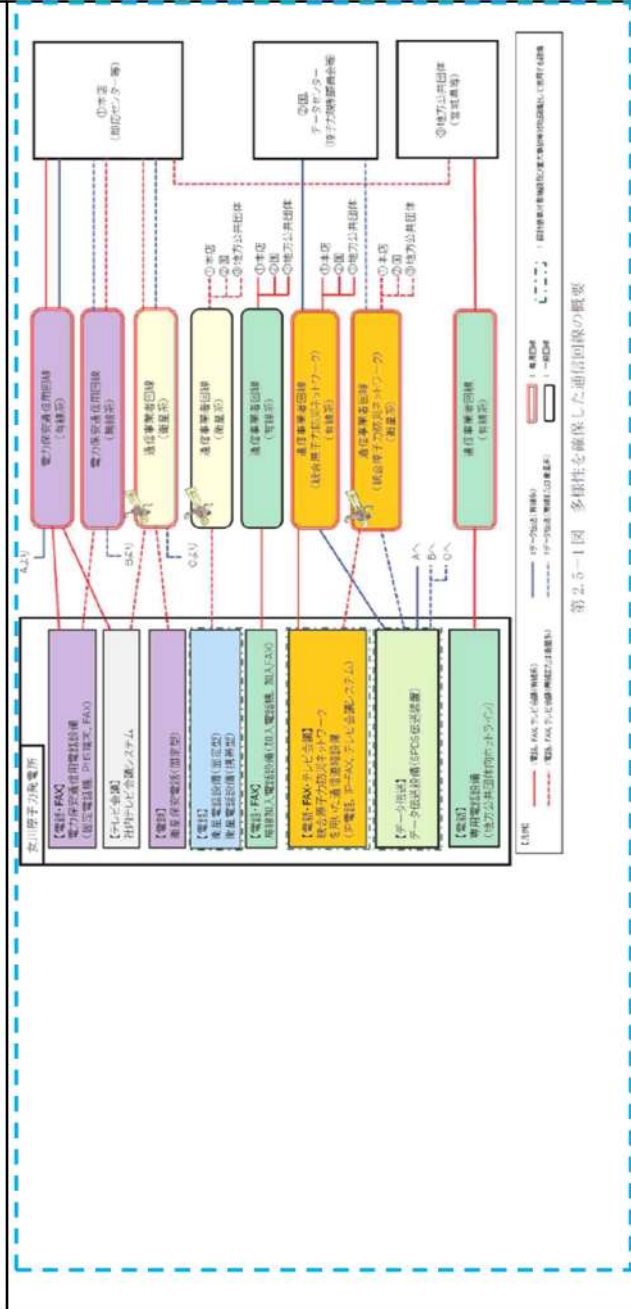


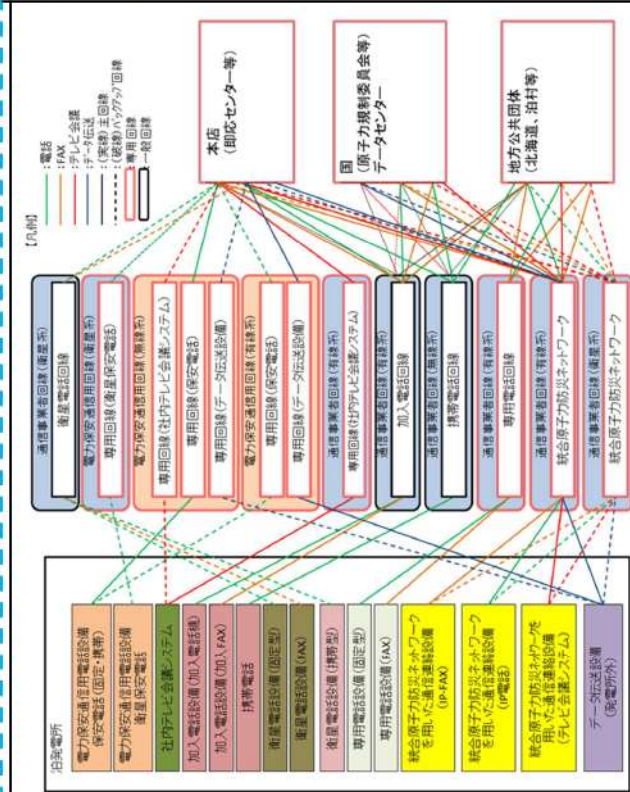
図7 多様性を確保した専用通信回線概要

女川原子力発電所2号炉



第2.5-1図 多様性を確保した通信回線の概要

泊発電所3号炉



第2.5-1図 多様性を確保した通信回線の概要

相違理由

DBに係る内容（当ページ）

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3/4号炉  | 女川原子力発電所2号炉  | 泊発電所3号炉  | 相違理由  |
|---|--|--|---|
| <p>2.3 通信連絡設備の電源及び代替電源設備</p> <p>通信連絡設備の電源については、<b>非常用所内電源</b>又は<b>無停電電源</b>から給電可能としている。又、重大事故等対処設備の通信連絡設備（衛星電話（固定）等）は、代替電源設備（電池等を含む。）から給電可能としている。通信連絡設備の電源接続系統図を図8～10に示し、接続電源の一覧を表2、3に記載する。</p> <p>図8は、大飯発電所3/4号炉の通信連絡設備の電源供給系統を示している。図には、非常用所内電源（4-202）、非常用所内電源（4-402）、非常用所内電源（4-3A）、非常用所内電源（4-4A）、非常用所内電源（4-3C2）、非常用所内電源（4-4C2）が示されている。また、3A、4A、3C2、4A1のディーゼル発電機、3A2、4A2の電子制御装置（CC）、3C2、4C2の発電機、3A1の電子制御装置（CC）も示されている。さらに、通信連絡設備用の電源として、保安電話、運転指令設備（S、4号）、飛行記録装置、衛星電話（固定）が示されている。図の下部には、保安電話、運転指令設備（ハンドセット）、運転指令設備（スピーカ）、衛星電話設備（固定型）、保安電話（携帯）、飛行記録装置の接続状況が示されている。</p> | <p>2.6 通信連絡設備の電源設備</p> <p>(1) 中央制御室<br/>             中央制御室における通信連絡設備は、外部電源喪失時、<b>非常用所内電源設備</b>である<b>非常用ディーゼル発電機</b>又は<b>無停電電源装置（充電器等を含む。）</b>から受電可能な設計とする。<br/>             さらに、中央制御室における<b>通信連絡設備</b>は、代替電源設備として常設代替交流電源設備である<b>ガスタービン発電機</b>又は<b>可搬型代替交流電源設備</b>である<b>電源車</b>から受電可能な設計とする。</p> <p>中央制御室における通信連絡設備の電源構成を第2.6-1図に示す。<br/>             また、通信連絡設備の電源設備を第2.6-1表、第2.6-2表、第2.6-3表及び第2.6-4表に示す。</p> <p>第2.6-1図は、女川原子力発電所2号炉の中央制御室における通信連絡設備の電源構成を示している。図には、非常用所内電源（4-202）、非常用所内電源（4-402）、非常用所内電源（4-3A）、非常用所内電源（4-4A）、非常用所内電源（4-3C2）、非常用所内電源（4-4C2）が示されている。また、3A、4A、3C2、4A1のディーゼル発電機、3A2、4A2の電子制御装置（CC）、3C2、4C2の発電機、3A1の電子制御装置（CC）も示されている。さらに、通信連絡設備用の電源として、保安電話、運転指令設備（S、4号）、飛行記録装置、衛星電話（固定）が示されている。図の下部には、保安電話、運転指令設備（ハンドセット）、運転指令設備（スピーカ）、衛星電話設備（固定型）、保安電話（携帯）、飛行記録装置の接続状況が示されている。</p> | <p>2.6 通信連絡設備の電源設備</p> <p>(1) 中央制御室<br/>             中央制御室における通信連絡設備は、外部電源喪失時、<b>非常用電源設備</b>である<b>ディーゼル発電機</b>又は<b>無停電電源</b>等から受電可能な設計とする。<br/>             さらに、中央制御室における<b>衛星電話設備（固定型）</b>は、代替電源設備として常設代替交流電源設備である<b>代替非常用発電機</b>又は<b>可搬型代替交流電源設備</b>である<b>可搬型代替電源車</b>から受電可能な設計とする。</p> <p>中央制御室における通信連絡設備の電源構成を第2.6-1図に示す。<br/>             また、通信連絡設備の電源設備を第2.6-1表に示す。</p> <p>第2.6-1図は、泊発電所3号炉の中央制御室における通信連絡設備の電源構成を示している。図には、非常用所内電源（4-202）、非常用所内電源（4-402）、非常用所内電源（4-3A）、非常用所内電源（4-4A）、非常用所内電源（4-3C2）、非常用所内電源（4-4C2）が示されている。また、3A、4A、3C2、4A1のディーゼル発電機、3A2、4A2の電子制御装置（CC）、3C2、4C2の発電機、3A1の電子制御装置（CC）も示されている。さらに、通信連絡設備用の電源として、保安電話、運転指令設備（S、4号）、飛行記録装置、衛星電話（固定）が示されている。図の下部には、保安電話、運転指令設備（ハンドセット）、運転指令設備（スピーカ）、衛星電話設備（固定型）、保安電話（携帯）、飛行記録装置の接続状況が示されている。</p> | <p>DB/SAに係る内容（当ページ）</p> <p>【大飯】記載表現の相違（女川審査実績を反映）<br/>             ・女川・泊ともに、大飯と同様 DB の通信連絡設備の電源にくわえ、SA 時の通信連絡設備の電源についても記載している（実質同様）</p> <p>【女川】設計方針の相違<br/>             泊では、無停電電源（UPS）の類、無停電電源装置、充電式電池、乾電池と設備によって様々な電源に接続されている状況から「無停電電源等」と表記。</p> <p>SAに係る内容（赤枠）</p> <p>【女川】設計方針の相違<br/>             ・電力保安通信用電話設備及び運転指令設備は代替電源からの給電する設計としていない。（大飯同様）</p> |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所3/4号炉

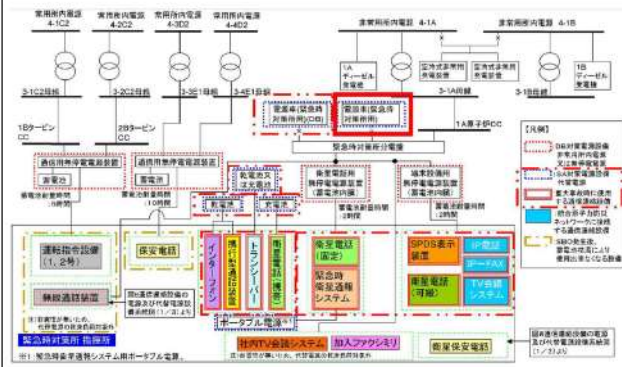


図9 通信連絡設備の電源及び代替電源設備系統図(2/3)

女川原子力発電所2号炉

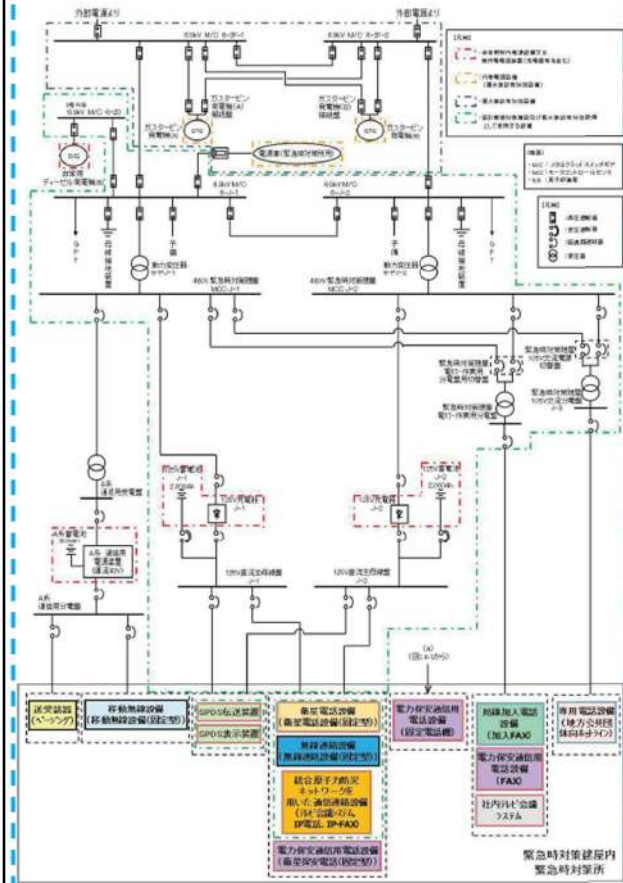
(2) 緊急時対策所

緊急時対策所における通信連絡設備は、外部電源喪失時、非常用所内電源設備である非常用ディーゼル発電機又は無停電電源装置（充電器等を含む。）から受電可能な設計とする。

さらに、緊急時対策所における通信連絡設備は、代替電源設備として常設代替交流電源設備であるガスタービン発電機又は緊急時対策所用代替交流電源設備である電源車（緊急時対策所用）から受電可能な設計とする。

緊急時対策所における通信連絡設備の電源構成を第2.6-2図に示す。

また、通信連絡設備の電源設備を第2.6-1表、第2.6-2表、第2.6-3表及び第2.6-4表に示す。



第2.6-2図 緊急時対策所における通信連絡設備の電源構成

泊発電所3号炉

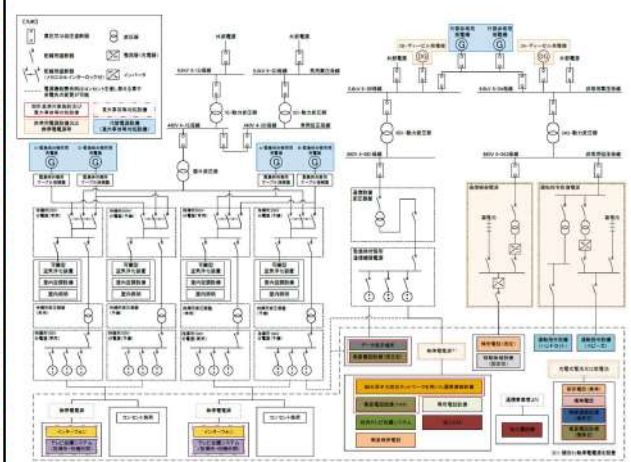
(2) 緊急時対策所

緊急時対策所における通信連絡設備は、外部電源喪失時、非常用電源設備であるディーゼル発電機又は無停電電源等から受電可能な設計とする。

さらに、緊急時対策所における通信連絡設備は、代替電源設備として常設代替交流電源設備である代替非常用発電機又は緊急時対策所用代替交流電源設備である緊急時対策所用発電機から受電可能な設計とする。

緊急時対策所における通信連絡設備の電源構成を第2.6-2図に示す。

また、通信連絡設備の電源設備を第2.6-1表及び第2.6-2表に示す。



第2.6-2図 緊急時対策所における通信連絡設備の電源構成

相違理由

DB/SAに係る内容（当ページ）

【大飯】記載方針の相違（女川審査実績を反映）

【女川】設計方針の相違  
 泊では、無停電電源（UPS）の類）、無停電電源装置、充電式電池、乾電池と設備によって様々な電源に接続されている状況から「無停電電源等」と表記。

SAに係る内容（赤枠）







赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所3/4号炉

女川原子力発電所2号炉

泊発電所3号炉

相違理由

第2.6-3表 通信連絡設備（発電所内及び発電所外）の電源設備（その2）

| 通信種別            | 主要設備    | 非常用電源設備<br>又は無停電電源等 | 代替電源設備                                |
|-----------------|---------|---------------------|---------------------------------------|
| 発電所内<br>データ伝送設備 | データ収集装置 | ボルトン<br>非常用電源       | ボルトン電源機（常設代替交流電源設備）<br>蓄電池（可搬型代替電源設備） |
|                 | データ表示端末 | 緊急時制御用<br>非常用電源     | ボルトン電源機（常設代替交流電源設備）<br>蓄電池（可搬型代替電源設備） |
|                 | データ表示装置 | 緊急時制御用<br>非常用電源     | ボルトン電源機（常設代替交流電源設備）<br>蓄電池（可搬型代替電源設備） |
|                 | 緊急時監視装置 | ボルトン電源機<br>非常用電源    | ボルトン電源機（常設代替交流電源設備）<br>蓄電池（可搬型代替電源設備） |
| 発電所外<br>データ伝送設備 | 緊急時監視装置 | ボルトン電源機<br>非常用電源    | ボルトン電源機（常設代替交流電源設備）<br>蓄電池（可搬型代替電源設備） |
|                 | 緊急時監視装置 | 緊急時制御用<br>非常用電源     | ボルトン電源機（常設代替交流電源設備）<br>蓄電池（可搬型代替電源設備） |

※1：充電式電池による1時間連続使用可能。また、1日以内使用し、1日以内充電式電池と交換することにより1日以上連続して連続使用可能であり、使用後充電式電池の充電設備にて充電可能。  
 ※2：蓄電池（非常用）にて約8時間使用可能。



第2.6-4表 通信連絡設備（発電所外）の電源設備

| 通信種別            | 主要設備               | 非常用電源設備<br>又は無停電電源等 | 代替電源設備                                |
|-----------------|--------------------|---------------------|---------------------------------------|
| 遠隔地大規模設備        | 無人電力線              | 緊急時制御用<br>非常用電源設備   | ボルトン電源機（常設代替交流電源設備）<br>蓄電池（可搬型代替電源設備） |
|                 | 無人1号               | 緊急時制御用<br>非常用電源設備   | ボルトン電源機（常設代替交流電源設備）<br>蓄電池（可搬型代替電源設備） |
| 発電所外<br>データ伝送設備 | データ収集装置<br>（有線、無線） | 緊急時制御用<br>非常用電源設備   | ボルトン電源機（常設代替交流電源設備）<br>蓄電池（可搬型代替電源設備） |
|                 | データ表示装置<br>（有線、無線） | 緊急時制御用<br>非常用電源設備   | ボルトン電源機（常設代替交流電源設備）<br>蓄電池（可搬型代替電源設備） |
| 発電所外<br>データ伝送設備 | データ表示装置<br>（有線、無線） | 緊急時制御用<br>非常用電源設備   | ボルトン電源機（常設代替交流電源設備）<br>蓄電池（可搬型代替電源設備） |
| 遠隔地大規模設備        | 緊急時監視装置<br>（有線、無線） | 緊急時制御用<br>非常用電源設備   | ボルトン電源機（常設代替交流電源設備）<br>蓄電池（可搬型代替電源設備） |
| 遠隔地大規模設備        | 緊急時監視装置<br>（有線、無線） | 緊急時制御用<br>非常用電源設備   | ボルトン電源機（常設代替交流電源設備）<br>蓄電池（可搬型代替電源設備） |

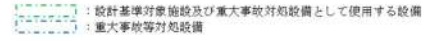
※1：設計基準対象施設及び重大事故対応設備として使用する設備  
 ※2：蓄電池（非常用）にて約8時間使用可能。



第2.6-3表 データ伝送設備（発電所内）の電源設備

| 通信種別              | 主要設備     | 非常用電源設備<br>又は無停電電源等            | 代替電源設備  |
|-------------------|----------|--------------------------------|---|
| データ伝送設備<br>（発電所内） | データ表示端末  | 非常用電源設備<br>無停電電源 <sup>※1</sup> | 代替非常用発電機（常設代替交流電源設備）<br>緊急時制御用発電機（緊急時制御用代替<br>交流電源設備） |
|                   | データ収集計算機 | 非常用電源設備<br>無停電電源 <sup>※1</sup> | 代替非常用発電機（常設代替交流電源設備）<br>可搬型代替電源車（可搬型代替交流電源設備）         |

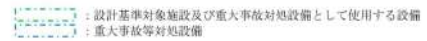
※1：充電式電池は、代替非常用発電機又は緊急時対策用発電機から充電可能であり、使用時間を延長できる。  
 ※2：蓄電池（非常用）にて約8時間使用可能。



第2.6-4表 データ伝送設備（発電所外）の電源設備

| 通信種別              | 主要設備      | 非常用電源設備<br>又は無停電電源等            | 代替電源設備  |
|-------------------|-----------|--------------------------------|---|
| データ伝送設備<br>（発電所外） | データ収集計算機  | 非常用電源設備<br>無停電電源 <sup>※1</sup> | 代替非常用発電機（常設代替交流電源設備）<br>可搬型代替電源車（可搬型代替交流電源設備） |
|                   | ERSS伝送サーバ | 非常用電源設備<br>無停電電源 <sup>※1</sup> | 代替非常用発電機（常設代替交流電源設備）<br>可搬型代替電源車（可搬型代替交流電源設備） |

※1：蓄電池（非常用）にて約8時間使用可能。



DB/SAに係る内容（当ページ）

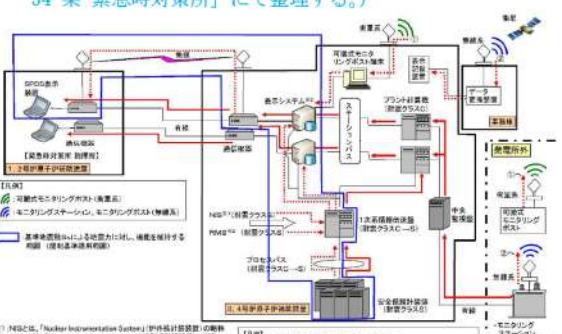
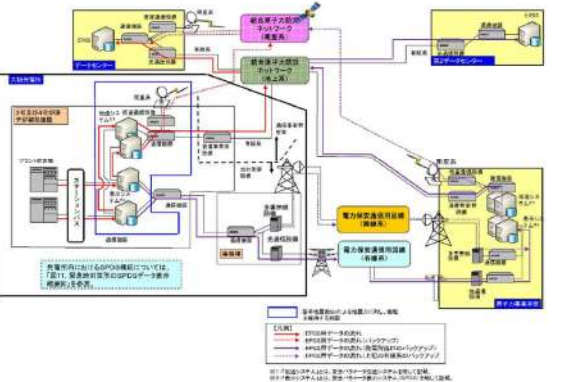
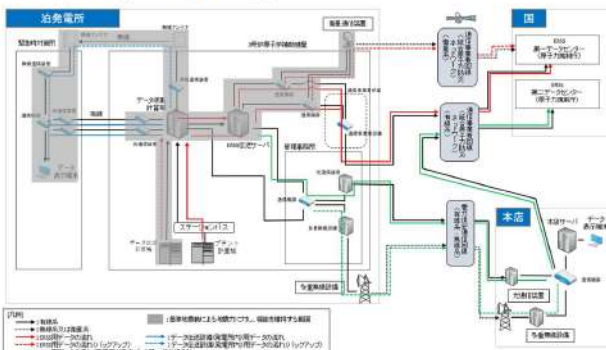
【女川】記載方針の相違  
 ・女川は発電所内・発電所内外・発電所外で整理されているが、泊は通信連絡設備（発電所内・外）、データ伝送設備（発電所内・外）で整理している

【女川】記載方針の相違  
 ・女川は発電所内・発電所内外・発電所外で整理されているが、泊は通信連絡設備（発電所内・外）、データ伝送設備（発電所内・外）で整理している





































































赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉  | 女川原子力発電所2号炉 | 泊発電所3号炉   | 相違理由   |
|---|-------------|---|--|
| <p>2.4 緊急時対策所の通信連絡設備及びSPDSデータ表示に係る耐震性</p> <p>緊急時対策所指揮所及び緊急時対策所待機場所に設置する通信連絡設備については、<b>基準地震動Ss</b>による地震力に対し、機能を維持するため、設置する机等の転倒防止及び通信端末の落下防止の措置を講じる。</p> <p>また、<b>緊急時対策所指揮所のSPDSデータ表示に係る機能及び緊急時対策支援システム（ERSS）等</b>へデータを伝送するための機能に関しては、<b>安全パラメータ表示システム（SPDS）及び安全パラメータ伝送システムを耐震性を有する3号及び4号炉原子炉補助建屋に設置し、基準地震動Ssによる地震力に対し、機能を喪失しないように耐震性を確保する設計としている。</b></p> <p>概要を図11、12に示す。（SPDS表示装置については、「第34条 緊急時対策所」にて整理する。）</p>  <p>図11 緊急時対策所のSPDSデータ表示概要図</p>  <p>図12 緊急時対策支援システム（ERSS）等へ伝送できる設備概要</p> |             | <p>2.7 緊急時対策所の通信連絡設備及びSPDSパラメータ表示に係る耐震性</p> <p>緊急時対策所に設置する通信連絡設備については、<b>基準地震動</b>による地震力に対し、機能を維持するため、設置する机等の転倒防止及び通信端末の落下防止の措置を講じる。</p> <p>また、<b>緊急時対策所のSPDSパラメータ表示に係る機能及び緊急時対策支援システム（ERSS）</b>へデータを伝送するための機能に関しては、<b>データ収集計算機及びERSS伝送サーバを耐震性を有する3号炉原子炉補助建屋に設置し、基準地震動による地震力に対し、機能を喪失しないように耐震性を確保する設計としている。</b></p> <p>概要を第2.7-1図に示す。</p>  <p>第2.7-1図 緊急時対策所の通信連絡設備に係る耐震性の概要</p> | <p>SAに係る内容（当ページ）</p> <p>【女川】記載方針の相違（大飯審査実績の反映）<br/>             ・女川は参考資料の参考8に耐震措置について記載している。泊は、大飯審査実績を踏まえ、本項に記載しつつ、女川審査実績を踏まえ参考8にも耐震措置について記載している（女川・泊の参考8比較は別途参考資料の比較表に記載）。なお、メーカ設計が同様である大飯の耐震性確保の範囲は泊と同様である。</p> <p>（女川に記載がないため、大飯との相違識別）</p> <p>【大飯】記載表現の相違<br/>             ・大飯：SPDSデータ、泊：SPDSパラメータ</p> <p>【大飯】記載方針の相違（女川審査実績を反映）<br/>             ・泊は、伝送先がERSSしかないことから「等」は記載していない。</p> <p>【大飯】記載方針の相違<br/>             大飯ではSPDS表示装置については、「34条」で整理するとしているが、泊3号炉では女川審査実績を踏まえ、SPDS表示端末について35条上で整理することとし、参考8にSPDS表示端末の耐震措置一覧を記載している。</p> |








































赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉   | 女川原子力発電所2号炉   | 泊発電所3号炉   | 相違理由  |   |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
|--|---|---|---|---|----------|---|---|---|---|---|---------|---|------------------|--|----|---|------------------------------|---|---|---|---|--|---|---|--------|---|---|---|--|----------------|---------|----------------|----|----|---------------------|--|-------|---|---|--|---|------------------|---|---|------------------|---|---|--|---|--|---|--|--|---|--------|---|---|--|--|--|-----------------------------------|---|--|---|--------|---------------------------------|---|--|---|--|--|---|--|---|--------|----------------|---|--|---|--|--------|--|--|---|--------|------------------|---|--|---|--|-----------------|---|--|---|---|
| <p>参考1 通信連絡設備の一覧</p> <p>発電所内及び発電所外において必要な箇所と通信連絡を行うための設備について、保管場所及び配備台数を参考第1.1-1表、参考第1.1-2表及び参考第1.1-3表に示す。</p> <p>通信連絡設備の保管に当たっては、保管環境（温度、湿度、振動等）を考慮した設計とする。</p> <p>重大事故等が発生した場合においても使用する通信連絡設備についての保管に当たっては、有効性評価において想定する時間に対して影響がなく速やかに使用できるよう考慮した設計とする。また、保守点検時及び設備が故障した場合においても速やかに代替機器を準備できるよう予備品を配備する。</p> <p>保管場所及び配備台数については、訓練により実効性を確認し、必要に応じて適宜改善を図ることとする。</p>  | <p>参考1 通信連絡設備の一覧</p> <p>発電所内及び発電所外において必要な箇所と通信連絡を行うための設備について、保管場所及び配備台数を参考第1.1-1表、参考第1.1-2表及び参考第1.1-3表に示す。</p> <p>通信連絡設備の保管に当たっては、保管環境（温度、湿度、振動等）を考慮した設計とする。</p> <p>重大事故等が発生した場合においても使用する通信連絡設備についての保管に当たっては、有効性評価において想定する時間に対して影響がなく速やかに使用できるよう考慮した設計とする。また、保守点検時及び設備が故障した場合においても速やかに代替機器を準備できるよう予備品を配備する。</p> <p>保管場所及び配備台数については、訓練により実効性を確認し、必要に応じて適宜改善を図ることとする。</p> | <p>参考1 通信連絡設備の一覧</p> <p>発電所内及び発電所外において必要な箇所と通信連絡を行うための設備について、保管場所及び配備台数を参考第1.1-1表、参考第1.1-2表及び参考第1.1-3表に示す。</p> <p>通信連絡設備の保管に当たっては、保管環境（温度、湿度、振動等）を考慮した設計とする。</p> <p>重大事故等が発生した場合においても使用する通信連絡設備についての保管に当たっては、有効性評価において想定する時間に対して影響がなく速やかに使用できるよう考慮した設計とする。また、保守点検時及び設備が故障した場合においても速やかに代替機器を準備できるよう予備品を配備する。</p> <p>保管場所及び配備台数については、訓練により実効性を確認し、必要に応じて適宜改善を図ることとする。</p> | <p>DB/SAに係る内容（当ページ）</p>   |   |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
| <p>表1 警報装置</p> <table border="1"> <thead> <tr> <th>主要設備</th> <th>台数・設置場所</th> <th>新規別添要<br/>取付 新規</th> <th>写真</th> </tr> </thead> <tbody> <tr> <td>事故一斉放送装置</td> <td>1式</td> <td>○</td> <td><br/>運転指令装置のスピーカースピーカーを使用</td> </tr> </tbody> </table>  | 主要設備  | 台数・設置場所   | 新規別添要<br>取付 新規  | 写真  | 事故一斉放送装置 | 1式  | ○ | <br>運転指令装置のスピーカースピーカーを使用 | <p>参考第1.1-1表 通信連絡設備の一覧（通信連絡設備（発電所内））</p> <p>通信連絡設備（発電所内）(1/4)</p> <table border="1"> <thead> <tr> <th rowspan="2">主要設備</th> <th rowspan="2">台数・保管場所</th> <th colspan="2">新規別添要<br/>取付 新規</th> <th rowspan="2">写真</th> </tr> <tr> <th>取付</th> <th>新規</th> </tr> </thead> <tbody> <tr> <td>送受信機<br/>(バーゼンダ)<br/>(警報装置を含む)</td> <td>527台<br/>・中央制御室：17台<br/>・緊急時対策所：2台<br/>・事務建屋等：508台</td> <td>○</td> <td></td> <td></td> </tr> <tr> <td></td> <td>930台<br/>・中央制御室：11台<br/>・緊急時対策所：2台<br/>・事務建屋等：922台</td> <td>○</td> <td></td> <td></td> </tr> </tbody> </table> <p>・台数については、今後、訓練等を通して見直しを行う。</p> | 主要設備  | 台数・保管場所 | 新規別添要<br>取付 新規  |                  | 写真   | 取付 | 新規  | 送受信機<br>(バーゼンダ)<br>(警報装置を含む) | 527台<br>・中央制御室：17台<br>・緊急時対策所：2台<br>・事務建屋等：508台   | ○ |   |  |  | 930台<br>・中央制御室：11台<br>・緊急時対策所：2台<br>・事務建屋等：922台 | ○   |        |  | <p>参考第1.1-1表 通信連絡設備の一覧（通信連絡設備（発電所内））</p> <p>通信連絡設備（発電所内）</p> <table border="1"> <thead> <tr> <th rowspan="2">主要設備</th> <th rowspan="2">台数・保管場所</th> <th colspan="2">新規別添要<br/>取付 新規</th> <th rowspan="2">写真</th> </tr> <tr> <th>取付</th> <th>新規</th> </tr> </thead> <tbody> <tr> <td>運転指令装置<br/>(警報装置を含む)</td> <td>102台<br/>・5号機 警報：18台<br/>・中央制御室：4台<br/>・緊急時対策所：2台</td> <td>○</td> <td></td> <td></td> </tr> <tr> <td></td> <td>スピーカ</td> <td>○</td> <td></td> <td></td> </tr> <tr> <td>電力保安通信用<br/>電話設備*</td> <td>保安電話(固定)<br/>約400台<br/>・発電所内 約400台</td> <td>○</td> <td></td> <td></td> </tr> <tr> <td></td> <td>保安電話(携帯)<br/>約1,600台<br/>・発電所内 約1,600台<br/>充電機 約1,600台</td> <td>○</td> <td></td> <td></td> </tr> <tr> <td>携帯伝送装置</td> <td>26台(予備12台含む)<br/>・中央制御室 12台<br/>・中央制御室12室 12室</td> <td>○</td> <td></td> <td></td> </tr> <tr> <td></td> <td>通話装置用ケーブル<br/>28台<br/>・中央制御室12室 28台</td> <td>○</td> <td></td> <td></td> </tr> <tr> <td>警報電話設備</td> <td>4台**<br/>・緊急時対策所 3台<br/>・中央制御室 1台</td> <td>○</td> <td></td> <td></td> </tr> <tr> <td></td> <td>29台**<br/>・中央制御室 2台<br/>・緊急時対策所 15台<br/>・消防車庫、可成り等 12台<br/>充電機 29台</td> <td>○</td> <td></td> <td></td> </tr> <tr> <td>無線連絡設備</td> <td>7台<br/>・消防車庫 7台</td> <td>○</td> <td></td> <td></td> </tr> <tr> <td></td> <td>次機庫 9台</td> <td></td> <td></td> <td></td> </tr> <tr> <td>移動無線設備</td> <td>1台<br/>・緊急時対策所 1台</td> <td>○</td> <td></td> <td></td> </tr> <tr> <td></td> <td>1台<br/>・送受信装置 1台</td> <td>○</td> <td></td> <td></td> </tr> </tbody> </table> | 主要設備  | 台数・保管場所  | 新規別添要<br>取付 新規 |         | 写真             | 取付 | 新規 | 運転指令装置<br>(警報装置を含む) | 102台<br>・5号機 警報：18台<br>・中央制御室：4台<br>・緊急時対策所：2台 | ○     |   |  |  | スピーカ  | ○                |   |  | 電力保安通信用<br>電話設備* | 保安電話(固定)<br>約400台<br>・発電所内 約400台  | ○ |  |  |  | 保安電話(携帯)<br>約1,600台<br>・発電所内 約1,600台<br>充電機 約1,600台                                   | ○  |  |  | 携帯伝送装置 | 26台(予備12台含む)<br>・中央制御室 12台<br>・中央制御室12室 12室 | ○ |  |  |  | 通話装置用ケーブル<br>28台<br>・中央制御室12室 28台 | ○ |  |  | 警報電話設備 | 4台**<br>・緊急時対策所 3台<br>・中央制御室 1台 | ○ |  |  |  | 29台**<br>・中央制御室 2台<br>・緊急時対策所 15台<br>・消防車庫、可成り等 12台<br>充電機 29台 | ○ |  |  | 無線連絡設備 | 7台<br>・消防車庫 7台 | ○ |  |  |  | 次機庫 9台 |  |  |  | 移動無線設備 | 1台<br>・緊急時対策所 1台 | ○ |  |  |  | 1台<br>・送受信装置 1台 | ○ |  |  | <p>【大飯】記載方針の相違<br/>         (女川実績の反映)<br/>         ・大飯は警報装置を独立して表に記載<br/>         ・表構成の相違</p> |
| 主要設備   | 台数・設置場所   | 新規別添要<br>取付 新規  | 写真  |   |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
| 事故一斉放送装置   | 1式  | ○   | <br>運転指令装置のスピーカースピーカーを使用     |   |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
| 主要設備   | 台数・保管場所   | 新規別添要<br>取付 新規  |   | 写真  |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
|  |   | 取付  | 新規  |   |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
| 送受信機<br>(バーゼンダ)<br>(警報装置を含む)   | 527台<br>・中央制御室：17台<br>・緊急時対策所：2台<br>・事務建屋等：508台   | ○   |   |    |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
|  | 930台<br>・中央制御室：11台<br>・緊急時対策所：2台<br>・事務建屋等：922台   | ○   |   |    |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
| 主要設備   | 台数・保管場所   | 新規別添要<br>取付 新規  |   | 写真  |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
|  |   | 取付  | 新規  |   |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
| 運転指令装置<br>(警報装置を含む)  | 102台<br>・5号機 警報：18台<br>・中央制御室：4台<br>・緊急時対策所：2台  | ○   |   |    |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
|  | スピーカ  | ○   |   |    |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
| 電力保安通信用<br>電話設備*   | 保安電話(固定)<br>約400台<br>・発電所内 約400台  | ○   |   |    |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
|  | 保安電話(携帯)<br>約1,600台<br>・発電所内 約1,600台<br>充電機 約1,600台   | ○   |   |    |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
| 携帯伝送装置   | 26台(予備12台含む)<br>・中央制御室 12台<br>・中央制御室12室 12室   | ○   |   |   |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
|  | 通話装置用ケーブル<br>28台<br>・中央制御室12室 28台   | ○   |   |  |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
| 警報電話設備   | 4台**<br>・緊急時対策所 3台<br>・中央制御室 1台   | ○   |   |  |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
|  | 29台**<br>・中央制御室 2台<br>・緊急時対策所 15台<br>・消防車庫、可成り等 12台<br>充電機 29台  | ○   |   |  |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
| 無線連絡設備   | 7台<br>・消防車庫 7台  | ○   |   |  |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
|  | 次機庫 9台  |   |   |  |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
| 移動無線設備   | 1台<br>・緊急時対策所 1台  | ○   |   |  |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
|  | 1台<br>・送受信装置 1台   | ○   |   |  |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
| <p>表2 発電所内の通信設備（発電所内）(1/2)</p> <table border="1"> <thead> <tr> <th>主要設備</th> <th>台数・設置場所</th> <th>新規別添要<br/>取付 新規</th> <th>写真</th> </tr> </thead> <tbody> <tr> <td>運転指令装置</td> <td>1. 2号炉<br/>送受信機<br/>全体台数：200台<br/>緊急時対策所 指揮所 : 1台<br/>事務所等 : 199台</td> <td>○</td> <td></td> </tr> <tr> <td></td> <td>3. 4号炉<br/>送受信機<br/>全体台数：270台<br/>中央制御室 : 14台<br/>事務所等 : 256台</td> <td>○</td> <td><br/>スピーカ</td> </tr> <tr> <td>電力保安通信用<br/>電話設備*</td> <td>保安電話<br/>(固定)<br/>全体台数：約880台<br/>緊急時対策所 指揮所 : 2台<br/>中央制御室 : 7台<br/>事務所等 : 871台</td> <td>○</td> <td></td> </tr> <tr> <td></td> <td>保安電話<br/>(携帯)<br/>全体台数：約890台<br/>緊急時対策所 指揮所 : 10台<br/>緊急時対策所 待機場所 : 4台<br/>中央制御室 : 8台<br/>事務所等 : 868台</td> <td>○</td> <td></td> </tr> <tr> <td>トランシーバー</td> <td>全体台数：33台(予備3台含む)<br/>緊急時対策所 指揮所 : 33台(予備3台)</td> <td>○</td> <td></td> </tr> <tr> <td>無線連絡設備</td> <td>全体台数：2台**<br/>緊急時対策所 指揮所 : 1台<br/>移動式放射形固定装置(モータ車) : 1台</td> <td>△</td> <td><br/>△ 権利関係でなく、自主に設置している設備。</td> </tr> </tbody> </table> <p>注1：発電所内用9台含む。<br/>         注2：緊急時対策所指揮所は固定型。移動式放射形固定装置(モータ車)には半固定型設置。<br/>         △：権利関係でなく、自主に設置している設備。</p> | 主要設備  | 台数・設置場所   | 新規別添要<br>取付 新規  | 写真  | 運転指令装置   | 1. 2号炉<br>送受信機<br>全体台数：200台<br>緊急時対策所 指揮所 : 1台<br>事務所等 : 199台 | ○ |                        |   | 3. 4号炉<br>送受信機<br>全体台数：270台<br>中央制御室 : 14台<br>事務所等 : 256台 | ○       | <br>スピーカ | 電力保安通信用<br>電話設備* | 保安電話<br>(固定)<br>全体台数：約880台<br>緊急時対策所 指揮所 : 2台<br>中央制御室 : 7台<br>事務所等 : 871台 | ○  |  |                              | 保安電話<br>(携帯)<br>全体台数：約890台<br>緊急時対策所 指揮所 : 10台<br>緊急時対策所 待機場所 : 4台<br>中央制御室 : 8台<br>事務所等 : 868台 | ○ |  | トランシーバー   | 全体台数：33台(予備3台含む)<br>緊急時対策所 指揮所 : 33台(予備3台) | ○   |  | 無線連絡設備 | 全体台数：2台**<br>緊急時対策所 指揮所 : 1台<br>移動式放射形固定装置(モータ車) : 1台                               | △   | <br>△ 権利関係でなく、自主に設置している設備。 | <p>通信連絡設備（発電所内）(2/4)</p> <table border="1"> <thead> <tr> <th rowspan="2">主要設備</th> <th rowspan="2">台数・保管場所</th> <th colspan="2">新規別添要<br/>取付 新規</th> <th rowspan="2">写真</th> </tr> <tr> <th>取付</th> <th>新規</th> </tr> </thead> <tbody> <tr> <td>固定電話機</td> <td>329台<br/>・中央制御室：8台<br/>・緊急時対策所：12台<br/>・事務建屋等：312台</td> <td>○</td> <td></td> <td></td> </tr> <tr> <td>電力保安通信用<br/>電話設備*</td> <td>507台<br/>・中央制御室：6台<br/>・緊急時対策所：12台<br/>・事務建屋等：489台</td> <td>○</td> <td></td> <td></td> </tr> <tr> <td></td> <td>12台<br/>・中央制御室：1台<br/>・緊急時対策所：1台<br/>・事務建屋等：10台</td> <td>○</td> <td></td> <td></td> </tr> </tbody> </table> <p>注：発電所内用と発電所外用で共用<br/>         ・台数については、今後、訓練等を通して見直しを行う。</p> | 主要設備           | 台数・保管場所 | 新規別添要<br>取付 新規 |    | 写真 | 取付                  | 新規   | 固定電話機 | 329台<br>・中央制御室：8台<br>・緊急時対策所：12台<br>・事務建屋等：312台 | ○   |  |  | 電力保安通信用<br>電話設備* | 507台<br>・中央制御室：6台<br>・緊急時対策所：12台<br>・事務建屋等：489台 | ○   |                  |  |   | 12台<br>・中央制御室：1台<br>・緊急時対策所：1台<br>・事務建屋等：10台 | ○   |  |  | <p>（注1）：発電所内と発電所外で共用<br/>         （注2）：設計基準事故時及び重大事故等時ともに使用する。<br/>         ・台数については、今後、訓練等を通して見直しを行う。</p> |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
| 主要設備   | 台数・設置場所   | 新規別添要<br>取付 新規  | 写真  |   |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
| 運転指令装置   | 1. 2号炉<br>送受信機<br>全体台数：200台<br>緊急時対策所 指揮所 : 1台<br>事務所等 : 199台   | ○   |                            |   |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
|  | 3. 4号炉<br>送受信機<br>全体台数：270台<br>中央制御室 : 14台<br>事務所等 : 256台   | ○   | <br>スピーカ                   |   |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
| 電力保安通信用<br>電話設備*   | 保安電話<br>(固定)<br>全体台数：約880台<br>緊急時対策所 指揮所 : 2台<br>中央制御室 : 7台<br>事務所等 : 871台  | ○   |                            |   |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
|  | 保安電話<br>(携帯)<br>全体台数：約890台<br>緊急時対策所 指揮所 : 10台<br>緊急時対策所 待機場所 : 4台<br>中央制御室 : 8台<br>事務所等 : 868台   | ○   |                            |   |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
| トランシーバー  | 全体台数：33台(予備3台含む)<br>緊急時対策所 指揮所 : 33台(予備3台)  | ○   |                            |   |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
| 無線連絡設備   | 全体台数：2台**<br>緊急時対策所 指揮所 : 1台<br>移動式放射形固定装置(モータ車) : 1台   | △   | <br>△ 権利関係でなく、自主に設置している設備。 |   |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
| 主要設備   | 台数・保管場所   | 新規別添要<br>取付 新規  |   | 写真  |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
|  |   | 取付  | 新規  |   |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
| 固定電話機  | 329台<br>・中央制御室：8台<br>・緊急時対策所：12台<br>・事務建屋等：312台   | ○   |   |  |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
| 電力保安通信用<br>電話設備*   | 507台<br>・中央制御室：6台<br>・緊急時対策所：12台<br>・事務建屋等：489台   | ○   |   |  |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |
|  | 12台<br>・中央制御室：1台<br>・緊急時対策所：1台<br>・事務建屋等：10台  | ○   |   |  |          |   |   |   |   |   |         |   |                  |  |    |   |                              |   |   |   |   |  |   |   |        |   |   |   |  |                |         |                |    |    |                     |  |       |   |   |  |   |                  |   |   |                  |   |   |  |   |  |   |  |  |   |        |   |   |  |  |  |                                   |   |  |   |        |                                 |   |  |   |  |  |   |  |   |        |                |   |  |   |  |        |  |  |   |        |                  |   |  |   |  |                 |   |  |   |   |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉  |   |                |   | 女川原子力発電所 2 号炉  |         |                |    | 泊発電所 3 号炉 |   | 相違理由 |   |   |                                    |   |  |                    |   |   |   |   |  |   |   |   |  |  |  |      |         |       |  |    |    |    |         |   |  |   |   |            |                               |  |   |   |        |   |   |  |   |        |               |   |  |   |        |   |  |   |   |        |                                 |  |   |   |  |  |   |
|---|---|----------------|---|--|---------|----------------|----|-----------|---|------|---|---|------------------------------------|---|--|--------------------|---|---|---|---|--|---|---|---|--|--|--|------|---------|-------|--|----|----|----|---------|---|--|---|---|------------|-------------------------------|--|---|---|--------|---|---|--|---|--------|---------------|---|--|---|--------|---|--|---|---|--------|---------------------------------|--|---|---|--|--|---|
| <p>表 3 発電所内の通信設備（発電所内）（2 / 2）</p> <table border="1"> <thead> <tr> <th>主要設備</th> <th>台数・設置場所</th> <th>新規別標準<br/>既存 新規</th> <th>写真</th> </tr> </thead> <tbody> <tr> <td>機行型通話装置</td> <td>                     全体台数：38台（予備9台含む）<br/>                     緊急時対策所 指揮所：2台<br/>                     緊急時対策所 待機場所：2台<br/>                     中央制御室：1台<br/>                     事務所等：16台                 </td> <td>○</td> <td></td> </tr> <tr> <td>通話装置用ケーブル</td> <td>                     全体台数：20台<br/>                     原子炉補助建屋：11台<br/>                     事務所等：9台                 </td> <td>○</td> <td></td> </tr> <tr> <td>衛星電話<sup>※1</sup></td> <td>                     固定<br/>                     全体台数：20台（予備10台含む）<br/>                     緊急時対策所 指揮所：5台<br/>                     中央制御室：5台<br/>                     （予備5台）<br/>                     携帯<br/>                     全体台数：39台（予備10台含む）<br/>                     緊急時対策所 指揮所：10台（予備10台）<br/>                     中央制御室：1台<br/>                     移動式放射能測定装置（モニタ車）：1台<br/>                     事務所等：16台                 </td> <td>○</td> <td></td> </tr> <tr> <td>インターフォン</td> <td>                     全体台数：6台（予備2台含む）<br/>                     緊急時対策所 指揮所：2台（予備1台）<br/>                     緊急時対策所 待機場所：2台（予備1台）                 </td> <td>○</td> <td></td> </tr> </tbody> </table> <p>※1：発電所内専用をさむ。</p> |   |                |   | 主要設備   | 台数・設置場所 | 新規別標準<br>既存 新規 | 写真 | 機行型通話装置   | 全体台数：38台（予備9台含む）<br>緊急時対策所 指揮所：2台<br>緊急時対策所 待機場所：2台<br>中央制御室：1台<br>事務所等：16台 | ○    |  | 通話装置用ケーブル                                 | 全体台数：20台<br>原子炉補助建屋：11台<br>事務所等：9台 | ○ |   | 衛星電話 <sup>※1</sup> | 固定<br>全体台数：20台（予備10台含む）<br>緊急時対策所 指揮所：5台<br>中央制御室：5台<br>（予備5台）<br>携帯<br>全体台数：39台（予備10台含む）<br>緊急時対策所 指揮所：10台（予備10台）<br>中央制御室：1台<br>移動式放射能測定装置（モニタ車）：1台<br>事務所等：16台 | ○ |  | インターフォン   | 全体台数：6台（予備2台含む）<br>緊急時対策所 指揮所：2台（予備1台）<br>緊急時対策所 待機場所：2台（予備1台） | ○ |  | <p>通信連絡設備（発電所内）（3/4）</p> <table border="1"> <thead> <tr> <th rowspan="2">主要設備</th> <th rowspan="2">台数・保管場所</th> <th colspan="2">新規別標準</th> <th rowspan="2">写真</th> </tr> <tr> <th>既存</th> <th>新規</th> </tr> </thead> <tbody> <tr> <td>機行型通話装置</td> <td>                     38台<br/>                     ・中央制御室：10台<br/>                     ・緊急時対策所：10台<br/>                     ・事務所等：10台                 </td> <td></td> <td>○</td> <td></td> </tr> <tr> <td>中継用ケーブルドラム</td> <td>                     5台<br/>                     ・中央制御室：3台<br/>                     ・緊急時対策所：2台                 </td> <td></td> <td>○</td> <td></td> </tr> <tr> <td>移動無線設備</td> <td>                     5台<br/>                     ・中央制御室：1台<br/>                     ・緊急時対策所：1台<br/>                     ・事務所等：3台                 </td> <td>○</td> <td></td> <td></td> </tr> <tr> <td>移動無線設備</td> <td>                     1台<br/>                     ・放射能観測車                 </td> <td>○</td> <td></td> <td></td> </tr> <tr> <td>無線連絡設備</td> <td>                     7台<br/>                     ・中央制御室：2台<br/>                     ・緊急時対策所：4台<br/>                     ・事務所等：1台                 </td> <td></td> <td>○</td> <td> <br/>                     無線連絡設備用電機装置 アンテナ<br/>                     【イメージ】                 </td> </tr> <tr> <td>無線連絡設備</td> <td>                     43台<br/>                     ・中央制御室：5台<br/>                     ・緊急時対策所：38台                 </td> <td></td> <td>○</td> <td> <br/>                     【イメージ】                 </td> </tr> </tbody> </table> <p>・台数については、今後、訓練等を通して見直しを行う。</p> |  |  |  | 主要設備 | 台数・保管場所 | 新規別標準 |  | 写真 | 既存 | 新規 | 機行型通話装置 | 38台<br>・中央制御室：10台<br>・緊急時対策所：10台<br>・事務所等：10台 |  | ○ |  | 中継用ケーブルドラム | 5台<br>・中央制御室：3台<br>・緊急時対策所：2台 |  | ○ |  | 移動無線設備 | 5台<br>・中央制御室：1台<br>・緊急時対策所：1台<br>・事務所等：3台 | ○ |  |  | 移動無線設備 | 1台<br>・放射能観測車 | ○ |  |  | 無線連絡設備 | 7台<br>・中央制御室：2台<br>・緊急時対策所：4台<br>・事務所等：1台 |  | ○ | <br>無線連絡設備用電機装置 アンテナ<br>【イメージ】 | 無線連絡設備 | 43台<br>・中央制御室：5台<br>・緊急時対策所：38台 |  | ○ | <br>【イメージ】 |  |  | <p>【大飯】記載方針の相違<br/>                     （女川実績の反映）<br/>                     ・構成の相違</p> |
| 主要設備  | 台数・設置場所   | 新規別標準<br>既存 新規 | 写真  |  |         |                |    |           |   |      |   |   |                                    |   |  |                    |   |   |   |   |  |   |   |   |  |  |  |      |         |       |  |    |    |    |         |   |  |   |   |            |                               |  |   |   |        |   |   |  |   |        |               |   |  |   |        |   |  |   |   |        |                                 |  |   |   |  |  |   |
| 機行型通話装置   | 全体台数：38台（予備9台含む）<br>緊急時対策所 指揮所：2台<br>緊急時対策所 待機場所：2台<br>中央制御室：1台<br>事務所等：16台   | ○              |  |  |         |                |    |           |   |      |   |   |                                    |   |  |                    |   |   |   |   |  |   |   |   |  |  |  |      |         |       |  |    |    |    |         |   |  |   |   |            |                               |  |   |   |        |   |   |  |   |        |               |   |  |   |        |   |  |   |   |        |                                 |  |   |   |  |  |   |
| 通話装置用ケーブル   | 全体台数：20台<br>原子炉補助建屋：11台<br>事務所等：9台  | ○              |  |  |         |                |    |           |   |      |   |   |                                    |   |  |                    |   |   |   |   |  |   |   |   |  |  |  |      |         |       |  |    |    |    |         |   |  |   |   |            |                               |  |   |   |        |   |   |  |   |        |               |   |  |   |        |   |  |   |   |        |                                 |  |   |   |  |  |   |
| 衛星電話 <sup>※1</sup>  | 固定<br>全体台数：20台（予備10台含む）<br>緊急時対策所 指揮所：5台<br>中央制御室：5台<br>（予備5台）<br>携帯<br>全体台数：39台（予備10台含む）<br>緊急時対策所 指揮所：10台（予備10台）<br>中央制御室：1台<br>移動式放射能測定装置（モニタ車）：1台<br>事務所等：16台 | ○              |  |  |         |                |    |           |   |      |   |   |                                    |   |  |                    |   |   |   |   |  |   |   |   |  |  |  |      |         |       |  |    |    |    |         |   |  |   |   |            |                               |  |   |   |        |   |   |  |   |        |               |   |  |   |        |   |  |   |   |        |                                 |  |   |   |  |  |   |
| インターフォン   | 全体台数：6台（予備2台含む）<br>緊急時対策所 指揮所：2台（予備1台）<br>緊急時対策所 待機場所：2台（予備1台）  | ○              |  |  |         |                |    |           |   |      |   |   |                                    |   |  |                    |   |   |   |   |  |   |   |   |  |  |  |      |         |       |  |    |    |    |         |   |  |   |   |            |                               |  |   |   |        |   |   |  |   |        |               |   |  |   |        |   |  |   |   |        |                                 |  |   |   |  |  |   |
| 主要設備  | 台数・保管場所   | 新規別標準          |   | 写真   |         |                |    |           |   |      |   |   |                                    |   |  |                    |   |   |   |   |  |   |   |   |  |  |  |      |         |       |  |    |    |    |         |   |  |   |   |            |                               |  |   |   |        |   |   |  |   |        |               |   |  |   |        |   |  |   |   |        |                                 |  |   |   |  |  |   |
|   |   | 既存             | 新規  |  |         |                |    |           |   |      |   |   |                                    |   |  |                    |   |   |   |   |  |   |   |   |  |  |  |      |         |       |  |    |    |    |         |   |  |   |   |            |                               |  |   |   |        |   |   |  |   |        |               |   |  |   |        |   |  |   |   |        |                                 |  |   |   |  |  |   |
| 機行型通話装置   | 38台<br>・中央制御室：10台<br>・緊急時対策所：10台<br>・事務所等：10台   |                | ○   |   |         |                |    |           |   |      |   |   |                                    |   |  |                    |   |   |   |   |  |   |   |   |  |  |  |      |         |       |  |    |    |    |         |   |  |   |   |            |                               |  |   |   |        |   |   |  |   |        |               |   |  |   |        |   |  |   |   |        |                                 |  |   |   |  |  |   |
| 中継用ケーブルドラム  | 5台<br>・中央制御室：3台<br>・緊急時対策所：2台   |                | ○   |   |         |                |    |           |   |      |   |   |                                    |   |  |                    |   |   |   |   |  |   |   |   |  |  |  |      |         |       |  |    |    |    |         |   |  |   |   |            |                               |  |   |   |        |   |   |  |   |        |               |   |  |   |        |   |  |   |   |        |                                 |  |   |   |  |  |   |
| 移動無線設備  | 5台<br>・中央制御室：1台<br>・緊急時対策所：1台<br>・事務所等：3台   | ○              |   |   |         |                |    |           |   |      |   |   |                                    |   |  |                    |   |   |   |   |  |   |   |   |  |  |  |      |         |       |  |    |    |    |         |   |  |   |   |            |                               |  |   |   |        |   |   |  |   |        |               |   |  |   |        |   |  |   |   |        |                                 |  |   |   |  |  |   |
| 移動無線設備  | 1台<br>・放射能観測車   | ○              |   |   |         |                |    |           |   |      |   |   |                                    |   |  |                    |   |   |   |   |  |   |   |   |  |  |  |      |         |       |  |    |    |    |         |   |  |   |   |            |                               |  |   |   |        |   |   |  |   |        |               |   |  |   |        |   |  |   |   |        |                                 |  |   |   |  |  |   |
| 無線連絡設備  | 7台<br>・中央制御室：2台<br>・緊急時対策所：4台<br>・事務所等：1台   |                | ○   | <br>無線連絡設備用電機装置 アンテナ<br>【イメージ】  |         |                |    |           |   |      |   |   |                                    |   |  |                    |   |   |   |   |  |   |   |   |  |  |  |      |         |       |  |    |    |    |         |   |  |   |   |            |                               |  |   |   |        |   |   |  |   |        |               |   |  |   |        |   |  |   |   |        |                                 |  |   |   |  |  |   |
| 無線連絡設備  | 43台<br>・中央制御室：5台<br>・緊急時対策所：38台   |                | ○   | <br>【イメージ】  |         |                |    |           |   |      |   |   |                                    |   |  |                    |   |   |   |   |  |   |   |   |  |  |  |      |         |       |  |    |    |    |         |   |  |   |   |            |                               |  |   |   |        |   |   |  |   |        |               |   |  |   |        |   |  |   |   |        |                                 |  |   |   |  |  |   |
| <p>通信連絡設備（発電所内）（4/4）</p> <table border="1"> <thead> <tr> <th rowspan="2">主要設備</th> <th rowspan="2">台数・保管場所</th> <th colspan="2">新規別標準</th> <th rowspan="2">写真</th> </tr> <tr> <th>既存</th> <th>新規</th> </tr> </thead> <tbody> <tr> <td>衛星電話設備<sup>*</sup></td> <td>                     7台<br/>                     ・中央制御室：2台<br/>                     ・緊急時対策所：4台<br/>                     ・事務所等：1台                 </td> <td></td> <td>○</td> <td> <br/>                     衛星電話設備用電機装置<br/> <br/>                     衛星電話設備用アンテナ<br/>                     【イメージ】                 </td> </tr> <tr> <td>衛星電話設備</td> <td>                     19台<br/>                     ・中央制御室：5台<br/>                     ・緊急時対策所：10台<br/>                     ・事務所等：3台                 </td> <td></td> <td>○</td> <td> <br/>                     【イメージ】                 </td> </tr> </tbody> </table> <p>※：発電所内と発電所外で共用<br/>                     ・台数については、今後、訓練等を通して見直しを行う。</p>   |   |                |   | 主要設備   | 台数・保管場所 | 新規別標準          |    | 写真        | 既存  | 新規   | 衛星電話設備 <sup>*</sup>   | 7台<br>・中央制御室：2台<br>・緊急時対策所：4台<br>・事務所等：1台 |                                    | ○ | <br>衛星電話設備用電機装置<br><br>衛星電話設備用アンテナ<br>【イメージ】 | 衛星電話設備             | 19台<br>・中央制御室：5台<br>・緊急時対策所：10台<br>・事務所等：3台   |   | ○   | <br>【イメージ】 |  |   |   |   |  |  |  |      |         |       |  |    |    |    |         |   |  |   |   |            |                               |  |   |   |        |   |   |  |   |        |               |   |  |   |        |   |  |   |   |        |                                 |  |   |   |  |  |   |
| 主要設備  | 台数・保管場所   | 新規別標準          |   |  |         | 写真             |    |           |   |      |   |   |                                    |   |  |                    |   |   |   |   |  |   |   |   |  |  |  |      |         |       |  |    |    |    |         |   |  |   |   |            |                               |  |   |   |        |   |   |  |   |        |               |   |  |   |        |   |  |   |   |        |                                 |  |   |   |  |  |   |
|   |   | 既存             | 新規  |  |         |                |    |           |   |      |   |   |                                    |   |  |                    |   |   |   |   |  |   |   |   |  |  |  |      |         |       |  |    |    |    |         |   |  |   |   |            |                               |  |   |   |        |   |   |  |   |        |               |   |  |   |        |   |  |   |   |        |                                 |  |   |   |  |  |   |
| 衛星電話設備 <sup>*</sup>   | 7台<br>・中央制御室：2台<br>・緊急時対策所：4台<br>・事務所等：1台   |                | ○   | <br>衛星電話設備用電機装置<br><br>衛星電話設備用アンテナ<br>【イメージ】 |         |                |    |           |   |      |   |   |                                    |   |  |                    |   |   |   |   |  |   |   |   |  |  |  |      |         |       |  |    |    |    |         |   |  |   |   |            |                               |  |   |   |        |   |   |  |   |        |               |   |  |   |        |   |  |   |   |        |                                 |  |   |   |  |  |   |
| 衛星電話設備  | 19台<br>・中央制御室：5台<br>・緊急時対策所：10台<br>・事務所等：3台   |                | ○   | <br>【イメージ】  |         |                |    |           |   |      |   |   |                                    |   |  |                    |   |   |   |   |  |   |   |   |  |  |  |      |         |       |  |    |    |    |         |   |  |   |   |            |                               |  |   |   |        |   |   |  |   |        |               |   |  |   |        |   |  |   |   |        |                                 |  |   |   |  |  |   |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

大阪発電所3/4号炉

表4 発電所外の通信設備（発電所外）（1/3）

| 主要設備        | 台数・設置場所  | 連絡先 |    | 新規格基準 |    | 写真  |
|-------------|--|-----|----|-------|----|---|
|             |  | 社内  | 社外 | 既存    | 新規 |   |
| 電力保安通信用電話設備 | 全体台数：約580台<br>緊急時対策所 指揮所：2台<br>中央制御室：7台<br>事務所等：571台   | ○   | ○  | ○     | ○  |  |
| 保安電話（携帯）    | 全体台数：約890台<br>緊急時対策所 指揮所：10台<br>緊急時対策所 待機場所：4台<br>中央制御室：8台<br>事務所等：888台  | ○   | ○  | ○     | ○  |  |
| 衛星保安電話      | 全体台数：3台<br>緊急時対策所 指揮所：2台<br>事務所等：1台  | ○   | ○  | ○     | ○  |  |
| 衛星電話        | 全体台数：2台（予備1台含む）<br>緊急時対策所 指揮所：1台<br>事務所等：1台  | ○   | ○  | △     | △  |  |
| 加入電話        | 全体台数：25台（10台） <sup>注1</sup><br>緊急時対策所 指揮所：5台（5台） <sup>注2</sup><br>中央制御室：1台（1台） <sup>注2</sup><br>事務所等：17台（4台） <sup>注2</sup> | ○   | ○  | ○     | ○  |  |
| 加入ファクシミリ    | 全体台数：18台<br>緊急時対策所 指揮所：1台<br>中央制御室：1台<br>事務所等：16台  | ○   | ○  | △     | △  |  |

注1：発電所内用を含む。  
 注2：災害時保安電話の台数を再掲。  
 △：規制基準外で、将来的に設置している設備。

表5 発電所外の通信設備（発電所外）（2/3）

| 主要設備               | 台数・設置場所  | 連絡先   |    | 新規格基準 |    | 写真  |
|--------------------|--|---|----|-------|----|---|
|                    |  | 社内  | 社外 | 既存    | 新規 |   |
| 携帯電話               | 全体台数：83台（15台） <sup>注1</sup>                    | ○   | ○  | ○     | ○  |    |
| 総合原子力防災ネットワークに接続する | TV会議システム<br>全体台数：2台<br>緊急時対策所 指揮所：1台<br>事務所：1台 | ○   | ○  | ○     | ○  |    |
| 通信連絡設備             | IP電話   | 全体台数：9台<br>緊急時対策所 指揮所：3台<br>事務所：6台  | ○  | ○     | ○  |    |
|                    | IP-FAX   | 全体台数：5台<br>緊急時対策所 指揮所：2台<br>事務所：3台  | ○  | ○     | ○  |    |
| 衛星電話 <sup>注1</sup> | 固定   | 全体台数：20台（予備10台含む）<br>緊急時対策所 指揮所：5台（予備5台）<br>中央制御室：5台（予備5台）                                | ○  | ○     | ○  |    |
|                    | 携帯   | 全体台数：38台（予備10台含む）<br>緊急時対策所 指揮所：10台（予備10台）<br>中央制御室：1台<br>移動式放射線測定装置（花ニラ車）：1台<br>事務所等：16台 | ○  | ○     | ○  |  |

注1：発電所内用を含む。  
 注2：災害時保安電話の台数を再掲。

女川原子力発電所2号炉

参考第1.1-2表 通信連絡設備の一覧（通信連絡設備（発電所外））  
 通信連絡設備（発電所外）（1/3）

| 主要設備                      | 台数・保管場所  | 新規格基準 |    | 写真  |
|---------------------------|--|-------|----|---|
|                           |  | 既存    | 新規 |   |
| 電力保安通信用電話設備 <sup>注1</sup> | 固定電話機<br>329台<br>・中央制御室：5台<br>・緊急時対策所：12台<br>・事務棟屋等：312台 | ○     |    |  |
|                           | PHS端末<br>507台<br>・中央制御室：6台<br>・緊急時対策所：12台<br>・事務棟屋等：489台 | ○     |    |  |
|                           | FAX<br>12台<br>・中央制御室：1台<br>・緊急時対策所：1台<br>・事務棟屋等：10台      | ○     |    |  |
|                           | 衛星保安電話（固定型）<br>2台<br>・緊急時対策所：1台<br>・事務棟屋：1台              | ○     |    |  |

注1：発電所内と発電所外で共用。  
 ・台数については、今後、訓練等を通して見直しを行う。

泊発電所3号炉

参考第1-2表 通信連絡設備の一覧（通信連絡設備（発電所外））  
 通信連絡設備（発電所外）（1/2）

| 主要設備        | 台数・保管場所   | 新規格基準 |    | 写真  |
|-------------|---|-------|----|---|
|             |   | 既存    | 新規 |   |
| 電力保安通信用電話設備 | 保安電話（固定）<br>約400台<br>・発電所内 約400台  | ○     |    |    |
|             | 保安電話（携帯）<br>約1,600台<br>・発電所内 約1,600台<br>充電器 約1,600台                                       | ○     |    |    |
|             | 衛星保安電話<br>1台<br>・緊急時対策所 1台  | ○     |    |    |
|             | 専用電話<br>1台<br>・中央制御室 1台   | ○     |    |    |
| 加入電話設備      | 加入電話機<br>2台<br>・緊急時対策所 2台   | ○     |    |    |
|             | 加入FAX<br>1台<br>・緊急時対策所 1台   | ○     |    |    |
| 携帯電話        | 携帯電話<br>72台<br>充電器 72台  | ○     |    |  |
|             | 衛星電話設備（固定型）<br>4台 <sup>注1</sup><br>・緊急時対策所 3台<br>・中央制御室 1台                                | ○     |    |  |
|             | 衛星電話設備（FAX）<br>1台<br>・緊急時対策所 1台   | ○     |    |  |
| 社内テレビ会議システム | 社内テレビ会議システム<br>29台 <sup>注1</sup><br>・中央制御室 2台<br>・緊急時対策所 15台<br>・消防準備、守衛所等 12台<br>充電器 29台 | ○     |    |  |
|             | 社内テレビ会議システム<br>1台<br>・緊急時対策所 1台   | ○     |    |  |

（注1）：発電所内と発電所外で共用  
 （注2）：設計基準事故時及び重大事故等ともに使用する。  
 ・台数については、今後、訓練等を通して見直しを行う。

相違理由

【大阪】記載方針の相違  
 （女川実績の反映）  
 ・表構成の相違  
 DB/SAに係る内容（当ページ）



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所 3 / 4 号炉

表 6 発電所外の通信設備（発電所外）（3 / 3）

| 主要設備        | 台数・設置場所   | 連絡先 |    | 新規制基準 |    | 写真 |
|-------------|---|-----|----|-------|----|----|
|             |   | 社内  | 社外 | 既設    | 新規 |    |
| 社内TV会議システム  | 全体台数：4台<br>緊急時対策用 指図書：1台<br>事務棟等：3台               | ○   |    | △     | △  |    |
| 緊急時衛星通報システム | 全体台数：2台（予備1台含む）<br>緊急時対策用 指図書：1台（予備1台）            | ○   |    | ○     | ○  |    |
| 無線通信装置      | 全体台数：2台※1<br>緊急時対策用 指図書：1台<br>移動式放射能測定装置（モニタ車）：1台 | ○※2 |    | △     | △  |    |

※1 緊急時対策用指図書は固定型、移動式放射能測定装置（モニタ車）には車載型を指す。  
 ※2 無線通信装置は、緊急時対策用指図書と移動式放射能測定装置（モニタ車）内の運用に異なる。  
 <凡例>  
 ○：規制基準を満足し、自主的に設置している設備。  
 △：規制基準を満足し、自主的に設置している設備。

女川原子力発電所 2 号炉

通信連絡設備（発電所外）（2/3）

| 主要設備                    | 台数・設置場所  | 新規制基準要求 |    | 写真 |
|-------------------------|--|---------|----|----|
|                         |  | 既設      | 新規 |    |
| 社内テレビ会議システム             | 7台<br>（緊急時対策用：1台<br>・事務棟等：6台）                                    | ○       |    |    |
| テレビ会議システム               | 1式<br>（緊急時対策用<br>・事務棟等）  | ○       |    |    |
| 統合原子力防災ネットワークを用いた通信連絡設備 | 11台<br>（緊急時対策用：4台<br>・事務棟等：7台）                                   | ○       |    |    |
| IP電話                    | 1台<br>（緊急時対策用：1台<br>・事務棟等：0台）                                    | ○       |    |    |
| IP-FAX                  | 1台<br>（緊急時対策用：1台<br>・事務棟等：0台）                                    | ○       |    |    |
| 和加入電話設備                 | 47台（30台）※<br>（中央制御室：1台（1台）<br>・緊急時対策用：12台（11台）<br>・事務棟等：24台（8台）） | ○       |    |    |
| 和加入FAX                  | 12台（4台）※<br>（中央制御室：1台（0台）<br>・緊急時対策用：1台（1台）<br>・事務棟等：10台（3台））    | ○       |    |    |

※：災害時優先電話の台数を指す。  
 ・台数については、今後、訓練等を通して見直しを行う。

通信連絡設備（発電所外）（3/3）

| 主要設備                   | 台数・設置場所   | 新規制基準要求 |    | 写真 |
|------------------------|---|---------|----|----|
|                        |   | 既設      | 新規 |    |
| 専用電話設備（地方公共団体内ネットワーク内） | 29台<br>（緊急時対策用：18台<br>・事務棟等：10台）                            | ○       |    |    |
| 専用電話設備*                | 7台<br>（中央制御室：2台<br>設備<br>（固定型）<br>・緊急時対策用：4台<br>・事務棟等：1台）   | ○       |    |    |
| 専用電話設備                 | 18台<br>（中央制御室：5台<br>設備<br>・緊急時対策用：10台<br>（携帯型）<br>・事務棟等：3台） | ○       |    |    |

※：発電所内と発電所外で両用。  
 ・台数については、今後、訓練等を通して見直しを行う。

泊発電所 3 号炉

通信連絡設備（発電所外）（2/2）

| 主要設備                    | 台数・設置場所                                       |    | 新規制基準要求 |  | 写真 |
|-------------------------|---|----|---------|--|----|
|                         | 設計基準事故対応設備                                    | 既設 | 新規      |  |    |
| 専用電話設備                  | 専用電話設備（固定型）<br>7台<br>・緊急時対策用 7台               | ○  |         |  |    |
|                         | 専用電話設備（FAX）<br>7台<br>・緊急時対策用 7台               | ○  |         |  |    |
| 統合原子力防災ネットワークを用いた通信連絡設備 | IP電話<br>6台<br>・緊急時対策用 6台<br>（地上系 4台、衛星系 2台）   | ○  |         |  |    |
|                         | IP-FAX<br>3台<br>・緊急時対策用 3台<br>（地上系 2台、衛星系 1台） | ○  |         |  |    |
|                         | テレビ会議システム<br>1台<br>・緊急時対策用 1台                 | ○  |         |  |    |

（注 1）：発電所内と発電所外で共用  
 （注 2）：設計基準事故時及び重大事故等時ともに使用する。  
 ・台数については、今後、訓練等を通して見直しを行う。

相違理由

【大飯】記載方針の相違  
 （女川実績の反映）  
 ・表構成の相違

DB/SAに係る内容（当ページ）

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

大飯発電所3/4号炉

| 主要設備  | 台数・設置場所                              | 新規制基準要求 |    | 写真   |
|---|--------------------------------------|---------|----|--|
|   |                                      | 既存      | 新規 |  |
| SPDS表示装置  | 全体台数：3台（予備1台含む）<br>[緊急時対策所：2台（予備1台）] |         | ○  |   |
| データ伝送設備（発電所内）<br>安全パラメータ表示システム（SPDS）                  | 全体台数：1式<br>[原子炉補助建屋：1式]              |         | ○  |   |
| データ伝送設備（発電所外）<br>安全パラメータ表示システム（SPDS）<br>安全パラメータ伝送システム | 全体台数：1式<br>[原子炉補助建屋：1式]              |         | ○  | <br> |

表7 データ伝送設備

女川原子力発電所2号炉

参考第1.1-3表 通信連絡設備の一覧  
 （安全パラメータ表示システム（SPDS）及びデータ伝送設備）

| 主要設備                    | 台数・設置場所                   | 新規制基準要求 |    | 写真  |
|-------------------------|---------------------------|---------|----|---|
|                         |                           | 既存      | 新規 |   |
| データ収集装置                 | 1式<br>・制御建屋 プロセス計算機室      |         | ○  |  |
| 安全パラメータ表示システム（SPDS）伝送装置 | 1式<br>・緊急時対策所             |         | ○  |  |
| SPDS表示装置                | 1式<br>・緊急時対策所             |         | ○  |  |
| データ伝送設備（発電所外）           | SPDS伝送装置<br>1式<br>・緊急時対策所 |         | ○  |  |

泊発電所3号炉

参考第1-3表 通信連絡設備の一覧  
 （データ伝送設備（発電所内）及びデータ伝送設備（発電所外））

| 主要設備                       | 台数・設置場所                           | 新規制基準要求 |    | 写真  |
|----------------------------|-----------------------------------|---------|----|---|
|                            |                                   | 既存      | 新規 |   |
| データ伝送設備（発電所内）<br>データ表示端末   | 4台（予備3台を含む）<br>・緊急時対策所 4台         |         | ○  |  |
| データ伝送設備（発電所内）<br>データ収集計算機  | 1式 <sup>(注1)</sup><br>・原子炉補助建屋 1式 |         | ○  |  |
| データ伝送設備（発電所外）<br>データ収集計算機  | 1式 <sup>(注1)</sup><br>・原子炉補助建屋 1式 |         | ○  |  |
| データ伝送設備（発電所外）<br>ERSS伝送サーバ | 1式<br>・原子炉補助建屋 1式                 |         | ○  |  |

（注1）：発電所内と発電所外で共用

相違理由

【大飯】記載方針の相違  
 （女川実績の反映）  
 ・表構成の相違

DB/SAに係る内容（当ページ）

赤字：設備、運用又は体制の相違（設計方針の相違）  
青字：記載箇所又は記載内容の相違（記載方針の相違）  
緑字：記載表現、設備名称の相違（実質的な相違なし）

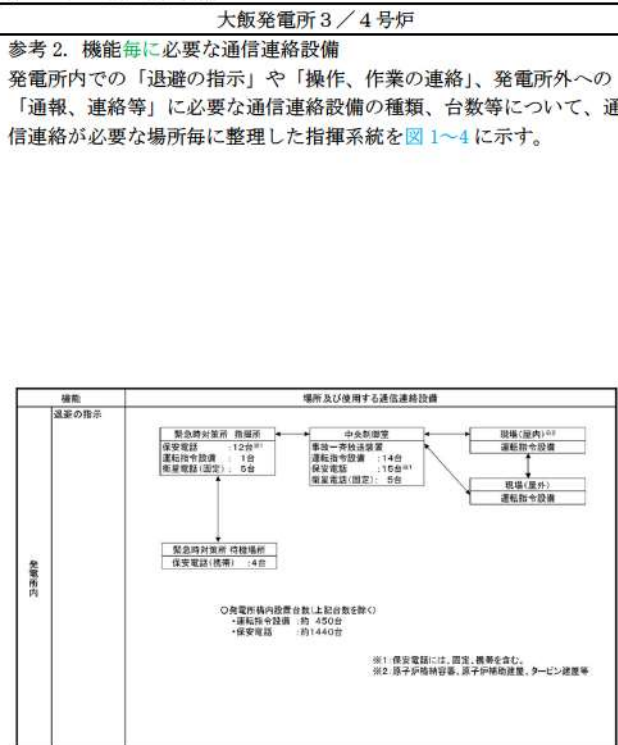
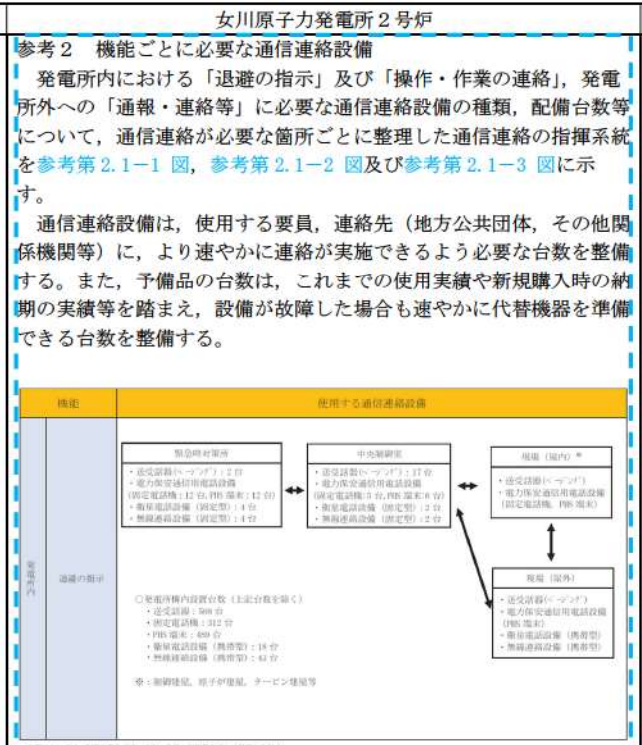


図1 「退避の指示」における指揮系統図



参考第2.1-1図 「退避の指示」における通信連絡の指揮系統図

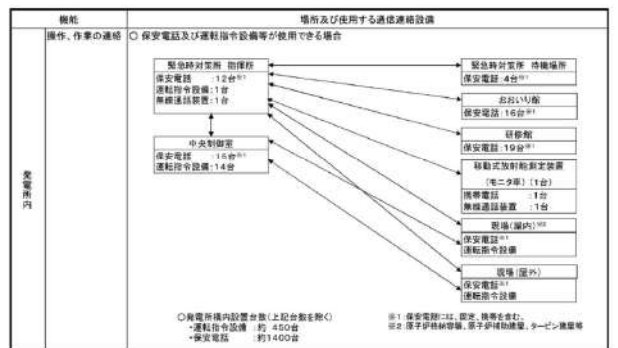
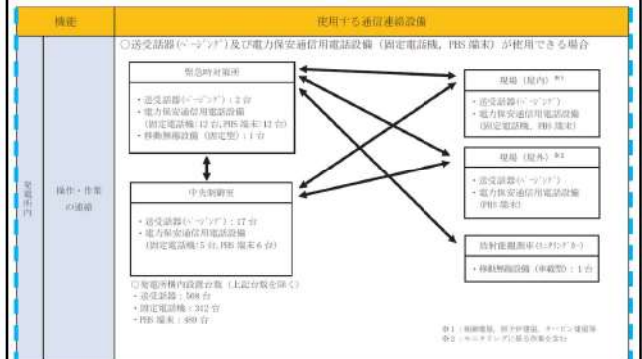
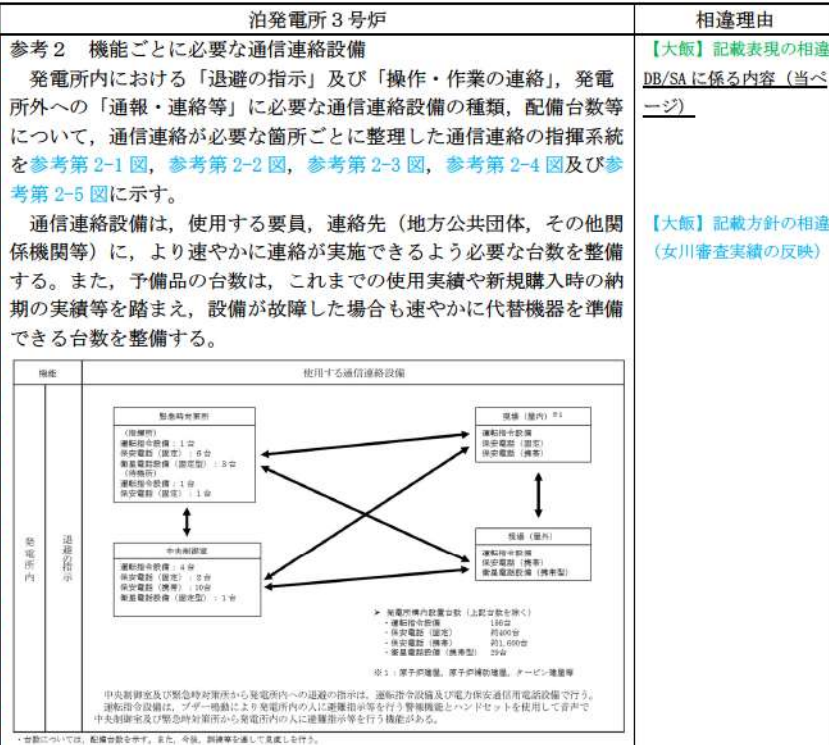


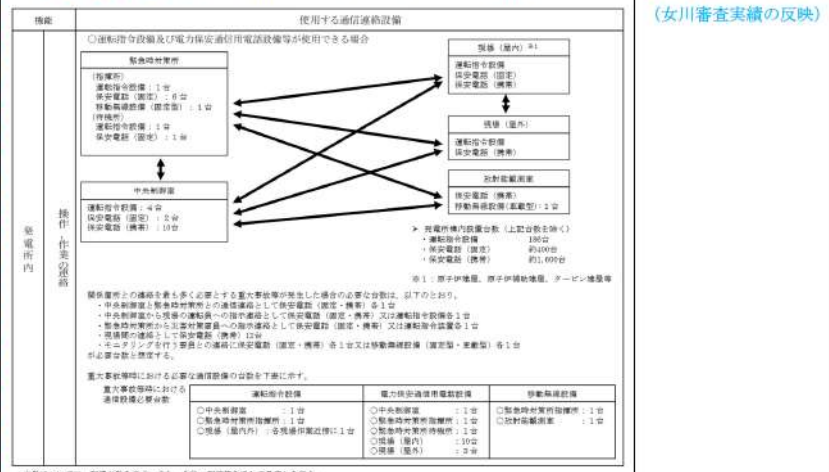
図2 「操作、作業の連絡」における指揮系統図(1/2)



参考第2.1-2図 「操作・作業の連絡」における通信連絡の指揮系統図(1/2)



参考第2-1図 「退避の指示」における通信連絡の指揮系統図



参考第2-2図 「操作、作業の連絡」における通信連絡の指揮系統図(1/2)







赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉  | 女川原子力発電所 2 号炉   | 泊発電所 3 号炉   | 相違理由  |
|---|---|---|---|
| <p>なお、協力会社を含めた通信連絡の整理については、以下のとおり。</p> <p>&lt;協力会社を含めた通信連絡の整理&gt;<br/>                 発電所の運営にあたっては、普段より当社と協力会社が一体となって運営してきており、協力会社においてもマイブラント意識に根ざした同様の価値観を持って取り組んでいただいているところである。</p> <p>従って、事故等が発生した際においても、協力会社と事前に覚書を結んでおり、その中で当社からの要請を受けるための連絡体制を構築していただき、設備所管箇所から設備の修理・復旧活動への協力要請を行い、一体となって対応しているところである。</p> <p>重大事故発生時も同様の観点で協力会社も含めた体制で対応することとしており、事故発生当初の緊急時対応においては発電所内の緊急時対策本部要員、中央制御室要員、緊急安全対策要員（協力会社含む）、および召集要員（社員）にて対応可能なように体制を整えている。</p> <p>設備の修理・復旧活動等といった緊急時対応以降の事故対応においても、事故の状況に応じて協力会社と一体となり必要な体制を整備し、事故対応を計画・実施することとしている。</p> | <div data-bbox="719 236 1305 579"> </div> <p>参考第 2.1-3 図 「通報・連絡等」における通信連絡の指揮系統図 (2/2)</p> <div data-bbox="913 863 1162 935" style="border: 1px solid black; padding: 5px; text-align: center;">                 参考 13 にて比較             </div> | <div data-bbox="1355 145 1955 579"> </div> <p>参考第 2-5 図 「通報、連絡等」における通信連絡の指揮系統図 (2/2)</p> <div data-bbox="1547 863 1796 935" style="border: 1px solid black; padding: 5px; text-align: center;">                 参考 13 にて比較             </div> | <p>DB/SA に係る内容（当ページ）</p> <p>【大飯】記載方針の相違（女川審査実績の反映）</p> <p>【大飯】記載方針の相違（女川審査実績の反映）<br/>                 ・協力会社との通信連絡については参考 13 に記載</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉  | 女川原子力発電所2号炉  | 泊発電所3号炉   | 相違理由  |
|---|--|---|---|
| <p>参考3 携行型通話装置等の使用方法及び使用場所</p> <p>携行型通話装置は、中央制御室と各現場間に敷設している通信線を用いて通信連絡を行う。<br/>                 通信線（通常時）が使用出来ない場合は、中央制御室から通話装置用ケーブルを敷設し通信連絡に用いる。</p> <p>これらの装置については、操作マニュアルを作成しており、訓練において有効性を確認している。<br/>                 最大通話可能距離は約10kmであり、通話装置用ケーブルを利用して、構内各所で使用可能である。また、通話装置用ケーブルについては、水による影響を受けにくい材質であり、溢水時においても使用できる。</p> <p>携行型通話装置、通話装置用ケーブルを用いた中央制御室と現場との通信連絡概要について、図5に示す。又、重大事故シナシナで使用する通信連絡設備（携行型通話装置、トランシーパー等）の使用台数を表8、9、10に記載する。</p> | <p>参考3 携行型通話装置等の使用方法及び使用場所</p> <p>中央制御室に保管する携行型通話装置は、通常使用している所内の通信連絡設備が使用できない場合において、中央制御室と各現場間に敷設している専用通信線を用い、携行型通話装置を専用接続箱に接続するとともに、必要時に中継用ケーブルを敷設することにより、必要な通信連絡を行うことが可能な設計とする。<br/>                 なお、携行型通話装置は、使用する専用通信線及び専用接続箱を含め、基準地震動Ssで機能維持できる設計とする。</p> <p>また、専用接続箱については、地震起因による溢水の影響を受けない箇所に設置し、溢水時においても使用可能な設計とする。<br/>                 通信連絡設備の必要台数は、有効性評価における各事故シナシナグループ等で使用する台数とする。</p> <p>携行型通話装置を用いた中央制御室と現場との通信連絡の概要について、参考第3.1-1図に示す。また、各事故シナシナグループ等で使用する携行型通話装置を使用する通話場所の例を参考第3.1-1表、各事故シナシナグループ等で使用する携行型通話装置及び無線連絡設備等の台数を参考第3.1-2表及び参考第3.1-3表に示す。</p> | <p>参考3 携行型通話装置等の使用方法及び使用場所</p> <p>中央制御室及び中央制御室付近に保管する携行型通話装置は、通常使用している所内の通信連絡設備が使用できない場合において、中央制御室と各現場間に敷設している通信線を用い、携行型通話装置を携行型通話装置ジャック箱に接続するとともに、必要時に通話装置用ケーブルを敷設することにより、必要な通信連絡を行うことが可能な設計とする。<br/>                 なお、携行型通話装置は、使用する通信線及び携行型通話装置ジャック箱を含め、基準地震動で機能維持できる設計とする。<br/>                 また、携行型通話装置ジャック箱については、地震起因による溢水の影響を受けない箇所に設置し、溢水時においても使用可能な設計とする。<br/>                 通信連絡設備の必要台数は、有効性評価における各事故シナシナグループ等で使用する台数とする。</p> <p>携行型通話装置を用いた中央制御室と現場との通信連絡の概要について、参考第3-1図に示す。また、各事故シナシナグループ等で使用する携行型通話装置を使用する通話場所の例を参考第3-1表、各事故シナシナグループ等で使用する携行型通話装置、無線連絡設備及び衛星電話設備（携帯型）の台数を参考第3-2表、参考第3-3表及び参考第3-4表に示す。</p> | <p>DB/SAに係る内容（当ページ）</p> <p>【女川】設計方針の相違<br/>                 ・保管場所の相違<br/>                 【女川】設備名称の相違<br/>                 ・名称の相違<br/>                 女川：専用通信線<br/>                 泊：通信線<br/>                 女川：専用接続箱<br/>                 泊：携行型通話装置ジャック箱<br/>                 女川：中継用ケーブル<br/>                 泊：通話装置用ケーブル</p> <p>【大飯】記載方針の相違（女川審査実績の反映）</p> <p>【大飯】記載方針の相違（女川審査実績の反映）</p> <p>【女川】記載方針の相違<br/>                 ・重大事故時に使用する設備を「等」ではなく、泊は各事故シナシナグループ等で衛星電話設備（携帯型）も使用すると明確化（女川も各事故シナシナグループの説明では、衛星電話設備（携帯型）を記載している）</p> |





赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所3/4号炉

表8 各重大事故シナシケンスで使用する携行型通話装置の台数

| 事故シナシケンスグループ        | 中央制御室 | 安全補給<br>用閉鎖室等 | 保守室<br>（中央制御室<br>設置場所（機材）） | 原子炉<br>補給棟 | 主蒸気<br>配管室 | 補助給水装置<br>調整弁室 | 合計 |
|---------------------|-------|---------------|----------------------------|------------|------------|----------------|----|
| ① 炉内異常熱発生           | 2     | 2             | —                          | —          | —          | —              | 4  |
| ② 炉内異常熱発生（炉内異常熱発生時） | 2     | 2             | —                          | —          | —          | —              | 4  |
| ③ 炉内異常熱発生（炉内異常熱発生時） | 2     | 2             | 2                          | 4          | 2          | 2              | 16 |
| ④ 炉内異常熱発生（炉内異常熱発生時） | 2     | 2             | 2                          | 4          | 2          | 2              | 16 |
| ⑤ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑥ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑦ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑧ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑨ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑩ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑪ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑫ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑬ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑭ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑮ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑯ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑰ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑱ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑲ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑳ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉑ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉒ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉓ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉔ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉕ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉖ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉗ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉘ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉙ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉚ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉛ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉜ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉝ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉞ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉟ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊱ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊲ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊳ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊴ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊵ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊶ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊷ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊸ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊹ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊺ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊻ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊼ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊽ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊾ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊿ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |

※1：原子炉補助建屋等へ現場用（中央制御室必要分含め）として38台保管しており、重大事故時においても、対応できる。

女川原子力発電所2号炉

参考第3.1-2表 各事故シナシケンスグループ等で使用する携行型通話装置の台数

| 事故シナシケンスグループ等                                 | 中央<br>制御室 | 原子炉建屋<br>原子炉側 | 原子炉建屋<br>付風機 | 制御棟  | 合計 |
|---|-----------|---------------|--------------|------|----|
| 【炉心保護防止】                                      |           |               |              |      |    |
| 高圧・低圧注水機能喪失                                   | 1         | —             | 1            | —    | 2  |
| 高圧注水・減圧機能喪失                                   | —         | —             | —            | —    | —  |
| 全交流動力電源喪失（保期7B）                               | 1         | (1)*          | 1*           | (1)* | 2  |
| 全交流動力電源喪失（T B U）                              | 1         | (1)*          | 1*           | (1)* | 2  |
| 全交流動力電源喪失（T B D）                              | 1         | (1)*          | 1*           | (1)* | 2  |
| 全交流動力電源喪失（T B P）                              | 1         | 1*            | (1)*         | (1)* | 2  |
| 格納熱除去機能喪失（取水機能が喪失した場合）                        | 1         | —             | 1            | —    | 2  |
| 格納熱除去機能喪失（格納熱除去系が故障した場合）                      | 1         | —             | 1            | —    | 2  |
| 原子炉停止機能喪失                                     | —         | —             | —            | —    | —  |
| LOCA時注水機能喪失（中小破断）                             | 1         | —             | 1            | —    | 2  |
| 格納容器パイパス（パチーフィングLOCA）                         | 1         | 1             | —            | —    | 2  |
| 【格納容器保護防止】                                    |           |               |              |      |    |
| 蒸気気圧・温度による静的負荷（格納容器過圧・過熱破損）（代替減圧冷却系を使用する場合）   | 1         | —             | 1            | —    | 2  |
| 蒸気気圧・温度による静的負荷（格納容器過圧・過熱破損）（代替減圧冷却系を使用できない場合） | 1         | —             | 1            | —    | 2  |
| 高圧放射物放出／格納容器蒸気直接加熱                            | 1         | —             | 1            | —    | 2  |
| 原子炉圧力容器内の放射線材料冷却相互作用                          | 1         | —             | 1            | —    | 2  |
| 水素燃焼  | 1         | —             | 1            | —    | 2  |
| 即融炉心・コンクリート相互作用                               | 1         | —             | 1            | —    | 2  |
| 【使用済燃料プールの燃料保護防止】                             |           |               |              |      |    |
| 想定事故1（SFP補給水機能喪失）                             | 1         | 1             | —            | —    | 2  |
| 想定事故2（SFP補給水機能喪失+サイフォン現象による小規模漏えい）            | 1         | 1             | —            | —    | 2  |
| 【運転停止中原子炉内の燃料保護の防止】                           |           |               |              |      |    |
| 格納熱除去機能喪失                                     | —         | —             | —            | —    | —  |
| 全交流動力電源喪失                                     | 1         | —             | 1            | —    | 2  |
| 原子炉冷却材の流出                                     | 1         | 1             | —            | —    | 2  |
| 反応度の顕微入                                       | —         | —             | —            | —    | —  |

※：( ) は再掲、移動して使用する台数を示す。  
 ・台数については、今後、訓練等を通して見直しを行う。  
 ・携行型通話装置は、中央制御室に計10台を保管している。

泊発電所3号炉

参考第3-2表 各事故シナシケンスグループ等で使用する携行型通話装置の台数

| 事故シナシケンスグループ等       | 中央制御室 | 安全補給<br>用閉鎖室等 | 保守室<br>（中央制御室<br>設置場所（機材）） | 原子炉<br>補給棟 | 主蒸気<br>配管室 | 補助給水装置<br>調整弁室 | 合計 |
|---------------------|-------|---------------|----------------------------|------------|------------|----------------|----|
| ① 炉内異常熱発生           | 2     | 2             | —                          | —          | —          | —              | 4  |
| ② 炉内異常熱発生（炉内異常熱発生時） | 2     | 2             | —                          | —          | —          | —              | 4  |
| ③ 炉内異常熱発生（炉内異常熱発生時） | 2     | 2             | 2                          | 4          | 2          | 2              | 16 |
| ④ 炉内異常熱発生（炉内異常熱発生時） | 2     | 2             | 2                          | 4          | 2          | 2              | 16 |
| ⑤ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑥ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑦ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑧ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑨ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑩ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑪ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑫ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑬ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑭ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑮ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑯ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑰ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑱ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑲ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ⑳ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉑ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉒ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉓ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉔ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉕ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉖ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉗ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉘ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉙ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉚ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉛ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉜ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉝ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉞ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㉟ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊱ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊲ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊳ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊴ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊵ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊶ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊷ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊸ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊹ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊺ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊻ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊼ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊽ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊾ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |
| ㊿ 炉内異常熱発生（炉内異常熱発生時） | 2     | —             | —                          | 4          | —          | —              | 6  |

※ 中央制御室等へ現場用（中央制御室必要分含め）として24台保管しており、重大事故時においても対応できる。  
 ・台数については、今後、訓練等を通して見直しを行う。

相違理由  
 SAに係る内容（当ページ）

【女川】記載方針の相違（大飯審査実績の反映）



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所3/4号炉

表9 各重大事故シナシスで使用使用する衛星電話（固定・携帯）の台数

| 事故シナシスグループ  | 中央制御室<br>(衛星電話(固定)) | 緊急時対策所<br>指揮所<br>(衛星電話(固定)) | 屋外<br>(衛星電話(携帯)) |
|---|---------------------|-----------------------------|------------------|
| 【中心機保護防止】   |                     |                             |                  |
| ① 炉心冷却系からの燃料循環喪失<br>(主給水機失+燃料配管水漏)                | -                   | -                           | -                |
| ② 炉心冷却力電源喪失(中炉LOCA+高圧注水失敗)<br>炉心冷却力電源喪失           | 1                   | 5                           | 7                |
| ③ 炉心冷却力電源喪失<br>RCP(炉心冷却機)                         | 1                   | 5                           | 7                |
| ④ 燃料容器の燃料循環喪失<br>(大LOCA+燃料再循環喪失+燃料容器スプレイ失敗)       | -                   | -                           | -                |
| ⑤ 原子炉停止機能喪失<br>(主給水機喪失+原子炉自動停止失敗)                 | -                   | -                           | -                |
| ⑥ ECCS注水機能喪失(中炉LOCA+高圧注水失敗)<br>高圧注水を用いない場合(メイン断絶) | -                   | -                           | -                |
| ⑦ ECCS注水機能喪失(中炉LOCA+高圧注水失敗)<br>高圧注水を用いない場合(メイン断絶) | -                   | -                           | -                |
| ⑧ ECCS注水機能喪失(中炉LOCA+高圧注水失敗)<br>高圧注水を用いない場合(メイン断絶) | -                   | -                           | -                |
| ⑨ ECCS注水機能喪失(中炉LOCA+高圧注水失敗)<br>高圧注水を用いない場合(メイン断絶) | -                   | -                           | -                |
| ⑩ ECCS注水機能喪失(中炉LOCA+高圧注水失敗)<br>高圧注水を用いない場合(メイン断絶) | -                   | -                           | -                |
| ⑪ 燃料容器の燃料循環喪失<br>(大LOCA+燃料再循環喪失+燃料容器スプレイ失敗)       | -                   | -                           | -                |
| 【燃料容器保護防止】  |                     |                             |                  |
| ⑫ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗+燃料容器スプレイ失敗)       | 1                   | 5                           | 9 <sup>※1</sup>  |
| ⑬ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ⑭ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ⑮ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ⑯ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ⑰ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ⑱ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ⑲ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ⑳ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㉑ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㉒ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㉓ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㉔ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㉕ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㉖ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㉗ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㉘ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㉙ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㉚ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㉛ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㉜ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㉝ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㉞ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㉟ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㊱ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㊲ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㊳ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㊴ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㊵ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㊶ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㊷ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㊸ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㊹ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㊺ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㊻ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㊼ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㊽ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㊾ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| ㊿ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                  | 1                   | 5                           | 9 <sup>※1</sup>  |
| 保有台数  | 10<br>(予備5台含む)      | 10<br>(予備5台含む)              | 38<br>(予備10台含む)  |

※1:緊急時対策所 指揮所等へ現場用として、38台保管しており、重大事故時においても、対応できる。

女川原子力発電所2号炉

参考第3.1-3表 各事故シナシスグループ等で使用使用する無線連絡設備等の台数

| 事故シナシスグループ等  | 無線連絡設備等 (固定型)      |    | 無線連絡設備 (携帯型) |
|--|--------------------|----|--------------|
|  | 屋内 (緊急時対策所及び中央制御室) | 屋外 | 無線連絡設備 (携帯型) |
| 【炉心機保護防止】  |                    |    |              |
| 高圧・低圧注水機能喪失  | 4                  | 17 |              |
| 高圧注水・風圧機能喪失  | 4                  | —  |              |
| 全交流動力電源喪失<br>(蒸気T B)                               | 4                  | 18 |              |
| 全交流動力電源喪失<br>(T B U)                               | 4                  | 18 |              |
| 全交流動力電源喪失<br>(T B D)                               | 4                  | 18 |              |
| 全交流動力電源喪失<br>(T B P)                               | 4                  | 19 |              |
| 炉内熱除去機能喪失 (取水機能が喪失した場合)                            | 4                  | 18 |              |
| 炉内熱除去機能喪失 (炉内熱除去系が故障した場合)                          | 4                  | 17 |              |
| 炉心停止機能喪失   | 4                  | 17 |              |
| LOCA 時注水機能喪失 (中破断)                                 | 4                  | 18 |              |
| 燃料容器バイパス (コトナ/コナ/LOCA)                             | 4                  | 17 |              |
| 【燃料容器破損防止】   |                    |    |              |
| 蒸気圧力・温度による静的負荷<br>(燃料容器過圧・過温破損) (代替循環冷却系を使用する場合)   | 4                  | 18 |              |
| 蒸気圧力・温度による静的負荷<br>(燃料容器過圧・過温破損) (代替循環冷却系を使用できない場合) | 4                  | 18 |              |
| 高圧炉内物放出/燃料容器蒸気温度増加                                 | 4                  | 18 |              |
| 原子炉圧力容器外の炉内燃料冷却材相互作用                               | 4                  | 18 |              |
| 水素燃焼   | 4                  | 18 |              |
| 溶融炉心・コンクリート相互作用                                    | 4                  | 18 |              |
| 【使用済燃料プールの燃料循環防止】                                  |                    |    |              |
| 想定事故1<br>(SFP 補給水機能喪失)                             | 4                  | 17 |              |
| 想定事故2<br>(SFP 補給水機能喪失+ライオン現象による小規模漏れ)              | 4                  | 17 |              |
| 【運転停止炉心内の燃料循環防止】                                   |                    |    |              |
| 炉内熱除去機能喪失  | 4                  | —  |              |
| 全交流動力電源喪失  | 4                  | 18 |              |
| 原子炉冷却材の流出  | 4                  | —  |              |
| 反応度の誤投入  | 4                  | —  |              |

・台数については、今後、訓練等を通して見直しを行う。  
 ・無線連絡設備のほか、衛星電話設備も使用可能であり、衛星電話設備も使用する。

泊発電所3号炉

参考第3-3表 各事故シナシスグループ等で使用使用する衛星電話設備(携帯型)の台数

| 事故シナシスグループ等  | 屋内 (固定) | 屋外 (携帯) | 合計 |
|--|---------|---------|----|
| 【炉心機保護防止】  |         |         |    |
| ① 2炉心冷却系からの燃料循環喪失<br>(主給水機喪失+燃料配管水漏)                 | -       | -       | -  |
| ② 炉心冷却力電源喪失(中炉LOCA+高圧注水失敗)<br>炉心冷却力電源喪失              | 1       | 1       | 2  |
| ③ 炉心冷却力電源喪失<br>RCP(炉心冷却機)                            | 1       | 1       | 2  |
| ④ 燃料容器の燃料循環喪失<br>(大LOCA+燃料再循環喪失+燃料容器スプレイ失敗)          | -       | -       | -  |
| ⑤ 原子炉停止機能喪失<br>(主給水機喪失+原子炉自動停止失敗)                    | -       | -       | -  |
| ⑥ ECCS注水機能喪失(中炉LOCA+高圧注水失敗)<br>高圧注水を用いない場合(メイン断絶)    | -       | -       | -  |
| ⑦ ECCS注水機能喪失(中炉LOCA+高圧注水失敗)<br>高圧注水を用いない場合(メイン断絶)    | -       | -       | -  |
| ⑧ ECCS注水機能喪失(中炉LOCA+高圧注水失敗)<br>高圧注水を用いない場合(メイン断絶)    | -       | -       | -  |
| ⑨ ECCS注水機能喪失(中炉LOCA+高圧注水失敗)<br>高圧注水を用いない場合(メイン断絶)    | -       | -       | -  |
| ⑩ ECCS注水機能喪失(中炉LOCA+高圧注水失敗)<br>高圧注水を用いない場合(メイン断絶)    | -       | -       | -  |
| ⑪ 燃料容器の燃料循環喪失<br>(大LOCA+燃料再循環喪失+燃料容器スプレイ失敗)          | -       | -       | -  |
| ⑫ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗+燃料容器スプレイ失敗)          | -       | -       | -  |
| ⑬ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ⑭ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ⑮ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ⑯ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ⑰ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ⑱ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ⑲ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ⑳ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㉑ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㉒ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㉓ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㉔ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㉕ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㉖ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㉗ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㉘ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㉙ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㉚ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㉛ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㉜ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㉝ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㉞ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㉟ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㊱ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㊲ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㊳ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㊴ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㊵ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㊶ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㊷ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㊸ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㊹ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㊺ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㊻ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㊼ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㊽ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㊾ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| ㊿ 燃料容器注水機能喪失<br>(大LOCA+ECCS注水失敗)                     | -       | -       | -  |
| 【燃料容器破損防止】   |         |         |    |
| ㉑ 蒸気圧力・温度による静的負荷<br>(燃料容器過圧・過温破損) (代替循環冷却系を使用する場合)   | 1       | 1       | 2  |
| ㉒ 蒸気圧力・温度による静的負荷<br>(燃料容器過圧・過温破損) (代替循環冷却系を使用できない場合) | 1       | 1       | 2  |
| ㉓ 高圧炉内物放出/燃料容器蒸気温度増加                                 | 1       | 1       | 2  |
| ㉔ 原子炉圧力容器外の炉内燃料冷却材相互作用                               | 1       | 1       | 2  |
| ㉕ 水素燃焼   | 1       | 1       | 2  |
| ㉖ 溶融炉心・コンクリート相互作用                                    | 1       | 1       | 2  |
| 【使用済燃料プールの燃料循環防止】                                    |         |         |    |
| ㉗ 想定事故1<br>(SFP 補給水機能喪失)                             | 1       | 1       | 2  |
| ㉘ 想定事故2<br>(SFP 補給水機能喪失+ライオン現象による小規模漏れ)              | 1       | 1       | 2  |
| 【運転停止炉心内の燃料循環防止】                                     |         |         |    |
| ㉙ 炉内熱除去機能喪失  | -       | -       | -  |
| ㉚ 全交流動力電源喪失  | 1       | 1       | 2  |
| ㉛ 原子炉冷却材の流出  | -       | -       | -  |
| ㉜ 反応度の誤投入  | -       | -       | -  |

※ 緊急時対策所に現場用として10台、中央制御室に現場用として2台保管しており、重大事故においても対応できる。  
 ・台数については、今後、訓練等を通して見直しを行う。

相違理由

SAに係る内容(当ページ)

【女川】記載方針の相違  
 ・女川では各事故シナシスグループの説明の表で、無線連絡設備(携帯型)及び衛星電話設備(携帯型)と一緒に記載していることから、再掲して比較した。

【女川】記載方針の相違  
 (大飯審査実績の反映)

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所3/4号炉

表10 各重大事故シーケンスで使用するトランシーバーの台数

| 事故シーケンスグループ  | 屋外             |
|--|----------------|
| <b>【炉心損傷防止】</b>  |                |
| ① 2次冷却系からの除熱機能喪失（主給水喪失+補助給水失敗）   | -              |
| ② 全交流動力電源喪失+RCPシールドLOCA+原子炉降圧弁機能喪失   | 19             |
| ③ 全交流動力電源喪失（RCPシールドLOCA喪失）   | 19             |
| ④ 格納容器の除熱機能喪失（大LOCA+低圧再循環失敗+格納容器スプレイ失敗）                                      | -              |
| ⑤ 原子炉停止機能喪失（主給水流量喪失+原子炉自動停止失敗）   | -              |
| ⑥ ECCS注水機能喪失（中/小LOCA+高圧注入失敗）<br>低圧注水系を用いる場合（6インチ系統）                          | -              |
| ⑦ ECCS注水機能喪失（中/小LOCA+高圧注入失敗）<br>低圧注水系を用いる場合（14インチ系統）                         | -              |
| ⑧ ECCS注水機能喪失（中/小LOCA+高圧注入失敗）<br>低圧注水系を用いる場合（12インチ系統）                         | -              |
| ⑨ ECCS再循環機能喪失（大LOCA+高圧再循環失敗+低圧再循環失敗）<br>ECCS再循環機能喪失（中/小LOCA+高圧再循環失敗+低圧再循環失敗） | -              |
| ⑩ 格納容器バイパス（インターフェイスシステムLOCA）   | -              |
| ⑪ 格納容器バイパス（緊急発生器伝信管破損）   | -              |
| <b>【格納容器破損防止】</b>  |                |
| ⑫ 格納容器過圧破損（大LOCA+ECCS注入失敗+格納容器スプレイ失敗）  | 29※1           |
| ⑬ 格納容器過温破損（全交流電源喪失+補助給水失敗）   | 29※1           |
| 格納容器過蒸気加熱（全交流電源喪失+補助給水失敗）  | 29※1           |
| 炉外の蒸気発生→冷却剤相互作用（大LOCA+ECCS注入失敗）  | 29※1           |
| ⑭ 水素燃焼（大LOCA+ECCS注入失敗）   | 29※1           |
| ⑮と同様   | 29※1           |
| ⑯と同様   | 29※1           |
| <b>【SFPの燃料損傷防止】</b>  |                |
| ⑰ 想定事故1（使用済燃料ピット冷却系及び補給水系の故障）  | 11             |
| ⑱ 想定事故2（使用済燃料ピット冷却系配管の破断）  | 11             |
| <b>【浄化中原子炉の燃料損傷防止】</b>   |                |
| ⑲ 炉床熱除去機能喪失（ミッドループ運転中の余熱除去系統の機能喪失及び全交流電源喪失）                                  | 19             |
| ⑳ 原子炉冷却材の流出（ミッドループ運転中の原子炉冷却材流出）  | -              |
| ㉑ 反応度の調整   | -              |
| 保有台数   | 33<br>(予備3台含む) |

※1:緊急時対策所 指揮所へ現場用として、33台保管しており、重大事故時においても、対応できる。

女川原子力発電所2号炉

参考第3.1-3表 各事故シーケンスグループ等で使用する無線連絡設備等の台数

| 事故シーケンスグループ等                                  | 屋内（緊急時対策所及び中央制御室） |             | 屋外 |
|---|-------------------|-------------|----|
|   | 無線連絡設備等（固定型）      | 無線連絡設備（携帯型） |    |
| <b>【炉心損傷防止】</b>                               |                   |             |    |
| 高圧・低圧注水機能喪失                                   | 4                 | 17          |    |
| 高圧注水・減圧機能喪失                                   | 4                 | -           |    |
| 全交流動力電源喪失（蒸発T B）                              | 4                 | 18          |    |
| 全交流動力電源喪失（T B U）                              | 4                 | 18          |    |
| 全交流動力電源喪失（T B P）                              | 4                 | 19          |    |
| 炉床熱除去機能喪失（取水機能が喪失した場合）                        | 4                 | 18          |    |
| 炉床熱除去機能喪失（残留熱除去系が故障した場合）                      | 4                 | 17          |    |
| 原子炉停止機能喪失                                     | 4                 | 17          |    |
| LOCA時注水機能喪失（中/小破断）                            | 4                 | 18          |    |
| 格納容器バイパス（オーバーフローLOCA）                         | 4                 | 17          |    |
| <b>【格納容器破損防止】</b>                             |                   |             |    |
| 容積圧力・温度による静的負荷（格納容器過圧・過温破損）（代替循環冷却系を使用する場合）   | 4                 | 18          |    |
| 容積圧力・温度による静的負荷（格納容器過圧・過温破損）（代替循環冷却系を使用できない場合） | 4                 | 18          |    |
| 高圧放射物放出/格納容器過蒸気加熱                             | 4                 | 18          |    |
| 原子炉圧力容器外の放射線料→冷却材相互作用                         | 4                 | 18          |    |
| 水素燃焼  | 4                 | 18          |    |
| 炉床熱除去系・コンタリット相互作用                             | 4                 | 18          |    |
| <b>【使用済燃料プールの燃料損傷防止】</b>                      |                   |             |    |
| 想定事故1（SFP 補給水機能喪失）                            | 4                 | 17          |    |
| 想定事故2（SFP 補給水機能喪失+サイフォン現象による小規模漏えい）           | 4                 | 17          |    |
| <b>【運転停止中原子炉内の燃料損傷防止】</b>                     |                   |             |    |
| 炉床熱除去機能喪失                                     | 4                 | -           |    |
| 全交流動力電源喪失                                     | 4                 | 18          |    |
| 原子炉冷却材の流出                                     | 4                 | -           |    |
| 反応度の調整  | 4                 | -           |    |

・台数については、今後、訓練等を通して見直しを行う。  
 ・無線連絡設備のほか、衛星電話設備も使用可能であり、衛星電話設備も使用する。

泊発電所3号炉

参考第3-4表 各事故シーケンスグループ等で使用する無線連絡設備（携帯型）の台数

| 事故シーケンスグループ等   | 屋内（緊急時対策所） | 屋外（緊急時対策所） | 合計 |
|--|------------|------------|----|
| <b>【炉心損傷防止】</b>  |            |            |    |
| ① 2次冷却系からの除熱機能喪失（主給水喪失+補助給水失敗）   | -          | -          | -  |
| ② 全交流動力電源喪失（全交流動力電源喪失+格納容器破損防止+RCPシールドLOCA）                                  | 1          | 1          | 2  |
| ③ 全交流動力電源喪失（全交流動力電源喪失+格納容器破損防止+RCPシールドLOCA）                                  | 1          | 1          | 2  |
| ④ 全交流動力電源喪失（全交流動力電源喪失+格納容器破損防止+RCPシールドLOCA）                                  | 1          | 1          | 2  |
| ⑤ 原子炉停止機能喪失（原子炉停止機能喪失+格納容器破損防止+RCPシールドLOCA）                                  | -          | -          | -  |
| ⑥ 原子炉停止機能喪失（原子炉停止機能喪失+格納容器破損防止+RCPシールドLOCA）                                  | -          | -          | -  |
| ⑦ ECCS注水機能喪失（中/小LOCA+高圧注入失敗）<br>低圧注水系を用いる場合（6インチ系統）                          | -          | -          | -  |
| ⑧ ECCS注水機能喪失（中/小LOCA+高圧注入失敗）<br>低圧注水系を用いる場合（14インチ系統）                         | -          | -          | -  |
| ⑨ ECCS注水機能喪失（中/小LOCA+高圧注入失敗）<br>低圧注水系を用いる場合（12インチ系統）                         | -          | -          | -  |
| ⑩ ECCS再循環機能喪失（大LOCA+高圧再循環失敗+低圧再循環失敗）<br>ECCS再循環機能喪失（中/小LOCA+高圧再循環失敗+低圧再循環失敗） | -          | -          | -  |
| ⑪ 格納容器バイパス（インターフェイスシステムLOCA）   | -          | -          | -  |
| ⑫ 格納容器バイパス（緊急発生器伝信管破損）   | -          | -          | -  |
| <b>【格納容器破損防止】</b>  |            |            |    |
| ⑬ 格納容器過圧破損（大LOCA+ECCS注入失敗+格納容器破損防止+RCPシールドLOCA）                              | 1          | 1          | 2  |
| ⑭ 格納容器過温破損（全交流電源喪失+補助給水失敗）   | 1          | 1          | 2  |
| ⑮ 格納容器過蒸気加熱（全交流動力電源喪失+補助給水失敗）  | 1          | 1          | 2  |
| ⑯ 炉外の蒸気発生→冷却剤相互作用（大LOCA+ECCS注入失敗）  | 1          | 1          | 2  |
| ⑰ 水素燃焼（大LOCA+ECCS注入失敗）   | 1          | 1          | 2  |
| ⑱ 同様   | 1          | 1          | 2  |
| ⑲と同様   | 1          | 1          | 2  |
| <b>【SFPの燃料損傷防止】</b>  |            |            |    |
| ⑳ 想定事故1（使用済燃料ピット冷却系及び補給水系の故障）  | 1          | 1          | 2  |
| ㉑ 想定事故2（使用済燃料ピット冷却系配管の破断）  | 1          | 1          | 2  |
| <b>【浄化中原子炉の燃料損傷防止】</b>   |            |            |    |
| ㉒ 炉床熱除去機能喪失（ミッドループ運転中の余熱除去系統の機能喪失及び全交流電源喪失）                                  | -          | -          | -  |
| ㉓ 原子炉冷却材の流出（ミッドループ運転中の原子炉冷却材流出）  | -          | -          | -  |
| ㉔ 反応度の調整   | -          | -          | -  |

※ 現場に16台、緊急時対策所に4台保管しており、重大事故時においても対応できる。  
 ・台数については、今後、訓練等を通して見直しを行う。

相違理由

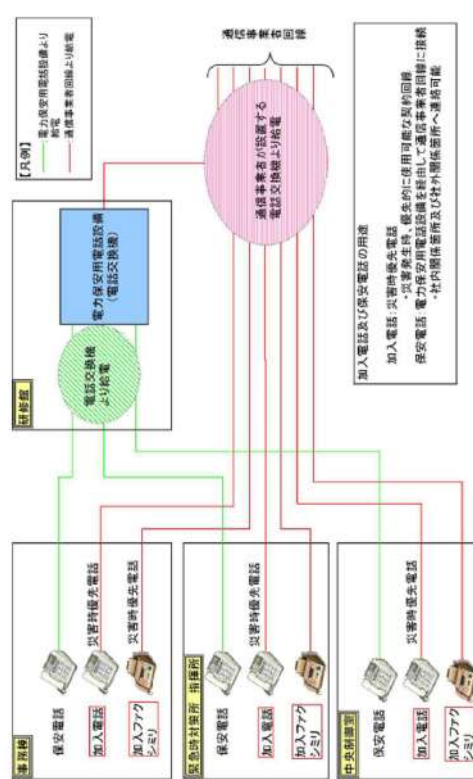
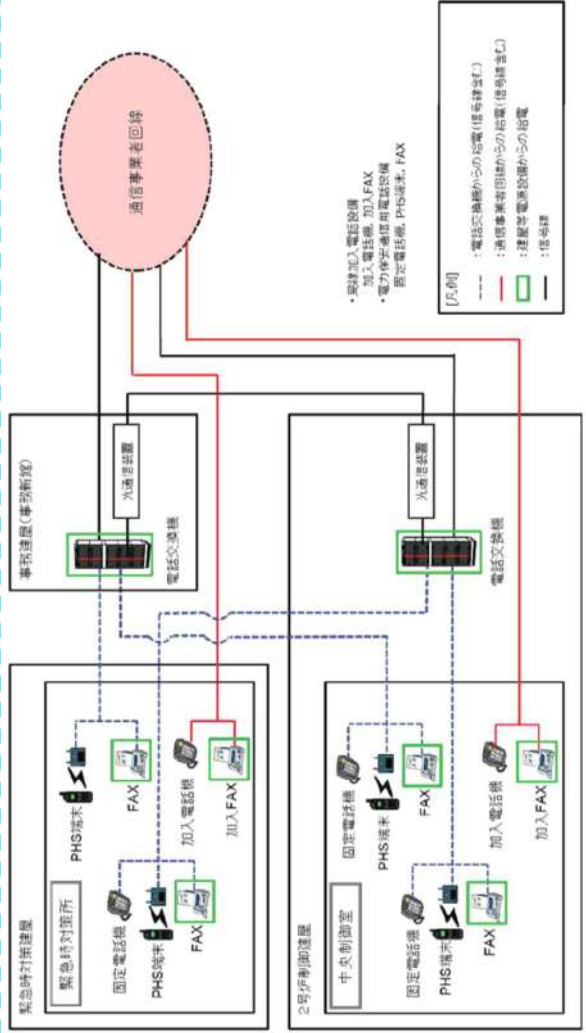
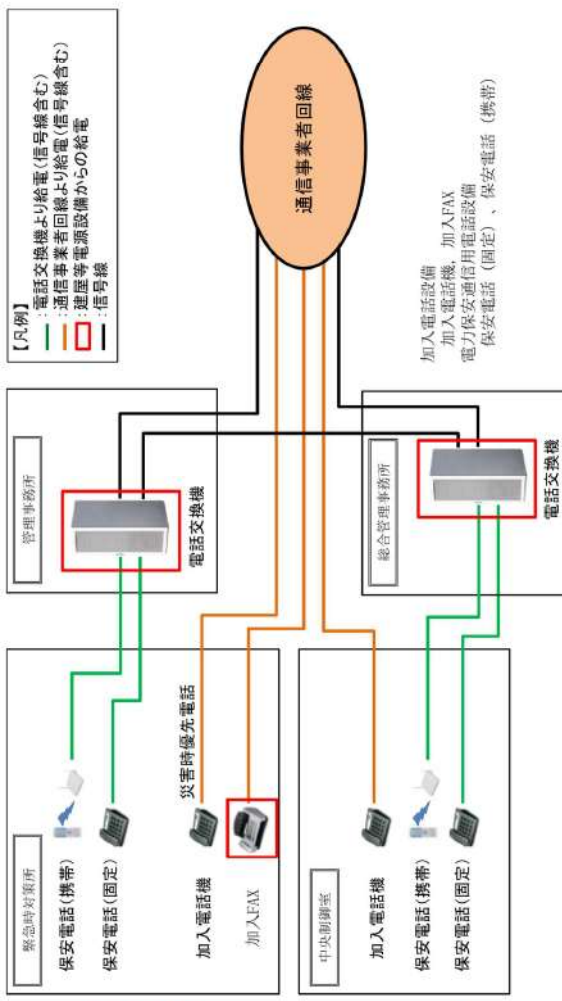
SAに係る内容（当ページ）

【女川】記載方針の相違・女川では各事故シーケンスグループの説明の表で、無線連絡設備（携帯型）及び衛星電話設備（携帯型）を一緒に記載している。


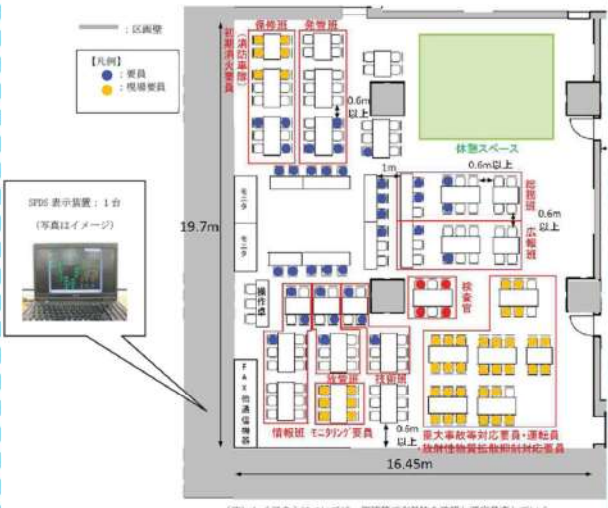

【女川】記載方針の相違（大飯審査実績の反映）



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3/4号炉   | 女川原子力発電所2号炉  | 泊発電所3号炉  | 相違理由  |
|--|--|--|---|
| <p>【比較のため順番を変更して記載】</p> <p>参考7. 加入電話システムの構成</p> <p>加入電話については、通信事業者から電源が給電されるため、発電所内の電源に依存しない仕様となっている。</p> <p>加入電話システムの構成概要を図10に示す。</p>  <p>図10は、加入電話システムの構成概要を示す図である。左側に「緊急時対策室」があり、保安電話、加入電話、加入FAX/シミリ、災害時優先電話が設置されている。中央には「緊急時対策室 指揮所」があり、保安電話、加入電話、加入FAX/シミリが設置されている。右側に「中央制御室」があり、保安電話、加入電話、加入FAX/シミリが設置されている。また、「電力保安用電話設備（電話交換機）」と「電話交換機より給電」のブロックがあり、電力保安用電話設備より給電、通信事業者回線より給電、電力保安用電話設備より給電が示されている。右側の注釈には「加入電話及び保安電話の用途」が記載されている。</p> <p>図10 加入電話システムの構成概要図</p> | <p>参考4 加入電話システムの構成</p> <p>加入電話については、通信事業者から電源が給電されるため、発電所内の電源に依存しない仕様となっている。</p> <p>加入電話システムの構成概要を参考第4-1-1図に示す。</p>  <p>参考第4-1-1図は、加入電話システムの構成概要を示す図である。左側に「緊急時対策室」があり、PHS端末、FAX、加入電話機、加入FAXが設置されている。中央には「2号炉制御室」があり、固定電話機、PHS端末、FAX、加入電話機、加入FAXが設置されている。右側に「事務室（事故新規）」があり、光通信装置、電話交換機が設置されている。また、「通信事業者回線」のブロックがあり、電話交換機と接続されている。右側の注釈には「加入電話システムの構成概要」が記載されている。</p> <p>参考第4-1-1図 加入電話システムの構成概要図</p> | <p>参考4 加入電話システムの構成</p> <p>加入電話については、通信事業者から電源が給電されるため、発電所内の電源に依存しない仕様となっている。</p> <p>加入電話システムの構成概要を参考第4-1図に示す。</p>  <p>参考第4-1図は、加入電話システムの構成概要を示す図である。左側に「緊急時対策室」があり、保安電話（携帯）、保安電話（固定）、加入電話機、加入FAXが設置されている。中央には「管理事務所」があり、電話交換機が設置されている。右側に「総合管理事務所」があり、電話交換機が設置されている。また、「通信事業者回線」のブロックがあり、電話交換機と接続されている。右側の注釈には「加入電話システムの構成概要」が記載されている。</p> <p>参考第4-1図 加入電話システムの構成概要図</p> | <p>【大飯】記載方針の相違<br/>         （女川審査実績の反映）<br/>         ・大飯は参考7に記載</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3/4号炉   | 女川原子力発電所2号炉  | 泊発電所3号炉  | 相違理由   |
|--|--|--|--|
| <p>参考4 緊急時対策所のSPDS表示装置</p> <p>緊急時対策所 指揮所においては、SPDS表示装置から大型モニターに表示可能とし、さらにプロジェクターによる表示も可能としている。</p> <p>大型モニター等の設置位置を図6に示す。</p>  <p>図6 緊急時対策所 指揮所における配置図</p> | <p>参考5 緊急時対策所におけるSPDS表示装置</p> <p>緊急時対策所におけるSPDSデータの表示については、SPDS表示装置の画面により表示させることで、プラントの状態を共有することが可能な設計とする。</p> <p>なお、ほかの表示モニタを配備し、SPDS表示装置の画面を表示させることが可能な設計とする。</p> <p>概要を参考第5.1-1図に示す。</p>  <p>参考第5.1-1図 緊急時対策所におけるSPDSデータ表示の概要</p> | <p>参考5 緊急時対策所におけるデータ表示端末</p> <p>緊急時対策所におけるSPDSパラメータの表示については、データ表示端末の画面により表示させることで、プラントの状態を共有することが可能な設計とする。</p> <p>なお、ほかの大型モニタを配備し、データ表示端末の画面を表示させることが可能な設計とする。</p> <p>概要を参考第5-1図に示す。</p>  <p>参考第5-1図 緊急時対策所におけるSPDSパラメータ表示の概要</p> | <p>【大飯】記載方針の相違<br/>             （女川審査実績の反映）</p> <p>【女川】記載表現の相違・名称の相違<br/>             女川：SPDS データ<br/>             泊：SPDS パラメータ<br/>             女川：表示モニタ<br/>             泊：大型モニタ</p> <p>【大飯】<br/>             設計方針の相違<br/>             ・設備の相違<br/>             泊は、プロジェクターを配備していないものの、データ表示端末を予備含め4台・大型モニタを予備含め3台配備しており緊急時対策所内でのデータ共有の視認性に相違はない</p> |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉  | 女川原子力発電所2号炉   | 泊発電所3号炉   | 相違理由  |
|---|---|---|---|
| <p>参考5 SPDSバックアップラインで確認できるパラメータリスト</p> <p>SPDSへのデータ入力は、通常時はプラント計算機からの入力であるが、別途バックアップラインを設置している。</p> <p>このバックアップラインは、安全保護系ラック、N I S<sup>*1</sup>盤、R M S<sup>*2</sup>盤等から直接データを収集することができ、主要プラントパラメータの大半をバックアップすることができる。</p> <p>バックアップ対象ではないプラントパラメータについては、今後バックアップライン他から収集できるプラントパラメータ対象範囲を検討し、増加する予定である。</p> | <p>参考6 安全パラメータ表示システム(SPDS)のデータ伝送概要と確認できるパラメータ</p> <p>緊急時対策所内に設置するSPDS 伝送装置は、2号炉の制御建屋に設置するデータ収集装置からデータを収集し、SPDS 表示装置にて確認できる設計とする。</p> <p>緊急時対策所内に設置するSPDS 伝送装置に入力されるパラメータ (SPDS パラメータ) は、緊急時対策所において、データを確認できるとともに、国の緊急時対策支援システム (ERSS) へ伝送できる設計とする。</p> <p>通常データ伝送ラインである有線系回線が使用できない場合、緊急時対策所内に設置するSPDS 伝送装置は、バックアップ伝送ラインである無線系回線により2号炉の制御建屋に設置するデータ収集装置からデータを収集し、SPDS 表示装置にて確認できる設計とする。</p> | <p>参考6 データ伝送設備（発電所内）及びデータ伝送設備（発電所外）のデータ伝送概要と確認できるパラメータ</p> <p>原子炉補助建屋に設置するデータ収集計算機は、プラント計算機からデータを収集し、データ表示端末にて確認できる設計とする。</p> <p>原子炉補助建屋に設置するデータ収集計算機に入力されるパラメータ (SPDS パラメータ) は、緊急時対策所において、データを確認できるとともに、国の緊急時対策支援システム (ERSS) へ伝送できる設計とする。</p> <p>データ収集計算機へのデータ入力は、通常はプラント計算機からの入力であるが、別途バックアップ伝送ライン（収集用）を設置している。</p> <p>このバックアップ伝送ライン（収集用）は、原子炉安全保護盤等の耐震性を有する計測装置等から直接データを収集することができる。</p> <p>バックアップ対象ではないプラントパラメータについては、今後バックアップライン他から収集できるプラントパラメータ対象範囲を検討し、増加する予定である。</p> <p>通常データ伝送ラインである有線系回線が使用できない場合、緊急時対策所内に設置するデータ表示端末は、バックアップ伝送ライン（表示用）である無線系回線により、原子炉補助建屋に設置するデータ収集計算機からデータを収集し、データ表示端末にて確認できる設計とする。</p> | <p>【大飯】記載表現の相違</p> <p>【女川】設計方針の相違<br/>・2-2⑩及び⑪記載のとり<br/>【女川】設計方針の相違<br/>・2-2⑩及び⑪記載のとり</p> <p>【女川】記載方針の相違<br/>・記載の充実（大飯参照）</p> <p>【大飯】記載表現の相違</p> <p>【女川】設計方針の相違<br/>・泊は原子炉補助建屋と緊急時対策所の建屋間の通信を、データ表示端末～データ収集計算機間で行っている。なお、大飯と同一の設備構成である。</p> <p>【女川】<br/>記載表現の相違</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉   | 女川原子力発電所2号炉   | 泊発電所3号炉   | 相違理由   |
|--|---|---|--|
| <p>バックアップ伝送ラインでは、SPDSサーバに2週間分（1分周期）のデータを保存できる仕様となっている。サーバ本体に保存可能な容量32Gバイトのうち、データ保存が可能な領域として約6Gバイトを確保している。2週間のデータ容量は約88Mバイトであり、順次、上書き保存される。また、それらのパラメータについては、緊急時対策所 指揮所に設置しているSPDS表示装置から、外部媒体へ保存することが可能である。</p> <p>SPDSにてバックアップできるパラメータリストを表11、12、13、14、15に記載する。</p> <p>※1：NISとは、「Nuclear Instrumentation System」（炉外核計装装置）の略称。<br/>                 ※2：RMSとは、「Radiation Monitoring System」（放射線監視装置）の略称。</p> | <p>バックアップ伝送ラインでは、SPDS 伝送装置は国の緊急時対策支援システム（ERSS）へ伝送している<b>主な</b>パラメータ（ERSS 伝送パラメータ）を収集するとともに、国の緊急時対策支援システム（ERSS）へ伝送しているパラメータ以外にも、原子炉格納容器内の状態、使用済燃料プールの状態、水素爆発による原子炉格納容器の破損防止確認、水素爆発による原子炉建屋の損傷防止の確認に必要なパラメータ（バックアップ対象パラメータ）を収集し、確認できる設計とする。</p> <p>原子炉水位、圧力等の主要なパラメータの計測が困難となった場合においても、緊急時対策所において推定できるよう可能な限り関連パラメータを確認できる設計とする。</p> <p>周辺の環境放射線状況を把握するため、可搬型モニタリングポスト及び代替気象観測設備のデータを伝送し、確認できる設計とする。</p> <p>なお、今後の監視パラメータ追加や表示機能の拡張等を考慮し、余裕のあるデータ伝送容量を持つとともに表示機能の拡張性を考慮した設計とし、適宜、パラメータを追加及び表示することとする。</p> <p>安全パラメータ表示システム（SPDS）のデータ伝送概要を参考第6.1-1図に示す。<br/>                 また、SPDS表示装置で確認できるパラメータを参考第6.1-1表に示す。</p> <p>※一部のパラメータは、バックアップ伝送ラインを経由せず、SPDS表示装置で確認できる。</p> | <p>バックアップ伝送ライン（表示用）では、データ表示端末は国の緊急時対策支援システム（ERSS）へ伝送しているパラメータ（ERSS 伝送パラメータ）を収集するとともに、国の緊急時対策支援システム（ERSS）へ伝送しているパラメータ以外にも、原子炉格納容器内の状態、使用済燃料ピットの状態、水素爆発による原子炉格納容器の破損防止確認、水素爆発による原子炉建屋の損傷防止の確認に必要なパラメータ（バックアップ対象パラメータ）を収集し、確認できる設計とする。</p> <p>原子炉水位、圧力等の主要なパラメータの計測が困難となった場合においても、緊急時対策所において推定できるよう可能な限り関連パラメータを確認できる設計とする。</p> <p>周辺の環境放射線状況を把握するため、可搬型モニタリングポスト及び可搬型気象観測設備のデータを伝送し、確認できる設計とする。</p> <p>なお、今後の監視パラメータ追加や表示機能の拡張等を考慮し、余裕のあるデータ伝送容量を持つとともに表示機能の拡張性を考慮した設計とし、適宜、パラメータを追加及び表示することとする。</p> <p>データ収集計算機のデータ伝送概要を参考第6-1図に示す。</p> <p>また、データ表示端末で確認できるパラメータを参考第6-1表に示す。</p> | <p>【女川】設計方針の相違・2-2②記載のとおり。<br/>                 【女川】・設備の相違<br/>                 泊3号炉は有線系回線及び無線系回線ともに同じデータをデータ表示端末に伝送している。<br/>                 【女川】記載表現の相違<br/>                 女川：使用済燃料プール、泊：使用済燃料ピット<br/>                 【女川】記載表現の相違<br/>                 女川：代替気象観測設備、泊：可搬型気象観測設備<br/>                 【大飯】記載方針の相違（女川審査実績の反映）<br/>                 ・泊と女川は、データ保存期間について参考7に記載している。また、泊と女川は、プラントパラメータを2週間分保存できる設計としており、大飯と保存期間に相違はない。</p> <p>【女川】・設備の相違<br/>                 泊は有線系回線及び無線系回線ともに同じデータをデータ表示端末に伝送している。<br/>                 【女川】設計の相違<br/>                 ・2-2②及び①記載のと</p> |





赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

大飯発電所3/4号炉

表11 バックアップできるパラメータリスト (1/5)

| 目的             | 対象パラメータ                | SPDS 入力<br>パラメータ | ERSSへ<br>伝送している<br>パラメータ | バックアップ<br>対象パラメータ |   |
|----------------|------------------------|------------------|--------------------------|-------------------|---|
| 炉心反応度<br>の状態確認 | 出力領域平均中性子束チャンネル<br>平均値 | ○                | ○                        | —                 |   |
|                | 中性子束                   | ○                | ○                        | ○                 |   |
|                | 中間領域中性子束               | ○                | ○                        | ○                 |   |
|                | 中性子束領域中性子束             | ○                | ○                        | ○                 |   |
|                | 出力領域中性子束               | ○                | ○                        | ○                 |   |
| 炉心冷却の<br>状態確認  | 加圧器水位                  | ○                | ○                        | ○                 |   |
|                | 1次冷却材圧力                | ○                | ○                        | ○                 |   |
|                | 原子炉水位                  | ○                | ○                        | ○                 |   |
|                | 1次冷却材温度<br>(広域)        | Aループ冷却材最高側温度(広域) | ○                        | ○                 | ○ |
|                |                        | Bループ冷却材最高側温度(広域) | ○                        | ○                 | ○ |
|                |                        | Cループ冷却材最高側温度(広域) | ○                        | ○                 | ○ |
|                |                        | Dループ冷却材最高側温度(広域) | ○                        | ○                 | ○ |
|                |                        | Aループ冷却材最低側温度(広域) | ○                        | —                 | ○ |
|                |                        | Bループ冷却材最低側温度(広域) | ○                        | —                 | ○ |
|                |                        | Cループ冷却材最低側温度(広域) | ○                        | —                 | ○ |
|                |                        | Dループ冷却材最低側温度(広域) | ○                        | —                 | ○ |

表12 バックアップできるパラメータリスト (2/5)

| 目的                       | 対象パラメータ      | SPDS 入力<br>パラメータ | ERSSへ伝送<br>している<br>パラメータ | バックアップ<br>対象パラメータ |
|--------------------------|--------------|------------------|--------------------------|-------------------|
| 主蒸気圧力                    | A主蒸気圧力       | ○                | ○                        | ○                 |
|                          | B主蒸気圧力       | ○                | ○                        | ○                 |
|                          | C主蒸気圧力       | ○                | ○                        | ○                 |
|                          | D主蒸気圧力       | ○                | ○                        | ○                 |
| 安全注入流量                   | A高圧注入流量      | ○                | ○                        | ○                 |
|                          | B高圧注入流量      | ○                | ○                        | ○                 |
| 余熱除去流量                   | A余熱除去流量      | ○                | ○                        | ○                 |
|                          | D余熱除去流量      | ○                | ○                        | ○                 |
| 燃料取替用水<br>ピット水位          | 燃料取替用水ピット水位  | ○                | ○                        | ○                 |
|                          | 充てん水         | ○                | ○                        | ○                 |
| 炉心冷却の<br>状態確認            | 蒸気発生器<br>水位  | A蒸気発生器水位(広域)     | ○                        | ○                 |
|                          |              | B蒸気発生器水位(広域)     | ○                        | ○                 |
|                          |              | C蒸気発生器水位(広域)     | ○                        | ○                 |
|                          |              | D蒸気発生器水位(広域)     | ○                        | ○                 |
|                          | 2次系による<br>冷却 | A蒸気発生器水位(狭域)     | ○                        | —                 |
|                          |              | B蒸気発生器水位(狭域)     | ○                        | —                 |
|                          |              | C蒸気発生器水位(狭域)     | ○                        | —                 |
|                          |              | D蒸気発生器水位(狭域)     | ○                        | —                 |
| 所内母線電圧<br>(非常用)          | A蒸気発生器補助給水流量 | ○                | ○                        |                   |
|                          | B蒸気発生器補助給水流量 | ○                | ○                        |                   |
|                          | C蒸気発生器補助給水流量 | ○                | ○                        |                   |
|                          | D蒸気発生器補助給水流量 | ○                | ○                        |                   |
| 1次冷却材<br>サブクール度<br>(T/C) | 4-3 A母線電圧    | ○                | ○                        |                   |
|                          | 4-3 B母線電圧    | ○                | ○                        |                   |
|                          | 4-3 AEG遮断器   | ○                | ○                        |                   |
|                          | 4-3 BEG遮断器   | ○                | ○                        |                   |

女川原子力発電所2号炉

参考第6.1-1表 SPDS表示装置で確認できるパラメータ (1/10)

| 目的             | 対象パラメータ      | SPDS<br>パラメータ | ERSS 伝送<br>パラメータ | バック<br>アップ対象<br>パラメータ |
|----------------|--------------|---------------|------------------|-----------------------|
| 炉心反応度<br>の状態確認 | APRMレベル(平均)  | ○             | ○                | ○                     |
|                | APRM(A)レベル   | ○             | —                | ○                     |
|                | APRM(B)レベル   | ○             | —                | ○                     |
|                | APRM(C)レベル   | ○             | —                | ○                     |
|                | APRM(D)レベル   | ○             | —                | ○                     |
|                | APRM(E)レベル   | ○             | —                | ○                     |
|                | APRM(F)レベル   | ○             | —                | ○                     |
|                | SRRM(A)対数計数率 | ○             | ○                | ○                     |
|                | SRRM(B)対数計数率 | ○             | ○                | ○                     |
|                | SRRM(C)対数計数率 | ○             | ○                | ○                     |
|                | SRRM(D)対数計数率 | ○             | ○                | ○                     |
|                | SRRM(E)対数計数率 | ○             | ○                | ○                     |
|                | SRRM(F)対数計数率 | ○             | ○                | ○                     |
|                | SRRM(G)対数計数率 | ○             | ○                | ○                     |
|                | SRRM(H)対数計数率 | ○             | ○                | ○                     |
|                | SRRM(A)計数率異常 | ○             | ○                | ○                     |
|                | SRRM(B)計数率異常 | ○             | ○                | ○                     |
|                | SRRM(C)計数率異常 | ○             | ○                | ○                     |
|                | SRRM(D)計数率異常 | ○             | ○                | ○                     |
|                | SRRM(E)計数率異常 | ○             | ○                | ○                     |
| 炉心冷却の<br>状態確認  | SRRM(F)計数率異常 | ○             | ○                | ○                     |
|                | SRRM(G)計数率異常 | ○             | ○                | ○                     |
|                | SRRM(H)計数率異常 | ○             | ○                | ○                     |
|                | SRRM(A)線形%出力 | ○             | ○                | ○                     |
|                | SRRM(B)線形%出力 | ○             | ○                | ○                     |
|                | SRRM(C)線形%出力 | ○             | ○                | ○                     |
|                | SRRM(D)線形%出力 | ○             | ○                | ○                     |
|                | SRRM(E)線形%出力 | ○             | ○                | ○                     |
|                | SRRM(F)線形%出力 | ○             | ○                | ○                     |
|                | SRRM(G)線形%出力 | ○             | ○                | ○                     |
| SRRM(H)線形%出力   | ○            | ○             | ○                |                       |
| 全副制御棒挿入        | ○            | ○             | ○                |                       |

泊発電所3号炉

参考第6-1表 データ表示端末で確認できるパラメータ (1/5)

| 目的             | 対象パラメータ            | バックアップ対象<br>パラメータ | ERSSへ<br>伝送している<br>パラメータ | データ収集<br>計測値入力 |
|----------------|--------------------|-------------------|--------------------------|----------------|
| 炉心反応度<br>の状態確認 | 中性子束領域中性子束         | ○                 | ○                        | ○              |
|                | 中間領域中性子束           | ○                 | ○                        | ○              |
|                | 出力領域中性子束           | ○                 | ○                        | ○              |
|                | A-1出力領域中性子束        | ○                 | ○                        | ○              |
|                | B-1出力領域中性子束        | ○                 | ○                        | ○              |
|                | 加圧器水位              | ○                 | ○                        | ○              |
|                | 1次冷却材圧力(広域)        | ○                 | ○                        | ○              |
|                | Aループ1次冷却材最高側温度(広域) | ○                 | ○                        | ○              |
|                | Bループ1次冷却材最高側温度(広域) | ○                 | ○                        | ○              |
|                | Cループ1次冷却材最高側温度(広域) | ○                 | ○                        | ○              |
| 炉心冷却の<br>状態確認  | Aループ1次冷却材最低側温度(広域) | ○                 | ○                        | ○              |
|                | Bループ1次冷却材最低側温度(広域) | ○                 | ○                        | ○              |
|                | Cループ1次冷却材最低側温度(広域) | ○                 | ○                        | ○              |
|                | A-1主蒸気ライン圧力        | ○                 | ○                        | ○              |
|                | B-1主蒸気ライン圧力        | ○                 | ○                        | ○              |
|                | C-1主蒸気ライン圧力        | ○                 | ○                        | ○              |
|                | A-1高圧注入ポンプ出口流量     | ○                 | ○                        | ○              |
|                | B-1高圧注入ポンプ出口流量     | ○                 | ○                        | ○              |
|                | 余熱除去Aライン流量         | ○                 | ○                        | ○              |
|                | 燃料取替用水ピット水位        | ○                 | ○                        | ○              |
| A-1蒸気発生器水位(広域) | ○                  | ○                 | ○                        |                |
| C-1蒸気発生器水位(広域) | ○                  | ○                 | ○                        |                |

【女川】PWR設計の反映  
 炉型の相違により設備  
 及び対象パラメータに  
 相違はあるが、データ表  
 示端末で表示する「目  
 的」は同等であり、緊急  
 時対策所で必要な情報  
 を把握できることに相  
 違はない。  
 【大飯】記載表現の相違  
 データ表示端末で表示  
 する「目的」及び対象パ  
 ラメータは同等であり、  
 データ表示端末の機能  
 に相違はない。



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3/4号炉                  |                                |                                |                            | 女川原子力発電所2号炉       |    |                  |               | 泊発電所3号炉          |                       |                   |                          | 相違理由           |                  |   |  |
|-----------------------------|--------------------------------|--------------------------------|----------------------------|-------------------|----|------------------|---------------|------------------|-----------------------|-------------------|--------------------------|----------------|------------------|---|--|
| 表13 バックアップできるパラメータリスト (3/5) |                                |                                |                            | (2/10)            |    |                  |               | (2/5)            |                       |                   |                          |                |                  |   |  |
| 目的                          | 対象パラメータ                        | SPDS 入力<br>パラメータ               | ESSSへ伝送<br>している<br>パラメータ   | バックアップ<br>対象パラメータ | 目的 | 対象パラメータ          | SPDS<br>パラメータ | ESSS 伝送<br>パラメータ | バック<br>アップ対象<br>パラメータ | バックアップ対象<br>パラメータ | ESSSへ<br>伝送している<br>パラメータ | データ収集<br>計算機入力 | 対象パラメータ          | 相違理由  |  |
| 燃料の<br>状態確認                 | 炉心出口温度                         | 炉心出口温度(最大)                     | ○                          | ○                 | ○  | 原子炉圧力(広帯域) B V   | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉圧力(広帯域) B V   | 【女川】PWR設計の反映<br>炉型の相違により設備<br>及び対象パラメータに<br>相違はあるが、データ表<br>示端末で表示する「目的」<br>は同等であり、緊急<br>時対策所で必要な情報<br>を把握できることに相<br>違はない。<br><br>【大飯】記載表現の相違<br>データ表示端末で表示<br>する「目的」及び対象パ<br>ラメータは同等であり、<br>データ表示端末の機能<br>に相違はない。   |  |
|                             |                                | 炉心出口温度(平均)                     | ○                          | ○                 | ○  | 原子炉圧力(広帯域) A     | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉圧力(広帯域) B     |   |  |
|                             | 格納容器内<br>高レンジ<br>エリアモニタ<br>の指示 | A格納容器内高レンジエリアモニ<br>タ(高レンジ)     | ○                          | ○                 | ○  | 原子炉水位(広帯域) P B V | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(広帯域) P B V |   |  |
|                             |                                | B格納容器内高レンジエリアモニ<br>タ(高レンジ)     | ○                          | ○                 | ○  | 原子炉水位(広帯域) A     | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(広帯域) A     |   |  |
|                             |                                | A格納容器内高レンジエリアモニ<br>タ(低レンジ)     | ○                          | ○                 | ○  | 原子炉水位(広帯域) B     | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) P B V  |   |  |
|                             |                                | B格納容器内高レンジエリアモニ<br>タ(低レンジ)     | ○                          | ○                 | ○  | 原子炉水位(燃料) A      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) A      |   |  |
| 格納容器の<br>状態確認               | 格納容器圧力                         | 格納容器圧力(広域)                     | ○                          | ○                 | ○  | 原子炉水位(燃料) B      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) B      |   | PLRポンプ(A) 入口流量<br>PLRポンプ(B) 入口流量<br>SRV 開<br>RHRポンプ(A) 出口流量<br>RHRポンプ(B) 出口流量<br>RHRポンプ(C) 出口流量<br>LPCSポンプ出口流量<br>HPCSポンプ出口流量<br>RJCポンプ出口流量<br>HPACポンプ出口流量<br>RHRヘッドスプレイレイン洗浄流量<br>RHR B系格納容器冷却ライン洗浄流量<br>RHR熱交換器(A) 冷却水入口流量<br>RHR熱交換器(B) 冷却水入口流量<br>RCW A系 系統流量<br>RCW B系 系統流量<br>6-3005 送動器<br>6-3006 送動器<br>6-30A 送動電圧<br>6-30B 送動電圧<br>サブターナル電圧(ループ)<br>サブターナル電圧(炉心)<br>1次冷却材圧力(広域)<br>炉心出口最大温度<br>炉心出口平均温度<br>Aループ1 冷却材封入温度(広域)<br>Bループ1 冷却材封入温度(広域)<br>Cループ1 冷却材封入温度(広域)<br>Aループ1 冷却材封入温度(広域)<br>Bループ1 冷却材封入温度(広域)<br>Cループ1 冷却材封入温度(広域)<br>格納容器高レンジエリアモニタ(高レンジ)<br>格納容器高レンジエリアモニタ(低レンジ) |
|                             |                                | AM用格納容器圧力                      | ○                          | ○                 | ○  | 原子炉水位(燃料) B      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) B      |   |  |
|                             | 格納容器温度                         | 格納容器内温度                        | ○                          | ○                 | ○  | 原子炉水位(燃料) A      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) A      |   |  |
|                             |                                | A格納容器再循環サンプ水位(広<br>域)          | ○                          | ○                 | ○  | 原子炉水位(燃料) B      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) B      |   |  |
|                             | 格納容器水位                         | D格納容器再循環サンプ水位(広<br>域)          | ○                          | ○                 | ○  | 原子炉水位(燃料) A      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) A      |   |  |
|                             |                                | A格納容器再循環サンプ水位(狭<br>域)          | ○                          | ○                 | ○  | 原子炉水位(燃料) B      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) B      |   |  |
|                             |                                | B格納容器再循環サンプ水位(狭<br>域)          | ○                          | ○                 | ○  | 原子炉水位(燃料) A      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) A      |   |  |
|                             |                                | 格納容器水位                         | ○                          | ○                 | ○  | 原子炉水位(燃料) B      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) B      |   |  |
|                             | 格納容器<br>スプレイ流量                 | 原子炉下部キャビティ水位                   | ○                          | ○                 | ○  | 原子炉水位(燃料) A      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) A      |   |  |
|                             |                                | A格納容器スプレイ流量                    | ○                          | ○                 | ○  | 原子炉水位(燃料) B      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) B      |   |  |
|                             |                                | B格納容器スプレイ流量                    | ○                          | ○                 | ○  | 原子炉水位(燃料) A      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) A      |   |  |
|                             |                                | A格納容器スプレイ流量積算                  | ○                          | ○                 | ○  | 原子炉水位(燃料) B      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) B      |   |  |
|                             |                                | 格納容器内<br>高レンジ<br>エリアモニタ<br>の指示 | A格納容器内高レンジエリアモニ<br>タ(高レンジ) | ○                 | ○  | ○                | 原子炉水位(燃料) A   | ○                | ○                     | ○                 | ○                        | ○              | ○                | 原子炉水位(燃料) A   |  |
|                             |                                |                                | B格納容器内高レンジエリアモニ<br>タ(高レンジ) | ○                 | ○  | ○                | 原子炉水位(燃料) B   | ○                | ○                     | ○                 | ○                        | ○              | ○                | 原子炉水位(燃料) B   |  |
|                             | 格納容器内<br>高レンジ<br>エリアモニタ<br>の指示 | A格納容器内高レンジエリアモニ<br>タ(低レンジ)     | ○                          | ○                 | ○  | 原子炉水位(燃料) A      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) A      |   |  |
|                             |                                | B格納容器内高レンジエリアモニ<br>タ(低レンジ)     | ○                          | ○                 | ○  | 原子炉水位(燃料) B      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) B      |   |  |
|                             | 格納容器ガス<br>モニタの指示               | 格納容器ガスモニタ                      | ○                          | ○                 | ○  | 原子炉水位(燃料) A      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) A      |   |  |
|                             | 格納容器<br>水素濃度                   | 可搬型格納容器水素ガス濃度                  | ○                          | ○                 | ○  | 原子炉水位(燃料) B      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) B      |   |  |
| 炉心冷却の<br>状態確認               | 炉心冷却の<br>状態確認                  | 6-3005 送動器                     | ○                          | ○                 | ○  | 原子炉水位(燃料) A      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) A      | 6-3005 送動器<br>6-3006 送動器<br>6-30A 送動電圧<br>6-30B 送動電圧<br>サブターナル電圧(ループ)<br>サブターナル電圧(炉心)<br>1次冷却材圧力(広域)<br>炉心出口最大温度<br>炉心出口平均温度<br>Aループ1 冷却材封入温度(広域)<br>Bループ1 冷却材封入温度(広域)<br>Cループ1 冷却材封入温度(広域)<br>Aループ1 冷却材封入温度(広域)<br>Bループ1 冷却材封入温度(広域)<br>Cループ1 冷却材封入温度(広域)<br>格納容器高レンジエリアモニタ(高レンジ)<br>格納容器高レンジエリアモニタ(低レンジ)<br>エリアモニタの指示 |  |
|                             |                                | 6-3006 送動器                     | ○                          | ○                 | ○  | 原子炉水位(燃料) B      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) B      |   |  |
|                             |                                | 6-30A 送動電圧                     | ○                          | ○                 | ○  | 原子炉水位(燃料) A      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) A      |   |  |
|                             |                                | 6-30B 送動電圧                     | ○                          | ○                 | ○  | 原子炉水位(燃料) B      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) B      |   |  |
|                             |                                | サブターナル電圧(ループ)                  | ○                          | ○                 | ○  | 原子炉水位(燃料) A      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) A      |   |  |
|                             |                                | サブターナル電圧(炉心)                   | ○                          | ○                 | ○  | 原子炉水位(燃料) B      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) B      |   |  |
|                             |                                | 1次冷却材圧力(広域)                    | ○                          | ○                 | ○  | 原子炉水位(燃料) A      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) A      |   |  |
|                             |                                | 炉心出口最大温度                       | ○                          | ○                 | ○  | 原子炉水位(燃料) B      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) B      |   |  |
|                             |                                | 炉心出口平均温度                       | ○                          | ○                 | ○  | 原子炉水位(燃料) A      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) A      |   |  |
|                             |                                | Aループ1 冷却材封入温度(広域)              | ○                          | ○                 | ○  | 原子炉水位(燃料) B      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) B      |   |  |
|                             |                                | Bループ1 冷却材封入温度(広域)              | ○                          | ○                 | ○  | 原子炉水位(燃料) A      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) A      |   |  |
|                             |                                | Cループ1 冷却材封入温度(広域)              | ○                          | ○                 | ○  | 原子炉水位(燃料) B      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) B      |   |  |
|                             |                                | Aループ1 冷却材封入温度(広域)              | ○                          | ○                 | ○  | 原子炉水位(燃料) A      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) A      |   |  |
|                             |                                | Bループ1 冷却材封入温度(広域)              | ○                          | ○                 | ○  | 原子炉水位(燃料) B      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) B      |   |  |
|                             |                                | Cループ1 冷却材封入温度(広域)              | ○                          | ○                 | ○  | 原子炉水位(燃料) A      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) A      |   |  |
|                             |                                | 1次冷却材温度(広域-高圧側、低圧側)            | ○                          | ○                 | ○  | 原子炉水位(燃料) B      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) B      |   |  |
|                             |                                | 1次冷却材温度(広域-高圧側、低圧側)            | ○                          | ○                 | ○  | 原子炉水位(燃料) A      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) A      |   |  |
|                             |                                | 1次冷却材温度(広域-高圧側、低圧側)            | ○                          | ○                 | ○  | 原子炉水位(燃料) B      | ○             | ○                | ○                     | ○                 | ○                        | ○              | 原子炉水位(燃料) B      |   |  |
| 格納容器内高レンジ<br>エリアモニタの指示      | ○                              | ○                              | ○                          | 原子炉水位(燃料) A       | ○  | ○                | ○             | ○                | ○                     | ○                 | ○                        | 原子炉水位(燃料) A    |                  |   |  |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所3/4号炉

表14 バックアップできるパラメータリスト (4/5)

| 目的                    | 対象パラメータ                                | SPS入力<br>パラメータ | ERSへ伝送<br>している<br>パラメータ | バックアップ<br>できる<br>対象パラメータ |
|-----------------------|--|----------------|-------------------------|--------------------------|
| 放射能レベルの<br>監視確認       | 排気筒ガスモニタの指示                            |                |                         |                          |
|                       | A排気筒ガスモニタ                              | ○              | ○                       | ○                        |
|                       | B排気筒ガスモニタ                              | ○              | ○                       | ○                        |
|                       | 排気筒高レンジガスモニタ (低レンジ)                    | ○              | ○                       | ○                        |
| 監視の<br>情報確認           | 原子炉格納容器<br>隔離の状態                       | ○              | ○                       | ○                        |
|                       | モニタリングボ<br>スト及びモニタ<br>リングステーシ<br>ョンの指示 |                |                         |                          |
|                       | モニタポストNo.1 露量率                         | ○              | ○                       | ○                        |
|                       | モニタポストNo.2 露量率                         | ○              | ○                       | ○                        |
| 気象情報                  | モニタポストNo.3 露量率                         | ○              | ○                       | ○                        |
|                       | モニタポストNo.4 露量率                         | ○              | ○                       | ○                        |
|                       | モニタポストNo.5 露量率                         | ○              | ○                       | ○                        |
|                       | モニタステーション露量率                           | ○              | ○                       | ○                        |
| 使用済燃料ピ<br>ットの状態確認     | 10分間最多風向方位番号                           | ○              | ○                       | ○                        |
|                       | 風速 (平均風速)                              | ○              | ○                       | ○                        |
|                       | 天気安定度                                  | ○              | ○                       | ○                        |
|                       | A使用済燃料ピット水位 (AM用)                      | ○              | ○                       | ○                        |
| 燃料取扱装置<br>の故障確認       | B使用済燃料ピット水位 (AM用)                      | ○              | ○                       | ○                        |
|                       | A可搬式使用済燃料ピット水位                         | ○              | ○                       | ○                        |
|                       | B可搬式使用済燃料ピット水位                         | ○              | ○                       | ○                        |
|                       | A使用済燃料ピット温度 (AM用)                      | ○              | ○                       | ○                        |
| その他<br>(ECCSの<br>状態等) | B使用済燃料ピット温度 (AM用)                      | ○              | ○                       | ○                        |
|                       | 使用済燃料ピット区域エリアモニタ                       | ○              | ○                       | ○                        |
|                       | A可搬式使用済燃料ピット区域周辺<br>エリアモニタ             | ○              | ○                       | ○                        |
|                       | B可搬式使用済燃料ピット区域周辺<br>エリアモニタ             | ○              | ○                       | ○                        |
| ECCSの状態<br>(高圧注入系)    | A高圧注入ポンプ                               | ○              | ○                       | ○                        |
|                       | B高圧注入ポンプ                               | ○              | ○                       | ○                        |

表15 バックアップできるパラメータリスト (5/5)

| 目的                     | 対象パラメータ                | SPS入力<br>パラメータ | ERSへ伝送<br>している<br>パラメータ | バックアップ<br>できる<br>対象パラメータ |
|------------------------|------------------------|----------------|-------------------------|--------------------------|
| 放射能レベルの<br>監視確認        | ECCSの状態<br>(高圧注入系)     |                |                         |                          |
|                        | A余熱除去ポンプ               | ○              | ○                       | ○                        |
| 監視の<br>情報確認            | B余熱除去ポンプ               | ○              | ○                       | ○                        |
|                        | 安全注入作動                 | ○              | ○                       | ○                        |
| 原子炉トリップ<br>状態          | 全制御棒全挿入                | ○              | ○                       | ○                        |
|                        | S/G新装<br>漏えい電流         | ○              | ○                       | ○                        |
| 原子炉格納容<br>器の水位         | 蒸気発生器ブローダウン水量モニタ       | ○              | ○                       | ○                        |
|                        | 低設代替低圧注水流量積算           | ○              | ○                       | ○                        |
| 格納容器<br>スプレイポン<br>プの状態 | C/W S系排水<br>保有水量       | ○              | ○                       | ○                        |
|                        | 原子炉格納容器排水サーージタンク<br>水位 | ○              | ○                       | ○                        |
| 格納容器<br>スプレイポン<br>プの状態 | ほうろくタンク<br>保有水量        | ○              | ○                       | ○                        |
|                        | Aほうろくタンク水位             | ○              | ○                       | ○                        |
|                        | Bほうろくタンク水位             | ○              | ○                       | ○                        |
|                        | 排水ピット<br>保有水量          | ○              | ○                       | ○                        |
| 格納容器<br>スプレイポン<br>プの状態 | 排水口の射撃量                | ○              | ○                       | ○                        |
|                        | 排水口モニタ                 | ○              | ○                       | ○                        |
|                        | A蒸気発生器主給水流量            | ○              | ○                       | ○                        |
|                        | B蒸気発生器主給水流量            | ○              | ○                       | ○                        |
| 格納容器<br>スプレイポン<br>プの状態 | C蒸気発生器主給水流量            | ○              | ○                       | ○                        |
|                        | D蒸気発生器主給水流量            | ○              | ○                       | ○                        |
|                        | A蒸気発生器補助給水流量           | ○              | ○                       | ○                        |
|                        | B蒸気発生器補助給水流量           | ○              | ○                       | ○                        |
| 格納容器<br>スプレイポン<br>プの状態 | C蒸気発生器補助給水流量           | ○              | ○                       | ○                        |
|                        | D蒸気発生器補助給水流量           | ○              | ○                       | ○                        |
|                        | A格納容器スプレイポンプ           | ○              | ○                       | ○                        |
|                        | B格納容器スプレイポンプ           | ○              | ○                       | ○                        |

女川原子力発電所2号炉

(3/10)

| 目的             | 対象パラメータ                         | SPS<br>パラメータ | ERS伝送<br>パラメータ | バック<br>アップ対象<br>パラメータ |
|----------------|---------------------------------|--------------|----------------|-----------------------|
| 中心制御の<br>状態確認  | D/G 2組 S/G新装投入                  | ○            | ○              | ○                     |
|                | HPC S D/G S/G新装投入               | ○            | ○              | ○                     |
|                | 蒸気発生器タンク水位                      | ○            | ○              | ○                     |
|                | 原子炉圧力監視装置 (高圧注入監視装置) (高圧注入監視装置) | ○            | ○              | ○                     |
|                | 原子炉圧力監視装置 (高圧注入監視装置) (高圧注入監視装置) | ○            | ○              | ○                     |
|                | 原子炉圧力監視装置 (高圧注入監視装置) (高圧注入監視装置) | ○            | ○              | ○                     |
|                | 原子炉圧力監視装置 (高圧注入監視装置) (高圧注入監視装置) | ○            | ○              | ○                     |
|                | 原子炉圧力監視装置 (高圧注入監視装置) (高圧注入監視装置) | ○            | ○              | ○                     |
|                | 原子炉圧力監視装置 (高圧注入監視装置) (高圧注入監視装置) | ○            | ○              | ○                     |
|                | 原子炉圧力監視装置 (高圧注入監視装置) (高圧注入監視装置) | ○            | ○              | ○                     |
| 格納容器内<br>の状態確認 | ドライウェル圧力 (広域)                   | ○            | ○              | ○                     |
|                | ドライウェル圧力                        | ○            | ○              | ○                     |
|                | 圧力制御能力 (積算)                     | ○            | ○              | ○                     |
|                | 圧力制御能力                          | ○            | ○              | ○                     |
|                | RPVコールドダウン監視装置 (積算)             | ○            | ○              | ○                     |
|                | 圧力制御能力 (BV)                     | ○            | ○              | ○                     |
|                | 圧力制御能力 (EV)                     | ○            | ○              | ○                     |
|                | 圧力制御能力 (GV)                     | ○            | ○              | ○                     |
|                | 圧力制御能力 (HV)                     | ○            | ○              | ○                     |
|                | 圧力制御能力 (IV)                     | ○            | ○              | ○                     |
| 格納容器内<br>の状態確認 | 圧力制御能力 (V)                      | ○            | ○              | ○                     |
|                | 圧力制御能力 (W)                      | ○            | ○              | ○                     |
|                | 圧力制御能力 (X)                      | ○            | ○              | ○                     |
|                | 圧力制御能力 (Y)                      | ○            | ○              | ○                     |
|                | 圧力制御能力 (Z)                      | ○            | ○              | ○                     |
|                | 圧力制御能力 (AA)                     | ○            | ○              | ○                     |
|                | 圧力制御能力 (AB)                     | ○            | ○              | ○                     |
|                | 圧力制御能力 (AC)                     | ○            | ○              | ○                     |
|                | 圧力制御能力 (AD)                     | ○            | ○              | ○                     |
|                | 圧力制御能力 (AE)                     | ○            | ○              | ○                     |

(4/10)

| 目的             | 対象パラメータ             | SPS<br>パラメータ | ERS伝送<br>パラメータ | バック<br>アップ対象<br>パラメータ |
|----------------|---------------------|--------------|----------------|-----------------------|
| 格納容器内<br>の状態確認 | サブプレッシャー (高圧)       | ○            | ○              | ○                     |
|                | CAMS主給水流量A (10~30%) | ○            | ○              | ○                     |
|                | CAMS主給水流量B (10~30%) | ○            | ○              | ○                     |
|                | CAMS主給水流量C (10~30%) | ○            | ○              | ○                     |
|                | CAMS主給水流量D (10~30%) | ○            | ○              | ○                     |
|                | CAMS主給水流量E (10~30%) | ○            | ○              | ○                     |
|                | CAMS主給水流量F (10~30%) | ○            | ○              | ○                     |
|                | CAMS主給水流量G (10~30%) | ○            | ○              | ○                     |
|                | CAMS主給水流量H (10~30%) | ○            | ○              | ○                     |
|                | CAMS主給水流量I (10~30%) | ○            | ○              | ○                     |
| 格納容器内<br>の状態確認 | 格納容器内水素濃度A (S/G)    | ○            | ○              | ○                     |
|                | 格納容器内水素濃度B (S/G)    | ○            | ○              | ○                     |
|                | 格納容器内水素濃度C (S/G)    | ○            | ○              | ○                     |
|                | 格納容器内水素濃度D (S/G)    | ○            | ○              | ○                     |
|                | 格納容器内水素濃度E (S/G)    | ○            | ○              | ○                     |
|                | 格納容器内水素濃度F (S/G)    | ○            | ○              | ○                     |
|                | 格納容器内水素濃度G (S/G)    | ○            | ○              | ○                     |
|                | 格納容器内水素濃度H (S/G)    | ○            | ○              | ○                     |
|                | 格納容器内水素濃度I (S/G)    | ○            | ○              | ○                     |
|                | 格納容器内水素濃度J (S/G)    | ○            | ○              | ○                     |
| 格納容器内<br>の状態確認 | 格納容器内水素濃度A (S/G)    | ○            | ○              | ○                     |
|                | 格納容器内水素濃度B (S/G)    | ○            | ○              | ○                     |
|                | 格納容器内水素濃度C (S/G)    | ○            | ○              | ○                     |
|                | 格納容器内水素濃度D (S/G)    | ○            | ○              | ○                     |
|                | 格納容器内水素濃度E (S/G)    | ○            | ○              | ○                     |
|                | 格納容器内水素濃度F (S/G)    | ○            | ○              | ○                     |
|                | 格納容器内水素濃度G (S/G)    | ○            | ○              | ○                     |
|                | 格納容器内水素濃度H (S/G)    | ○            | ○              | ○                     |
|                | 格納容器内水素濃度I (S/G)    | ○            | ○              | ○                     |
|                | 格納容器内水素濃度J (S/G)    | ○            | ○              | ○                     |

泊発電所3号炉

(3/5)

| 目的              | 対象パラメータ               | SPS<br>パラメータ | ERS伝送<br>パラメータ | バック<br>アップ対象<br>パラメータ |
|-----------------|-----------------------|--------------|----------------|-----------------------|
| 放射能レベルの<br>監視確認 | 原子炉格納容器<br>隔離の状態      | ○            | ○              | ○                     |
|                 | 格納容器圧力 (AM用)          | ○            | ○              | ○                     |
|                 | 格納容器内温度               | ○            | ○              | ○                     |
|                 | 格納容器内水素濃度             | ○            | ○              | ○                     |
|                 | 格納容器水位                | ○            | ○              | ○                     |
|                 | 原子炉下部キャビティ水位          | ○            | ○              | ○                     |
|                 | アニュウラス水素濃度 (可搬型)      | ○            | ○              | ○                     |
|                 | 格納容器内水素濃度 (広域)        | ○            | ○              | ○                     |
|                 | 格納容器内水素濃度 (狭域)        | ○            | ○              | ○                     |
|                 | 格納容器内水素濃度 (狭域)        | ○            | ○              | ○                     |
| 監視の<br>情報確認     | A-格納容器スプレイポンプ<br>出口流量 | ○            | ○              | ○                     |
|                 | B-格納容器スプレイポンプ<br>出口流量 | ○            | ○              | ○                     |
|                 | 代替格納容器スプレイポンプ<br>出口流量 | ○            | ○              | ○                     |
|                 | 格納容器スプレイポンプ<br>出口流量   | ○            | ○              | ○                     |
|                 | 格納容器スプレイポンプ<br>出口流量   | ○            | ○              | ○                     |
|                 | 格納容器スプレイポンプ<br>出口流量   | ○            | ○              | ○                     |
|                 | 格納容器スプレイポンプ<br>出口流量   | ○            | ○              | ○                     |
|                 | 格納容器スプレイポンプ<br>出口流量   | ○            | ○              | ○                     |
|                 | 格納容器スプレイポンプ<br>出口流量   | ○            | ○              | ○                     |
|                 | 格納容器スプレイポンプ<br>出口流量   | ○            | ○              | ○                     |
| 格納容器内<br>の状態確認  | 格納容器内水素濃度A (S/G)      | ○            | ○              | ○                     |
|                 | 格納容器内水素濃度B (S/G)      | ○            | ○              | ○                     |
|                 | 格納容器内水素濃度C (S/G)      | ○            | ○              | ○                     |
|                 | 格納容器内水素濃度D (S/G)      | ○            | ○              | ○                     |
|                 | 格納容器内水素濃度E (S/G)      | ○            | ○              | ○                     |
|                 | 格納容器内水素濃度F (S/G)      | ○            | ○              | ○                     |
|                 | 格納容器内水素濃度G (S/G)      | ○            | ○              | ○                     |
|                 | 格納容器内水素濃度H (S/G)      | ○            | ○              | ○                     |
|                 | 格納容器内水素濃度I (S/G)      | ○            | ○              | ○                     |
|                 | 格納容器内水素濃度J (S/G)      | ○            | ○              | ○                     |

【女川】PWR設計の反映  
 炉型の相違により設備  
 及び対象パラメータに  
 相違はあるが、データ表  
 示端末で表示する「目  
 的」は同等であり、緊急  
 時対策所で必要な情報  
 を把握できることに相  
 違はない。  
 【大飯】記載表現の相違  
 データ表示端末で表示  
 する「目的」及び対象パ  
 ラメータは同等であり、  
 データ表示端末の機能  
 に相違はない。

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

大飯発電所3/4号炉

女川原子力発電所2号炉

泊発電所3号炉

相違理由

(5/10)

| 目的                                | 対象パラメータ                           | PRC<br>パラメータ                      | PRC伝達<br>パラメータ | バックアップ<br>アップ対象<br>パラメータ |
|-----------------------------------|-----------------------------------|-----------------------------------|----------------|--------------------------|
| 制御室側の<br>仕様確認                     | 原子炉主配管流量 (燃料管側入口ノード下流(1)) (単位流量)  | ○                                 | ○              | ○                        |
|                                   | 原子炉主配管流量 (燃料管側入口ノード下流(2)) (単位流量)  | ○                                 | ○              | ○                        |
|                                   | 原子炉主配管流量 (燃料管側入口ノード下流(3)) (単位流量)  | ○                                 | ○              | ○                        |
|                                   | 原子炉主配管流量 (燃料管側入口ノード下流(4)) (単位流量)  | ○                                 | ○              | ○                        |
|                                   | 原子炉主配管流量 (燃料管側入口ノード下流(5)) (単位流量)  | ○                                 | ○              | ○                        |
|                                   | 原子炉主配管流量 (燃料管側入口ノード下流(6)) (単位流量)  | ○                                 | ○              | ○                        |
|                                   | 原子炉主配管流量 (燃料管側入口ノード下流(7)) (単位流量)  | ○                                 | ○              | ○                        |
|                                   | 原子炉主配管流量 (燃料管側入口ノード下流(8)) (単位流量)  | ○                                 | ○              | ○                        |
|                                   | 原子炉主配管流量 (燃料管側入口ノード下流(9)) (単位流量)  | ○                                 | ○              | ○                        |
|                                   | 原子炉主配管流量 (燃料管側入口ノード下流(10)) (単位流量) | ○                                 | ○              | ○                        |
|                                   | 原子炉主配管流量 (燃料管側入口ノード下流(11)) (単位流量) | ○                                 | ○              | ○                        |
|                                   | 原子炉主配管流量 (燃料管側入口ノード下流(12)) (単位流量) | ○                                 | ○              | ○                        |
|                                   | 原子炉主配管流量 (燃料管側入口ノード下流(13)) (単位流量) | ○                                 | ○              | ○                        |
|                                   | 原子炉主配管流量 (燃料管側入口ノード下流(14)) (単位流量) | ○                                 | ○              | ○                        |
|                                   | 原子炉主配管流量 (燃料管側入口ノード下流(15)) (単位流量) | ○                                 | ○              | ○                        |
|                                   | 原子炉主配管流量 (燃料管側入口ノード下流(16)) (単位流量) | ○                                 | ○              | ○                        |
|                                   | 原子炉主配管流量 (燃料管側入口ノード下流(17)) (単位流量) | ○                                 | ○              | ○                        |
|                                   | 原子炉主配管流量 (燃料管側入口ノード下流(18)) (単位流量) | ○                                 | ○              | ○                        |
|                                   | 原子炉主配管流量 (燃料管側入口ノード下流(19)) (単位流量) | ○                                 | ○              | ○                        |
|                                   | 制御室側の<br>仕様確認                     | 原子炉主配管流量 (燃料管側入口ノード下流(20)) (単位流量) | ○              | ○                        |
| 原子炉主配管流量 (燃料管側入口ノード下流(21)) (単位流量) |                                   | ○                                 | ○              | ○                        |
| 原子炉主配管流量 (燃料管側入口ノード下流(22)) (単位流量) |                                   | ○                                 | ○              | ○                        |
| 原子炉主配管流量 (燃料管側入口ノード下流(23)) (単位流量) |                                   | ○                                 | ○              | ○                        |
| 原子炉主配管流量 (燃料管側入口ノード下流(24)) (単位流量) |                                   | ○                                 | ○              | ○                        |
| 原子炉主配管流量 (燃料管側入口ノード下流(25)) (単位流量) |                                   | ○                                 | ○              | ○                        |
| 原子炉主配管流量 (燃料管側入口ノード下流(26)) (単位流量) |                                   | ○                                 | ○              | ○                        |
| 原子炉主配管流量 (燃料管側入口ノード下流(27)) (単位流量) |                                   | ○                                 | ○              | ○                        |
| 原子炉主配管流量 (燃料管側入口ノード下流(28)) (単位流量) |                                   | ○                                 | ○              | ○                        |
| 原子炉主配管流量 (燃料管側入口ノード下流(29)) (単位流量) |                                   | ○                                 | ○              | ○                        |
| 原子炉主配管流量 (燃料管側入口ノード下流(30)) (単位流量) | ○                                 | ○                                 | ○              |                          |

(6/10)

| 目的              | 対象パラメータ                  | PRC<br>パラメータ | PRC伝達<br>パラメータ | バックアップ<br>アップ対象<br>パラメータ |
|-----------------|--------------------------|--------------|----------------|--------------------------|
| 制御室側の<br>仕様確認   | FC1 3号炉監視                | ○            | ○              | ○                        |
|                 | FC1 3号炉監視                | ○            | ○              | ○                        |
|                 | M&I V (第1) 監視            | ○            | ○              | ○                        |
|                 | 主配管流量1監視# (A) 測          | ○            | ○              | ○                        |
|                 | 主配管流量1監視# (B) 測          | ○            | ○              | ○                        |
|                 | 主配管流量1監視# (C) 測          | ○            | ○              | ○                        |
|                 | 主配管流量1監視# (D) 測          | ○            | ○              | ○                        |
|                 | M&I V (第2) 監視            | ○            | ○              | ○                        |
|                 | 主配管流量2監視# (A) 測          | ○            | ○              | ○                        |
|                 | 主配管流量2監視# (B) 測          | ○            | ○              | ○                        |
| 主配管流量2監視# (C) 測 | ○                        | ○            | ○              |                          |
| 主配管流量2監視# (D) 測 | ○                        | ○            | ○              |                          |
| 監視の仕様<br>確認     | S.G.T.B. A 運転作           | ○            | ○              | ○                        |
|                 | S.G.T.B. B 運転作           | ○            | ○              | ○                        |
|                 | S.G.T. 3燃料管ヘッド (1) (C) A | ○            | ○              | ○                        |
|                 | S.G.T. 3燃料管ヘッド (1) (C) B | ○            | ○              | ○                        |
|                 | S.G.T. 3燃料管ヘッド (2) (A)   | ○            | ○              | ○                        |
|                 | S.G.T. 3燃料管ヘッド (2) (B)   | ○            | ○              | ○                        |
|                 | 原子炉監視内監視部 (1) (北)        | ○            | ○              | ○                        |
|                 | 原子炉監視内監視部 (1) (南)        | ○            | ○              | ○                        |
|                 | 原子炉監視内監視部 (2) (北)        | ○            | ○              | ○                        |
|                 | 原子炉監視内監視部 (2) (南)        | ○            | ○              | ○                        |
|                 | 原子炉監視内監視部 (3) (北)        | ○            | ○              | ○                        |
|                 | 原子炉監視内監視部 (3) (南)        | ○            | ○              | ○                        |
|                 | 原子炉監視内監視部 (4) (北)        | ○            | ○              | ○                        |
|                 | 原子炉監視内監視部 (4) (南)        | ○            | ○              | ○                        |
|                 | 原子炉監視内監視部 (5) (北)        | ○            | ○              | ○                        |
|                 | 原子炉監視内監視部 (5) (南)        | ○            | ○              | ○                        |
|                 | 原子炉監視内監視部 (6) (北)        | ○            | ○              | ○                        |
|                 | 原子炉監視内監視部 (6) (南)        | ○            | ○              | ○                        |
|                 | 原子炉監視内監視部 (7) (北)        | ○            | ○              | ○                        |
|                 | 原子炉監視内監視部 (7) (南)        | ○            | ○              | ○                        |

(4/5)

| 目的                 | 対象パラメータ            | PRC<br>パラメータ | PRC伝達<br>パラメータ | バックアップ<br>アップ対象<br>パラメータ |
|--------------------|--------------------|--------------|----------------|--------------------------|
| ECCSの状態等           | ECCSの状態 (高圧注入系)    | ○            | ○              | ○                        |
|                    | ECCSの状態 (低圧注入系)    | ○            | ○              | ○                        |
|                    | ECCSの状態 (高圧注入系)    | ○            | ○              | ○                        |
|                    | ECCSの状態 (低圧注入系)    | ○            | ○              | ○                        |
|                    | 格納容器スプレッドシステムの状態   | ○            | ○              | ○                        |
|                    | ECCSの状態            | ○            | ○              | ○                        |
|                    | 原子炉監視内監視部 (1) (北)  | ○            | ○              | ○                        |
|                    | 原子炉監視内監視部 (1) (南)  | ○            | ○              | ○                        |
|                    | 原子炉監視内監視部 (2) (北)  | ○            | ○              | ○                        |
|                    | 原子炉監視内監視部 (2) (南)  | ○            | ○              | ○                        |
| 使用済燃料ピレットの状態<br>確認 | 使用済燃料ピレット水位 (AM用)  | ○            | ○              | ○                        |
|                    | 使用済燃料ピレット水位 (AM用)  | ○            | ○              | ○                        |
|                    | 使用済燃料ピレット水位 (AM用)  | ○            | ○              | ○                        |
|                    | 使用済燃料ピレット水位 (AM用)  | ○            | ○              | ○                        |
|                    | 使用済燃料ピレット水位 (AM用)  | ○            | ○              | ○                        |
|                    | 使用済燃料ピレット水位 (AM用)  | ○            | ○              | ○                        |
|                    | 使用済燃料ピレット水位 (AM用)  | ○            | ○              | ○                        |
|                    | 使用済燃料ピレット水位 (AM用)  | ○            | ○              | ○                        |
|                    | 使用済燃料ピレット水位 (AM用)  | ○            | ○              | ○                        |
|                    | 使用済燃料ピレット水位 (AM用)  | ○            | ○              | ○                        |
| 監視の仕様確認            | モニタリングポスト1 C 観測機1  | ○            | ○              | ○                        |
|                    | モニタリングポスト1 C 観測機2  | ○            | ○              | ○                        |
|                    | モニタリングポスト1 C 観測機3  | ○            | ○              | ○                        |
|                    | モニタリングポスト1 C 観測機4  | ○            | ○              | ○                        |
|                    | モニタリングポスト1 C 観測機5  | ○            | ○              | ○                        |
|                    | モニタリングポスト1 C 観測機6  | ○            | ○              | ○                        |
|                    | モニタリングポスト1 C 観測機7  | ○            | ○              | ○                        |
|                    | モニタリングポスト1 C 観測機8  | ○            | ○              | ○                        |
|                    | モニタリングポスト1 C 観測機9  | ○            | ○              | ○                        |
|                    | モニタリングポスト1 C 観測機10 | ○            | ○              | ○                        |

【女川】PWR設計の反映炉型の相違により設備及び対象パラメータに相違はあるが、データ表示端末で表示する「目的」は同等であり、緊急時対策所で必要な情報を把握できることに相違はない。



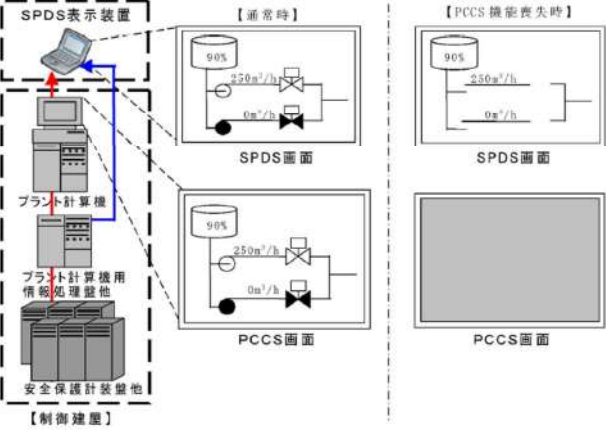
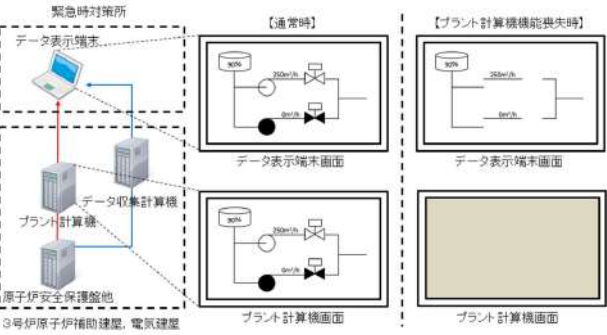




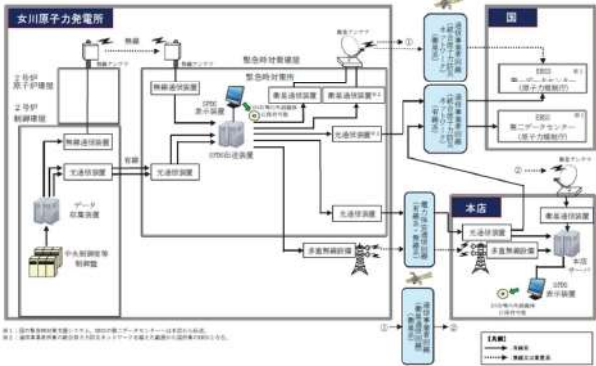
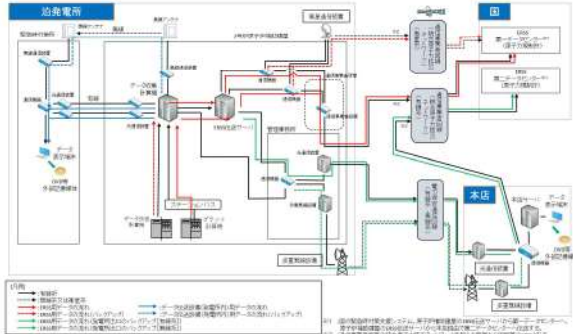
赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉      | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉     | 相違理由             |  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|---------------------|--|---------------|------------------|--|------------------|-----------------------|---------------------|------------------------|---|---|---|--------------------------------|--|--|--|------------------------|---|---|---|-------------------------|--|--|--|------------------------|---|---|---|--------------------------------------|---|---|---|------------------------|---|---|---|-------------------------|---|---|---|------------------------|---|---|---|---------------------------|---|---|---|---------------------------|-----------------------|---|---|---------------------------|-----------------------|---|---|---------------------------|----------------------|---|---|----------------------------|------------------------|---|---|----------------------------|------------------|---|---|----------------------------|------------------|---|---|----------------------------|------------------|---|---|---|-----------------|---|---|---|-----------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|-------------------|---|---|---|-------------------|---|---|---|--|--|
|                     | (9/10)   |               |                  |  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | <table border="1"> <thead> <tr> <th>目的</th> <th>対象パラメータ</th> <th>SP96<br/>パラメータ</th> <th>ERS5 伝送<br/>パラメータ</th> <th>バック<br/>アップ対象<br/>パラメータ</th> </tr> </thead> <tbody> <tr> <td rowspan="10">使用済燃料プールの貯蔵設備</td> <td>使用済燃料プール水位・温度（ヒートサーモ式）</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>〔使用済燃料プール温度（燃料ラケット上層-4,000mm）〕</td> <td></td> <td></td> <td></td> </tr> <tr> <td>使用済燃料プール水位・温度（ヒートサーモ式）</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>〔使用済燃料プール温度（プール透過付設）〕</td> <td></td> <td></td> <td></td> </tr> <tr> <td>使用済燃料プール水位/温度（ガイドパルス式）</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>〔使用済燃料プール水位（燃料ラケット上層-4300mm〜7300mm）〕</td> <td></td> <td></td> <td></td> </tr> <tr> <td>使用済燃料プール水位/温度（ガイドパルス式）</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>〔使用済燃料プール上部温度〕</td> <td></td> <td></td> <td></td> </tr> <tr> <td>使用済燃料プール水位/温度（ガイドパルス式）</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>〔使用済燃料プール下部温度〕</td> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="10">水素濃度による燃料貯蔵の腐蝕防止確認</td> <td>燃料プール上部空間燃料濃度モニタ（経線量）</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>燃料プール上部空間燃料濃度モニタ（層線量）</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>フィード装置出口水素濃度（0〜3.0%）</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>フィード装置出口水素濃度（0〜1.0.0%）</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>フィード装置水位（A）〔広帯域〕</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>フィード装置水位（B）〔広帯域〕</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>フィード装置水位（C）〔広帯域〕</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>フィード装置入口圧力〔広帯域〕</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>フィード装置出口圧力〔広帯域〕</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>フィード装置水温度（A）</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>フィード装置水温度（B）</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>フィード装置水温度（C）</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>フィード装置出口放射線モニタ（A）</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>フィード装置出口放射線モニタ（B）</td> <td>○</td> <td>-</td> <td>○</td> </tr> </tbody> </table> | 目的            | 対象パラメータ          | SP96<br>パラメータ  | ERS5 伝送<br>パラメータ | バック<br>アップ対象<br>パラメータ | 使用済燃料プールの貯蔵設備       | 使用済燃料プール水位・温度（ヒートサーモ式） | ○ | - | ○ | 〔使用済燃料プール温度（燃料ラケット上層-4,000mm）〕 |  |  |  | 使用済燃料プール水位・温度（ヒートサーモ式） | ○ | - | ○ | 〔使用済燃料プール温度（プール透過付設）〕   |  |  |  | 使用済燃料プール水位/温度（ガイドパルス式） | ○ | - | ○ | 〔使用済燃料プール水位（燃料ラケット上層-4300mm〜7300mm）〕 |   |   |   | 使用済燃料プール水位/温度（ガイドパルス式） | ○ | - | ○ | 〔使用済燃料プール上部温度〕          |   |   |   | 使用済燃料プール水位/温度（ガイドパルス式） | ○ | - | ○ | 〔使用済燃料プール下部温度〕            |   |   |   | 水素濃度による燃料貯蔵の腐蝕防止確認        | 燃料プール上部空間燃料濃度モニタ（経線量） | ○ | - | ○                         | 燃料プール上部空間燃料濃度モニタ（層線量） | ○ | - | ○                         | フィード装置出口水素濃度（0〜3.0%） | ○ | - | ○                          | フィード装置出口水素濃度（0〜1.0.0%） | ○ | - | ○                          | フィード装置水位（A）〔広帯域〕 | ○ | - | ○                          | フィード装置水位（B）〔広帯域〕 | ○ | - | ○                          | フィード装置水位（C）〔広帯域〕 | ○ | - | ○ | フィード装置入口圧力〔広帯域〕 | ○ | - | ○ | フィード装置出口圧力〔広帯域〕 | ○ | - | ○ | フィード装置水温度（A） | ○ | - | ○ | フィード装置水温度（B） | ○ | - | ○ | フィード装置水温度（C） | ○ | - | ○ | フィード装置出口放射線モニタ（A） | ○ | - | ○ | フィード装置出口放射線モニタ（B） | ○ | - | ○ |  |  |
| 目的                  | 対象パラメータ  | SP96<br>パラメータ | ERS5 伝送<br>パラメータ | バック<br>アップ対象<br>パラメータ  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
| 使用済燃料プールの貯蔵設備       | 使用済燃料プール水位・温度（ヒートサーモ式）   | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 〔使用済燃料プール温度（燃料ラケット上層-4,000mm）〕   |               |                  |  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 使用済燃料プール水位・温度（ヒートサーモ式）   | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 〔使用済燃料プール温度（プール透過付設）〕  |               |                  |  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 使用済燃料プール水位/温度（ガイドパルス式）   | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 〔使用済燃料プール水位（燃料ラケット上層-4300mm〜7300mm）〕   |               |                  |  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 使用済燃料プール水位/温度（ガイドパルス式）   | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 〔使用済燃料プール上部温度〕   |               |                  |  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 使用済燃料プール水位/温度（ガイドパルス式）   | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 〔使用済燃料プール下部温度〕   |               |                  |  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
| 水素濃度による燃料貯蔵の腐蝕防止確認  | 燃料プール上部空間燃料濃度モニタ（経線量）  | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 燃料プール上部空間燃料濃度モニタ（層線量）  | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | フィード装置出口水素濃度（0〜3.0%）   | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | フィード装置出口水素濃度（0〜1.0.0%）   | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | フィード装置水位（A）〔広帯域〕   | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | フィード装置水位（B）〔広帯域〕   | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | フィード装置水位（C）〔広帯域〕   | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | フィード装置入口圧力〔広帯域〕  | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | フィード装置出口圧力〔広帯域〕  | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | フィード装置水温度（A）   | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
| フィード装置水温度（B）        | ○  | -             | ○                |  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
| フィード装置水温度（C）        | ○  | -             | ○                |  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
| フィード装置出口放射線モニタ（A）   | ○  | -             | ○                |  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
| フィード装置出口放射線モニタ（B）   | ○  | -             | ○                |  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | (10/10)  |               |                  |  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | <table border="1"> <thead> <tr> <th>目的</th> <th>対象パラメータ</th> <th>SP96<br/>パラメータ</th> <th>ERS5 伝送<br/>パラメータ</th> <th>バック<br/>アップ対象<br/>パラメータ</th> </tr> </thead> <tbody> <tr> <td rowspan="19">水素濃度による原子炉建屋の腐蝕防止確認</td> <td>原子炉建屋内水素濃度</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>〔原子炉建屋オペレーティングフロア水素濃度A〕</td> <td></td> <td></td> <td></td> </tr> <tr> <td>原子炉建屋内水素濃度</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>〔原子炉建屋オペレーティングフロア水素濃度B〕</td> <td></td> <td></td> <td></td> </tr> <tr> <td>原子炉建屋内水素濃度（バルブラッピング室）</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>原子炉建屋内水素濃度（所員用エアロック前室）</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>原子炉建屋内水素濃度（C.R.D.種検査）</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>原子炉建屋内水素濃度（持戻パネトレーション室）</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>原子炉建屋内水素濃度（トラス室）</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>熱的熱媒式水素再結合装置 1 動作監視装置入口温度</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>熱的熱媒式水素再結合装置 1 動作監視装置出口温度</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>熱的熱媒式水素再結合装置 8 動作監視装置入口温度</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>熱的熱媒式水素再結合装置 8 動作監視装置出口温度</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>熱的熱媒式水素再結合装置 12 動作監視装置入口温度</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>熱的熱媒式水素再結合装置 12 動作監視装置出口温度</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>熱的熱媒式水素再結合装置 19 動作監視装置入口温度</td> <td>○</td> <td>-</td> <td>○</td> </tr> <tr> <td>熱的熱媒式水素再結合装置 19 動作監視装置出口温度</td> <td>○</td> <td>-</td> <td>○</td> </tr> </tbody> </table>   | 目的            | 対象パラメータ          | SP96<br>パラメータ  | ERS5 伝送<br>パラメータ | バック<br>アップ対象<br>パラメータ | 水素濃度による原子炉建屋の腐蝕防止確認 | 原子炉建屋内水素濃度             | ○ | - | ○ | 〔原子炉建屋オペレーティングフロア水素濃度A〕        |  |  |  | 原子炉建屋内水素濃度             | ○ | - | ○ | 〔原子炉建屋オペレーティングフロア水素濃度B〕 |  |  |  | 原子炉建屋内水素濃度（バルブラッピング室）  | ○ | - | ○ | 原子炉建屋内水素濃度（所員用エアロック前室）               | ○ | - | ○ | 原子炉建屋内水素濃度（C.R.D.種検査）  | ○ | - | ○ | 原子炉建屋内水素濃度（持戻パネトレーション室） | ○ | - | ○ | 原子炉建屋内水素濃度（トラス室）       | ○ | - | ○ | 熱的熱媒式水素再結合装置 1 動作監視装置入口温度 | ○ | - | ○ | 熱的熱媒式水素再結合装置 1 動作監視装置出口温度 | ○                     | - | ○ | 熱的熱媒式水素再結合装置 8 動作監視装置入口温度 | ○                     | - | ○ | 熱的熱媒式水素再結合装置 8 動作監視装置出口温度 | ○                    | - | ○ | 熱的熱媒式水素再結合装置 12 動作監視装置入口温度 | ○                      | - | ○ | 熱的熱媒式水素再結合装置 12 動作監視装置出口温度 | ○                | - | ○ | 熱的熱媒式水素再結合装置 19 動作監視装置入口温度 | ○                | - | ○ | 熱的熱媒式水素再結合装置 19 動作監視装置出口温度 | ○                | - | ○ |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
| 目的                  | 対象パラメータ  | SP96<br>パラメータ | ERS5 伝送<br>パラメータ | バック<br>アップ対象<br>パラメータ  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
| 水素濃度による原子炉建屋の腐蝕防止確認 | 原子炉建屋内水素濃度   | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 〔原子炉建屋オペレーティングフロア水素濃度A〕  |               |                  |  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 原子炉建屋内水素濃度   | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 〔原子炉建屋オペレーティングフロア水素濃度B〕  |               |                  |  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 原子炉建屋内水素濃度（バルブラッピング室）  | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 原子炉建屋内水素濃度（所員用エアロック前室）   | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 原子炉建屋内水素濃度（C.R.D.種検査）  | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 原子炉建屋内水素濃度（持戻パネトレーション室）  | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 原子炉建屋内水素濃度（トラス室）   | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 熱的熱媒式水素再結合装置 1 動作監視装置入口温度  | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 熱的熱媒式水素再結合装置 1 動作監視装置出口温度  | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 熱的熱媒式水素再結合装置 8 動作監視装置入口温度  | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 熱的熱媒式水素再結合装置 8 動作監視装置出口温度  | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 熱的熱媒式水素再結合装置 12 動作監視装置入口温度   | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 熱的熱媒式水素再結合装置 12 動作監視装置出口温度   | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 熱的熱媒式水素再結合装置 19 動作監視装置入口温度   | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     | 熱的熱媒式水素再結合装置 19 動作監視装置出口温度   | ○             | -                | ○  |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |
|                     |  |               |                  | 【女川】PWR 設計の反映炉型の相違により設備及び対象パラメータに相違はあるが、データ表示端末で表示する「目的」は同等であり、緊急時対策所で必要な情報を把握できることに相違はない。 |                  |                       |                     |                        |   |   |   |                                |  |  |  |                        |   |   |   |                         |  |  |  |                        |   |   |   |                                      |   |   |   |                        |   |   |   |                         |   |   |   |                        |   |   |   |                           |   |   |   |                           |                       |   |   |                           |                       |   |   |                           |                      |   |   |                            |                        |   |   |                            |                  |   |   |                            |                  |   |   |                            |                  |   |   |   |                 |   |   |   |                 |   |   |   |              |   |   |   |              |   |   |   |              |   |   |   |                   |   |   |   |                   |   |   |   |  |  |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3/4号炉  | 女川原子力発電所2号炉        | 泊発電所3号炉  | 相違理由   |
|---|--------------------|--|--|
| <p>なお、弁の開閉状態やポンプの起動状態の監視の考え方は以下のとおり。</p> <p>&lt;弁の開閉状態やポンプの起動状態の監視の考え方&gt;</p> <p>通常、弁の開閉やポンプの動作などの系統状態は、中央制御室の原子炉盤やプラント計算機などで監視している。SPDSはプラント計算機と通信回線により接続されているため、中央制御室外でも弁の開閉状態やポンプの起動状態などを把握することができる。</p> <p>また、プラント計算機の機能喪失に備えて、重要なパラメータについては、SPDSに直接入力できる伝送ラインの構築をしており、これらのパラメータを監視することで、系統の動作状態を把握することができ、更に、必要に応じて現場確認等を行うことで、弁の開閉状態やポンプの起動状態を確認または推定できる。</p> <p>PCCS機能喪失時の監視画面の概要を図7に示す。</p>  <p>図7 PCCS機能喪失時の監視画面の概要図</p> | <p>女川原子力発電所2号炉</p> | <p>なお、弁の開閉状態やポンプの起動状態の監視の考え方は以下のとおり。</p> <p>&lt;弁の開閉状態やポンプの起動状態の監視の考え方&gt;</p> <p>通常、弁の開閉やポンプの動作などの系統状態は、中央制御室のプラント計算機などで監視している。データ収集計算機はプラント計算機と通信回線により接続されているため、中央制御室外でも弁の開閉状態やポンプの起動状態などを把握することができる。</p> <p>また、プラント計算機の機能喪失に備えて、重要なパラメータについては、データ収集計算機に直接入力できる伝送ラインの構築をしており、これらのパラメータを監視することで、系統の動作状態を把握することができ、更に、必要に応じて現場確認等を行うことで、弁の開閉状態やポンプの起動状態を確認又は推定できる。</p> <p>プラント計算機機能喪失時の監視画面の概要を参考第6-2図に示す。</p>  <p>参考第6-2図 プラント計算機機能喪失時の監視画面の概要図</p> | <p>【女川】記載方針の相違<br/>             ・記載の充実（大飯参照）</p> <p>【大飯】記載表現の相違<br/>             ・名称の相違<br/>             大飯：SPDS<br/>             泊：データ収集計算機</p> <p>【大飯】記載表現の相違<br/>             ・名称の相違<br/>             大飯：SPDS<br/>             泊：データ収集計算機</p> <p>【大飯】記載表現の相違<br/>             ・名称の相違<br/>             大飯：PCCS<br/>             泊：プラント計算機</p> <p>【大飯】記載表現の相違<br/>             ・名称の相違<br/>             大飯：PCCS<br/>             泊：プラント計算機</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉   | 相違理由  |
|----------------|--|---|---|
|                | <p>参考 7 過去のプラントパラメータ閲覧について</p> <p>SPDS 伝送装置に収集されるプラントパラメータ（SPDS パラメータ）は SPDS 伝送装置で 2 週間分（1 分周期）のデータを保存（自動収集）できる設計とする。</p> <p>SPDS 伝送装置に保存されたデータについては、緊急時対策所の SPDS 表示装置又は SPDS 伝送装置及び本店に設置している SPDS 表示装置から DVD 等の外部記憶媒体へ保存できる設計とする。</p> <p>重大事故等が発生した場合には、緊急時対策所において、プラントパラメータ（SPDS パラメータ）を DVD 等の外部記憶媒体へ保存し保管する手順を整備する。これにより、SPDS 表示装置にて外部記憶媒体に保存されたプラントパラメータ（SPDS パラメータ）の過去のデータを閲覧することができる設計とする。</p> <p>また、SPDS 表示装置にてプラントパラメータ（SPDS パラメータ）の監視も可能な設計とする。</p> <p>概要を参考第 7.1-1 図に示す。</p>  <p>参考第 7.1-1 図 過去のプラントパラメータ閲覧の概要</p> | <p>参考 7 過去のプラントパラメータ閲覧について</p> <p>データ収集計算機に収集されるプラントパラメータ（SPDS パラメータ）はデータ収集計算機で 2 週間分（1 分周期）のデータを保存（自動収集）できる設計とする。</p> <p>データ収集計算機に保存されたデータについては、緊急時対策所のデータ表示端末及び本店に設置しているデータ表示端末から DVD 等の外部記憶媒体へ保存できる設計とする。</p> <p>重大事故等が発生した場合には、緊急時対策所において、プラントパラメータ（SPDS パラメータ）を DVD 等の外部記憶媒体へ保存し保管する手順を整備する。これにより、データ表示端末にて外部記憶媒体に保存されたプラントパラメータ（SPDS パラメータ）の過去のデータを閲覧することができる設計とする。</p> <p>また、データ表示端末にてプラントパラメータ（SPDS パラメータ）の監視も可能な設計とする。</p> <p>概要を参考第 7-1 図に示す。</p>  <p>参考第 7-1 図 過去のプラントパラメータ閲覧の概要</p> | <p>【女川】設計方針の相違<br/>                 ・2-2⑩記載のとおり。</p> <p>【女川】設計方針の相違<br/>                 ・2-2⑩記載のとおり。</p> |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3 / 4号炉   | 女川原子力発電所2号炉  | 泊発電所3号炉   | 相違理由   |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |
|--|--|---|--|-------|---------------------------|-------------|---|---------|---------|--|---------|--|---|--------------------|----------|---|---------|--|---|--------|--|---|---|------|------|------|-------|-------------|---|-------------|--|------|-------------|--|-------------|--|------|-------------------------|---|-----------|--|--|----|------|------|-------|--------|---|--|--------|-------------|--|------|-------------------------|-----------------------------|---|
| <p>【比較のため順番を変更して記載】</p> <p><b>参考9. 緊急時対策所の通信連絡設備の耐震性</b></p> <p>緊急時対策所指揮所及び緊急時対策所待機場所に設置する通信連絡設備（通信設備（発電所内）及び通信設備（発電所外））については、基準地震動<math>S_s</math>による地震力に対し、機能を維持できるように表18、19に記載する措置を講じる。</p>   | <p>参考8 緊急時対策所の通信連絡設備に係る耐震措置について</p> <p>緊急時対策所内に設置又は保管する通信連絡設備は、転倒防止措置等を施す設計とする。さらに、緊急時対策所内に設置又は保管する重大事故等対処設備は、転倒防止措置等を施すとともに加振試験等により基準地震動<math>S_s</math>による地震力に対して機能を喪失しない設計とする。</p> <p>緊急時対策所へ事故状態等の把握に必要なデータを伝送するための安全パラメータ表示システム（SPDS）及び緊急時対策所内におけるデータ伝送設備については、転倒防止措置等を施すとともに加振試験等により、基準地震動<math>S_s</math>による地震力に対して機能を喪失しない設計とする。</p> <p>また、建屋間の伝送ルートは、無線系回線により基準地震動<math>S_s</math>による地震力に対する耐震性を確保する設計とし、有線系回線については可とう性を有するとともに、余長を確保することにより、地震力による影響を低減する設計とする。</p> <p>緊急時対策所の通信連絡機能に係る設備のうち重大事故等対処設備の耐震措置について、参考第8.1-1表に示す。</p> <p>また、安全パラメータ表示システム（SPDS）及びデータ伝送設備の耐震措置について、参考第8.1-2表に示す。</p> | <p>参考8 緊急時対策所の通信連絡設備に係る耐震措置について</p> <p>緊急時対策所内に設置又は保管する通信連絡設備は、転倒防止措置等を施す設計とする。さらに、緊急時対策所内に設置又は保管する重大事故等対処設備は、転倒防止措置等を施すとともに加振試験等により基準地震動による地震力に対して機能を喪失しない設計とする。</p> <p>緊急時対策所へ事故状態等の把握に必要なデータを伝送するためのデータ伝送設備（発電所内）及びデータ伝送設備（発電所外）については、転倒防止措置等を施すとともに加振試験等により、基準地震動による地震力に対して機能を喪失しない設計とする。</p> <p>また、建屋間の伝送ルートは、無線系回線により基準地震動による地震力に対する耐震性を確保する設計とし、有線系回線については可とう性を有するとともに、余長を確保することにより、地震力による影響を低減する設計とする。</p> <p>緊急時対策所の通信連絡機能に係る設備のうち重大事故等対処設備の耐震措置について、参考第8-1表に示す。</p> <p>また、データ伝送設備（発電所内）及びデータ伝送設備（発電所外）の耐震措置について、参考第8-2表に示す。</p> | <p>SAに係る内容（当ページ）</p> <p>【大飯】記載方針の相違（女川審査実績の反映）</p> <ul style="list-style-type: none"> <li>・泊の参考8に大飯の参考8及び参考9の内容を記載</li> <li>【女川】設計方針の相違・2-2④記載のとおり、女川はデータ伝送設備を緊急時対策所内に設置しているが、泊はERSS伝送サーバを原子炉補助建屋に設置している。</li> </ul> |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |
| <p>表18 緊急時対策所の通信設備（発電所内）耐震措置一覧</p>   | <p>参考第8.1-1表 緊急時対策所の通信連絡設備（発電所内）、通信連絡設備（発電所外）に係る耐震措置</p>   | <p>参考第8-1表 緊急時対策所の通信連絡設備（発電所内）、通信連絡設備（発電所外）に係る耐震措置</p>  | <p>【大飯】記載方針の相違（女川審査実績の反映）</p> <ul style="list-style-type: none"> <li>・大飯では通信連絡に係る設備の耐震性に関する記載を参考9、データ通信に係る設備の耐震性に関する記載を参考8に分割して記載している</li> <li>・大飯では通信連絡設備（発電所内）通信連絡設備（発電所外）を別表として構成している。</li> </ul>                 |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |
| <table border="1"> <thead> <tr> <th>場所</th> <th>主要設備</th> <th>耐震措置</th> </tr> </thead> <tbody> <tr> <td rowspan="6">発電所内用</td> <td>電力保安通信用電話設備<sup>1)</sup></td> <td>保安電話（固定、携帯）</td> <td>・緊急時対策所指揮所及び緊急時対策所待機場所に設置する保安電話は、設置する机等の転倒防止及び、通信端末の落下防止の措置を施す。</td> </tr> <tr> <td>携行型通話装置</td> <td>携行型通話装置</td> <td>・緊急時対策所指揮所及び緊急時対策所待機場所に設置する通話装置は、強固な収納ケースに収容する等の措置を施す。</td> </tr> <tr> <td>トランシーバー</td> <td></td> <td>・緊急時対策所指揮所に設置するトランシーバーは、強固な収納ケースに収容する等の措置を施す。</td> </tr> <tr> <td>衛星電話<sup>1)</sup></td> <td>固定<br/>携帯</td> <td>・緊急時対策所指揮所に設置する衛星電話（固定）は、設置する机等の転倒防止及び通信端末の落下防止の措置を施す。また、故障等に備え予備品を保有し、取替えの予備を整備する。<br/>・衛星電話（携帯）は、強固な収納ケースに収容する等の措置を施す。</td> </tr> <tr> <td>インターフォン</td> <td></td> <td>・緊急時対策所指揮所及び緊急時対策所待機場所に設置するインターフォンは、強固な収納ケースに収容する等の措置を施す。</td> </tr> <tr> <td>無線通話装置</td> <td></td> <td>・緊急時対策所指揮所に設置する通話装置は、設置する机等の転倒防止及び落下防止の措置を施す。</td> </tr> </tbody> </table> <p>注1：発電所外用と共通。</p> | 場所   | 主要設備  | 耐震措置   | 発電所内用 | 電力保安通信用電話設備 <sup>1)</sup> | 保安電話（固定、携帯） | ・緊急時対策所指揮所及び緊急時対策所待機場所に設置する保安電話は、設置する机等の転倒防止及び、通信端末の落下防止の措置を施す。 | 携行型通話装置 | 携行型通話装置 | ・緊急時対策所指揮所及び緊急時対策所待機場所に設置する通話装置は、強固な収納ケースに収容する等の措置を施す。 | トランシーバー |  | ・緊急時対策所指揮所に設置するトランシーバーは、強固な収納ケースに収容する等の措置を施す。 | 衛星電話 <sup>1)</sup> | 固定<br>携帯 | ・緊急時対策所指揮所に設置する衛星電話（固定）は、設置する机等の転倒防止及び通信端末の落下防止の措置を施す。また、故障等に備え予備品を保有し、取替えの予備を整備する。<br>・衛星電話（携帯）は、強固な収納ケースに収容する等の措置を施す。 | インターフォン |  | ・緊急時対策所指揮所及び緊急時対策所待機場所に設置するインターフォンは、強固な収納ケースに収容する等の措置を施す。 | 無線通話装置 |  | ・緊急時対策所指揮所に設置する通話装置は、設置する机等の転倒防止及び落下防止の措置を施す。 | <table border="1"> <thead> <tr> <th>通信種別</th> <th>主要設備</th> <th>耐震措置</th> </tr> </thead> <tbody> <tr> <td rowspan="2">発電所内外</td> <td>衛星電話設備（固定型）</td> <td>・衛星電話設備（固定型）の衛星電話設備用アンテナ、機本装置は、耐震性を有する緊急時対策所待機場所に設置し、転倒防止措置等を施すとともに、加振試験等により基準地震動による地震力に対して機能を喪失しないことを確認する。</td> </tr> <tr> <td>衛星電話設備（携帯型）</td> <td>・衛星電話設備（携帯型）の機本装置から衛星電話設備用アンテナまでのケーブルは、耐震性を有する電線管等に敷設する。</td> </tr> <tr> <td rowspan="2">発電所内</td> <td>無線連絡設備（固定型）</td> <td>・衛星電話設備（携帯型）は、耐震性を有する緊急時対策所待機場所に設置し、転倒防止措置等を施すとともに、加振試験等により基準地震動による地震力に対して機能を喪失しないことを確認する。</td> </tr> <tr> <td>無線連絡設備（携帯型）</td> <td>・無線連絡設備（固定型）の機本装置から無線連絡設備用アンテナまでのケーブルは、耐震性を有する電線管等に敷設する。</td> </tr> <tr> <td rowspan="2">発電所外</td> <td>複合原子力防災ネットワークを用いた通信連絡設備</td> <td>・無線連絡設備（携帯型）は、耐震性を有する緊急時対策所待機場所に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能を喪失しないことを確認する。</td> </tr> <tr> <td>テレビ会議システム</td> <td>・複合原子力防災ネットワークを用いた通信連絡設備（テレビ会議システム、IP電話、IP-FAX及び通信装置）は、耐震性を有する緊急時対策所内に設置し、転倒防止措置等を施すとともに、加振試験等により基準地震動による地震力に対して機能を喪失しないことを確認する。</td> </tr> </tbody> </table> | 通信種別 | 主要設備 | 耐震措置 | 発電所内外 | 衛星電話設備（固定型） | ・衛星電話設備（固定型）の衛星電話設備用アンテナ、機本装置は、耐震性を有する緊急時対策所待機場所に設置し、転倒防止措置等を施すとともに、加振試験等により基準地震動による地震力に対して機能を喪失しないことを確認する。 | 衛星電話設備（携帯型） | ・衛星電話設備（携帯型）の機本装置から衛星電話設備用アンテナまでのケーブルは、耐震性を有する電線管等に敷設する。 | 発電所内 | 無線連絡設備（固定型） | ・衛星電話設備（携帯型）は、耐震性を有する緊急時対策所待機場所に設置し、転倒防止措置等を施すとともに、加振試験等により基準地震動による地震力に対して機能を喪失しないことを確認する。 | 無線連絡設備（携帯型） | ・無線連絡設備（固定型）の機本装置から無線連絡設備用アンテナまでのケーブルは、耐震性を有する電線管等に敷設する。 | 発電所外 | 複合原子力防災ネットワークを用いた通信連絡設備 | ・無線連絡設備（携帯型）は、耐震性を有する緊急時対策所待機場所に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能を喪失しないことを確認する。 | テレビ会議システム | ・複合原子力防災ネットワークを用いた通信連絡設備（テレビ会議システム、IP電話、IP-FAX及び通信装置）は、耐震性を有する緊急時対策所内に設置し、転倒防止措置等を施すとともに、加振試験等により基準地震動による地震力に対して機能を喪失しないことを確認する。 | <table border="1"> <thead> <tr> <th>場所</th> <th>主要設備</th> <th>耐震措置</th> </tr> </thead> <tbody> <tr> <td rowspan="2">発電所内外</td> <td>衛星電話設備</td> <td>衛星電話設備（固定型）<br/>衛星電話設備（携帯型）<br/>衛星電話設備（携帯型）</td> <td>・衛星電話設備（固定型）及び衛星電話設備（携帯型）の衛星電話設備用アンテナ、機本装置は、耐震性を有する緊急時対策所内に設置し、転倒防止措置等を施すとともに、加振試験等により基準地震動による地震力に対して機能を喪失しないことを確認する。<br/>・衛星電話設備（固定型）及び衛星電話設備（携帯型）の機本装置から衛星電話設備用アンテナまでのケーブルは、耐震性を有する電線管等に敷設する。</td> </tr> <tr> <td>無線連絡設備</td> <td>無線連絡設備（携帯型）</td> <td>・衛星電話設備（携帯型）は、耐震性を有する緊急時対策所内に設置する個々の収納ラックに保管する措置を施す。</td> </tr> <tr> <td rowspan="3">発電所外</td> <td>複合原子力防災ネットワークを用いた通信連絡設備</td> <td>IP電話<br/>IP-FAX<br/>テレビ会議システム</td> <td>・複合原子力防災ネットワークを用いた通信連絡設備（テレビ会議システム、IP電話、IP-FAX及び通信装置）は耐震性を有する原子炉補助建屋及び緊急時対策所内に設置し、転倒防止の措置を施すと共に、加振試験等により基準地震動による地震力に対して機能を喪失しないことを確認する。</td> </tr> </tbody> </table> | 場所 | 主要設備 | 耐震措置 | 発電所内外 | 衛星電話設備 | 衛星電話設備（固定型）<br>衛星電話設備（携帯型）<br>衛星電話設備（携帯型） | ・衛星電話設備（固定型）及び衛星電話設備（携帯型）の衛星電話設備用アンテナ、機本装置は、耐震性を有する緊急時対策所内に設置し、転倒防止措置等を施すとともに、加振試験等により基準地震動による地震力に対して機能を喪失しないことを確認する。<br>・衛星電話設備（固定型）及び衛星電話設備（携帯型）の機本装置から衛星電話設備用アンテナまでのケーブルは、耐震性を有する電線管等に敷設する。 | 無線連絡設備 | 無線連絡設備（携帯型） | ・衛星電話設備（携帯型）は、耐震性を有する緊急時対策所内に設置する個々の収納ラックに保管する措置を施す。 | 発電所外 | 複合原子力防災ネットワークを用いた通信連絡設備 | IP電話<br>IP-FAX<br>テレビ会議システム | ・複合原子力防災ネットワークを用いた通信連絡設備（テレビ会議システム、IP電話、IP-FAX及び通信装置）は耐震性を有する原子炉補助建屋及び緊急時対策所内に設置し、転倒防止の措置を施すと共に、加振試験等により基準地震動による地震力に対して機能を喪失しないことを確認する。 |
| 場所   | 主要設備   | 耐震措置  |  |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |
| 発電所内用  | 電力保安通信用電話設備 <sup>1)</sup>  | 保安電話（固定、携帯）   | ・緊急時対策所指揮所及び緊急時対策所待機場所に設置する保安電話は、設置する机等の転倒防止及び、通信端末の落下防止の措置を施す。  |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |
|  | 携行型通話装置  | 携行型通話装置   | ・緊急時対策所指揮所及び緊急時対策所待機場所に設置する通話装置は、強固な収納ケースに収容する等の措置を施す。   |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |
|  | トランシーバー  |   | ・緊急時対策所指揮所に設置するトランシーバーは、強固な収納ケースに収容する等の措置を施す。  |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |
|  | 衛星電話 <sup>1)</sup>   | 固定<br>携帯  | ・緊急時対策所指揮所に設置する衛星電話（固定）は、設置する机等の転倒防止及び通信端末の落下防止の措置を施す。また、故障等に備え予備品を保有し、取替えの予備を整備する。<br>・衛星電話（携帯）は、強固な収納ケースに収容する等の措置を施す。  |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |
|  | インターフォン  |   | ・緊急時対策所指揮所及び緊急時対策所待機場所に設置するインターフォンは、強固な収納ケースに収容する等の措置を施す。  |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |
|  | 無線通話装置   |   | ・緊急時対策所指揮所に設置する通話装置は、設置する机等の転倒防止及び落下防止の措置を施す。  |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |
| 通信種別   | 主要設備   | 耐震措置  |  |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |
| 発電所内外  | 衛星電話設備（固定型）  | ・衛星電話設備（固定型）の衛星電話設備用アンテナ、機本装置は、耐震性を有する緊急時対策所待機場所に設置し、転倒防止措置等を施すとともに、加振試験等により基準地震動による地震力に対して機能を喪失しないことを確認する。   |  |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |
|  | 衛星電話設備（携帯型）  | ・衛星電話設備（携帯型）の機本装置から衛星電話設備用アンテナまでのケーブルは、耐震性を有する電線管等に敷設する。  |  |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |
| 発電所内   | 無線連絡設備（固定型）  | ・衛星電話設備（携帯型）は、耐震性を有する緊急時対策所待機場所に設置し、転倒防止措置等を施すとともに、加振試験等により基準地震動による地震力に対して機能を喪失しないことを確認する。  |  |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |
|  | 無線連絡設備（携帯型）  | ・無線連絡設備（固定型）の機本装置から無線連絡設備用アンテナまでのケーブルは、耐震性を有する電線管等に敷設する。  |  |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |
| 発電所外   | 複合原子力防災ネットワークを用いた通信連絡設備  | ・無線連絡設備（携帯型）は、耐震性を有する緊急時対策所待機場所に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能を喪失しないことを確認する。   |  |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |
|  | テレビ会議システム  | ・複合原子力防災ネットワークを用いた通信連絡設備（テレビ会議システム、IP電話、IP-FAX及び通信装置）は、耐震性を有する緊急時対策所内に設置し、転倒防止措置等を施すとともに、加振試験等により基準地震動による地震力に対して機能を喪失しないことを確認する。  |  |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |
| 場所   | 主要設備   | 耐震措置  |  |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |
| 発電所内外  | 衛星電話設備   | 衛星電話設備（固定型）<br>衛星電話設備（携帯型）<br>衛星電話設備（携帯型）   | ・衛星電話設備（固定型）及び衛星電話設備（携帯型）の衛星電話設備用アンテナ、機本装置は、耐震性を有する緊急時対策所内に設置し、転倒防止措置等を施すとともに、加振試験等により基準地震動による地震力に対して機能を喪失しないことを確認する。<br>・衛星電話設備（固定型）及び衛星電話設備（携帯型）の機本装置から衛星電話設備用アンテナまでのケーブルは、耐震性を有する電線管等に敷設する。                       |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |
|  | 無線連絡設備   | 無線連絡設備（携帯型）   | ・衛星電話設備（携帯型）は、耐震性を有する緊急時対策所内に設置する個々の収納ラックに保管する措置を施す。   |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |
| 発電所外   | 複合原子力防災ネットワークを用いた通信連絡設備  | IP電話<br>IP-FAX<br>テレビ会議システム   | ・複合原子力防災ネットワークを用いた通信連絡設備（テレビ会議システム、IP電話、IP-FAX及び通信装置）は耐震性を有する原子炉補助建屋及び緊急時対策所内に設置し、転倒防止の措置を施すと共に、加振試験等により基準地震動による地震力に対して機能を喪失しないことを確認する。  |       |                           |             |   |         |         |  |         |  |   |                    |          |   |         |  |   |        |  |   |   |      |      |      |       |             |   |             |  |      |             |  |             |  |      |                         |   |           |  |  |    |      |      |       |        |   |  |        |             |  |      |                         |                             |   |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3 / 4号炉   |                          | 女川原子力発電所2号炉  |  | 泊発電所3号炉 |  | 相違理由 |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
|--|--------------------------|--|--|---------|--|------|----|------|------|---------|----------------------|--|----------|--|---|---|---|--|---|----------|---|--|----------|--|--|--|---|--|----------|--|------|--|--------|---|-------------|--|--|--------|--|--|
| <p><b>表19 緊急時対策所の通信設備（発電所外）耐震措置一覧</b></p> <table border="1"> <thead> <tr> <th>種別</th> <th>主要設備</th> <th>耐震措置</th> </tr> </thead> <tbody> <tr> <td rowspan="10">発電所外用</td> <td>加入電話</td> <td> <ul style="list-style-type: none"> <li>緊急時対策所指揮所に設置する通信端末は、設置する机等の転倒防止及び落下防止の措置を施す。</li> <li>緊急時対策所指揮所に設置する複重電話(固定)は、設置する机等の転倒防止及び落下防止の措置を施す。また、故障等に備え予備品を備え、取替えの手続きを確保する。</li> <li>簡易電話(携帯)は、強固な収納ケースに収納する等の措置を施す。</li> </ul> </td> </tr> <tr> <td>伝真電話※1</td> <td>固定機</td> <td> <ul style="list-style-type: none"> <li>緊急時対策所指揮所に設置する通信端末は、設置する机等の転倒防止及び落下防止の措置を施す。</li> </ul> </td> </tr> <tr> <td>電力保安通信用電話設備※2</td> <td>保安電話(固定、携帯)</td> <td> <ul style="list-style-type: none"> <li>緊急時対策所指揮所に設置する通信端末は、設置する机等の転倒防止及び落下防止の措置を施す。</li> </ul> </td> </tr> <tr> <td>加入ファクシミリ</td> <td></td> <td>同上</td> </tr> <tr> <td>伝真電話(可搬)</td> <td></td> <td> <ul style="list-style-type: none"> <li>強固な収納ケースに収納し保管する。</li> </ul> </td> </tr> <tr> <td>社内TV会議システム</td> <td></td> <td> <ul style="list-style-type: none"> <li>TV会議システムについては、転倒防止の措置を施す。</li> </ul> </td> </tr> <tr> <td rowspan="3">統合原子力防災ネットワークに接続する通信連絡設備</td> <td>TV会議システム</td> <td> <ul style="list-style-type: none"> <li>通信機器を設置するラックは、耐震性を有する原子力発電所敷地内の緊急時対策所指揮所に設置し転倒防止の措置を施すと共に、内蔵する通信機器は固縛等を施す。また、故障等に備え予備品を保有する。</li> </ul> </td> </tr> <tr> <td>IP電話</td> <td> <ul style="list-style-type: none"> <li>緊急時対策所指揮所に設置するIP電話は、設置する机等の転倒防止及び落下防止の措置を施す。</li> </ul> </td> </tr> <tr> <td>IP-FAX</td> <td> <ul style="list-style-type: none"> <li>TV会議システム及びIP-FAXについては、転倒防止の措置を施す。</li> <li>TV会議システム、IP-FAX及びIP-FAX電話は、故障時に備え予備品を確保し、取替えの手続きを確保する。</li> </ul> </td> </tr> <tr> <td>緊急時衛星通報システム</td> <td></td> <td> <ul style="list-style-type: none"> <li>緊急時対策所指揮所に設置する通信端末は、設置する机等の転倒防止及び落下防止の措置を施す。</li> </ul> </td> </tr> <tr> <td>無線通話装置</td> <td></td> <td> <ul style="list-style-type: none"> <li>緊急時対策所指揮所に設置する通信端末は、設置する机等の転倒防止及び落下防止の措置を施す。</li> </ul> </td> </tr> </tbody> </table> <p>※1：兼電機内用と共用。</p> |                          |  |  |         |  |      | 種別 | 主要設備 | 耐震措置 | 発電所外用   | 加入電話                 | <ul style="list-style-type: none"> <li>緊急時対策所指揮所に設置する通信端末は、設置する机等の転倒防止及び落下防止の措置を施す。</li> <li>緊急時対策所指揮所に設置する複重電話(固定)は、設置する机等の転倒防止及び落下防止の措置を施す。また、故障等に備え予備品を備え、取替えの手続きを確保する。</li> <li>簡易電話(携帯)は、強固な収納ケースに収納する等の措置を施す。</li> </ul>   | 伝真電話※1   | 固定機  | <ul style="list-style-type: none"> <li>緊急時対策所指揮所に設置する通信端末は、設置する机等の転倒防止及び落下防止の措置を施す。</li> </ul>  | 電力保安通信用電話設備※2   | 保安電話(固定、携帯)   | <ul style="list-style-type: none"> <li>緊急時対策所指揮所に設置する通信端末は、設置する机等の転倒防止及び落下防止の措置を施す。</li> </ul>   | 加入ファクシミリ  |          | 同上  | 伝真電話(可搬)   |          | <ul style="list-style-type: none"> <li>強固な収納ケースに収納し保管する。</li> </ul>  | 社内TV会議システム   |  | <ul style="list-style-type: none"> <li>TV会議システムについては、転倒防止の措置を施す。</li> </ul>   | 統合原子力防災ネットワークに接続する通信連絡設備   | TV会議システム | <ul style="list-style-type: none"> <li>通信機器を設置するラックは、耐震性を有する原子力発電所敷地内の緊急時対策所指揮所に設置し転倒防止の措置を施すと共に、内蔵する通信機器は固縛等を施す。また、故障等に備え予備品を保有する。</li> </ul> | IP電話 | <ul style="list-style-type: none"> <li>緊急時対策所指揮所に設置するIP電話は、設置する机等の転倒防止及び落下防止の措置を施す。</li> </ul> | IP-FAX | <ul style="list-style-type: none"> <li>TV会議システム及びIP-FAXについては、転倒防止の措置を施す。</li> <li>TV会議システム、IP-FAX及びIP-FAX電話は、故障時に備え予備品を確保し、取替えの手続きを確保する。</li> </ul> | 緊急時衛星通報システム |  | <ul style="list-style-type: none"> <li>緊急時対策所指揮所に設置する通信端末は、設置する机等の転倒防止及び落下防止の措置を施す。</li> </ul> | 無線通話装置 |  | <ul style="list-style-type: none"> <li>緊急時対策所指揮所に設置する通信端末は、設置する机等の転倒防止及び落下防止の措置を施す。</li> </ul> |
| 種別   | 主要設備                     | 耐震措置   |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
| 発電所外用  | 加入電話                     | <ul style="list-style-type: none"> <li>緊急時対策所指揮所に設置する通信端末は、設置する机等の転倒防止及び落下防止の措置を施す。</li> <li>緊急時対策所指揮所に設置する複重電話(固定)は、設置する机等の転倒防止及び落下防止の措置を施す。また、故障等に備え予備品を備え、取替えの手続きを確保する。</li> <li>簡易電話(携帯)は、強固な収納ケースに収納する等の措置を施す。</li> </ul>   |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
|  | 伝真電話※1                   | 固定機  | <ul style="list-style-type: none"> <li>緊急時対策所指揮所に設置する通信端末は、設置する机等の転倒防止及び落下防止の措置を施す。</li> </ul>   |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
|  | 電力保安通信用電話設備※2            | 保安電話(固定、携帯)  | <ul style="list-style-type: none"> <li>緊急時対策所指揮所に設置する通信端末は、設置する机等の転倒防止及び落下防止の措置を施す。</li> </ul>   |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
|  | 加入ファクシミリ                 |  | 同上   |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
|  | 伝真電話(可搬)                 |  | <ul style="list-style-type: none"> <li>強固な収納ケースに収納し保管する。</li> </ul>  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
|  | 社内TV会議システム               |  | <ul style="list-style-type: none"> <li>TV会議システムについては、転倒防止の措置を施す。</li> </ul>  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
|  | 統合原子力防災ネットワークに接続する通信連絡設備 | TV会議システム   | <ul style="list-style-type: none"> <li>通信機器を設置するラックは、耐震性を有する原子力発電所敷地内の緊急時対策所指揮所に設置し転倒防止の措置を施すと共に、内蔵する通信機器は固縛等を施す。また、故障等に備え予備品を保有する。</li> </ul>   |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
|  |                          | IP電話   | <ul style="list-style-type: none"> <li>緊急時対策所指揮所に設置するIP電話は、設置する机等の転倒防止及び落下防止の措置を施す。</li> </ul>   |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
|  |                          | IP-FAX   | <ul style="list-style-type: none"> <li>TV会議システム及びIP-FAXについては、転倒防止の措置を施す。</li> <li>TV会議システム、IP-FAX及びIP-FAX電話は、故障時に備え予備品を確保し、取替えの手続きを確保する。</li> </ul>  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
|  | 緊急時衛星通報システム              |  | <ul style="list-style-type: none"> <li>緊急時対策所指揮所に設置する通信端末は、設置する机等の転倒防止及び落下防止の措置を施す。</li> </ul>   |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
| 無線通話装置   |                          | <ul style="list-style-type: none"> <li>緊急時対策所指揮所に設置する通信端末は、設置する机等の転倒防止及び落下防止の措置を施す。</li> </ul>   |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
| <p><b>参考8. 緊急時対策所のSPDSデータ表示に係る耐震性</b><br/> <b>緊急時対策所のSPDSデータ表示に係る機能に関しては、基準地震動Ssによる地震力に対し、機能を維持できるように表17に記載する措置を講じる。</b></p>   |                          |  |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
| <p><b>表17 SPDSデータ表示に係る耐震措置一覧</b></p> <table border="1"> <thead> <tr> <th>場所</th> <th>主要設備</th> <th>耐震措置</th> </tr> </thead> <tbody> <tr> <td rowspan="2">原子炉補助設備</td> <td>安全パラメータ表示システム(SPDS)</td> <td> <ul style="list-style-type: none"> <li>安全パラメータ表示システム(SPDS)へのデータ入力については、耐震性のあるラインからデータ入力できるようにする。</li> <li>安全パラメータ表示システム(SPDS)については耐震性としている。</li> <li>安全パラメータ表示システム(SPDS)を設置するラックについては、耐震性を有する原子炉補助設備内に設置し転倒防止の措置を施す。</li> <li>信号ケーブル及び電源ケーブルについては、耐震性を有する電線管等に布設している。</li> </ul> </td> </tr> <tr> <td>健康関係伝送設備</td> <td>通信機等</td> <td> <ul style="list-style-type: none"> <li>健康関係伝送設備するラックは耐震性を有する原子炉補助設備内に設置し、転倒防止の措置を施すと共に、内蔵する通信機器については固縛等を施す。※1</li> <li>信号ケーブル及び電源ケーブルについては、耐震性を有する電線管等に布設している。</li> </ul> </td> </tr> <tr> <td>健康関係伝送</td> <td>健康関係伝送ルート</td> <td> <ul style="list-style-type: none"> <li>健康関係伝送ルートについては、有線系用線の2重線を敷設しており多重性を持たせ、さらなる耐震性を持つ敷線高にて伝送出来るように施す。</li> <li>無線アンテナについては、耐震性を有する原子炉補助設備内に設置して転倒防止の措置を施す。</li> </ul> </td> </tr> <tr> <td rowspan="2">緊急時対策所指揮所</td> <td>健康関係伝送設備</td> <td>通信機等</td> <td> <ul style="list-style-type: none"> <li>健康関係伝送設備するラックは耐震性を有する緊急時対策所指揮所に設置して転倒防止の措置を施すと共に、内蔵する通信機器については固縛等を施す。※1</li> <li>信号ケーブル及び電源ケーブルについては、耐震性を有する電線管等に布設している。</li> <li>転倒防止措置を施す。</li> </ul> </td> </tr> <tr> <td>SPDS表示装置</td> <td></td> <td> <ul style="list-style-type: none"> <li>転倒防止措置を施す。</li> </ul> </td> </tr> </tbody> </table> <p>※1：汎用品である通信機器については、その機能を喪失しないよう強固な収納ケースに収納する等の措置を施した予備品を保有する。</p>   |                          |  |  |         |  |      | 場所 | 主要設備 | 耐震措置 | 原子炉補助設備 | 安全パラメータ表示システム(SPDS)  | <ul style="list-style-type: none"> <li>安全パラメータ表示システム(SPDS)へのデータ入力については、耐震性のあるラインからデータ入力できるようにする。</li> <li>安全パラメータ表示システム(SPDS)については耐震性としている。</li> <li>安全パラメータ表示システム(SPDS)を設置するラックについては、耐震性を有する原子炉補助設備内に設置し転倒防止の措置を施す。</li> <li>信号ケーブル及び電源ケーブルについては、耐震性を有する電線管等に布設している。</li> </ul> | 健康関係伝送設備 | 通信機等   | <ul style="list-style-type: none"> <li>健康関係伝送設備するラックは耐震性を有する原子炉補助設備内に設置し、転倒防止の措置を施すと共に、内蔵する通信機器については固縛等を施す。※1</li> <li>信号ケーブル及び電源ケーブルについては、耐震性を有する電線管等に布設している。</li> </ul> | 健康関係伝送  | 健康関係伝送ルート   | <ul style="list-style-type: none"> <li>健康関係伝送ルートについては、有線系用線の2重線を敷設しており多重性を持たせ、さらなる耐震性を持つ敷線高にて伝送出来るように施す。</li> <li>無線アンテナについては、耐震性を有する原子炉補助設備内に設置して転倒防止の措置を施す。</li> </ul> | 緊急時対策所指揮所   | 健康関係伝送設備 | 通信機等  | <ul style="list-style-type: none"> <li>健康関係伝送設備するラックは耐震性を有する緊急時対策所指揮所に設置して転倒防止の措置を施すと共に、内蔵する通信機器については固縛等を施す。※1</li> <li>信号ケーブル及び電源ケーブルについては、耐震性を有する電線管等に布設している。</li> <li>転倒防止措置を施す。</li> </ul> | SPDS表示装置 |  | <ul style="list-style-type: none"> <li>転倒防止措置を施す。</li> </ul> |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
| 場所   | 主要設備                     | 耐震措置   |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
| 原子炉補助設備  | 安全パラメータ表示システム(SPDS)      | <ul style="list-style-type: none"> <li>安全パラメータ表示システム(SPDS)へのデータ入力については、耐震性のあるラインからデータ入力できるようにする。</li> <li>安全パラメータ表示システム(SPDS)については耐震性としている。</li> <li>安全パラメータ表示システム(SPDS)を設置するラックについては、耐震性を有する原子炉補助設備内に設置し転倒防止の措置を施す。</li> <li>信号ケーブル及び電源ケーブルについては、耐震性を有する電線管等に布設している。</li> </ul> |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
|  | 健康関係伝送設備                 | 通信機等   | <ul style="list-style-type: none"> <li>健康関係伝送設備するラックは耐震性を有する原子炉補助設備内に設置し、転倒防止の措置を施すと共に、内蔵する通信機器については固縛等を施す。※1</li> <li>信号ケーブル及び電源ケーブルについては、耐震性を有する電線管等に布設している。</li> </ul>                      |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
| 健康関係伝送   | 健康関係伝送ルート                | <ul style="list-style-type: none"> <li>健康関係伝送ルートについては、有線系用線の2重線を敷設しており多重性を持たせ、さらなる耐震性を持つ敷線高にて伝送出来るように施す。</li> <li>無線アンテナについては、耐震性を有する原子炉補助設備内に設置して転倒防止の措置を施す。</li> </ul>   |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
| 緊急時対策所指揮所  | 健康関係伝送設備                 | 通信機等   | <ul style="list-style-type: none"> <li>健康関係伝送設備するラックは耐震性を有する緊急時対策所指揮所に設置して転倒防止の措置を施すと共に、内蔵する通信機器については固縛等を施す。※1</li> <li>信号ケーブル及び電源ケーブルについては、耐震性を有する電線管等に布設している。</li> <li>転倒防止措置を施す。</li> </ul> |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
|  | SPDS表示装置                 |  | <ul style="list-style-type: none"> <li>転倒防止措置を施す。</li> </ul>   |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
| <p><b>参考第8.1-2表 緊急時対策所の安全パラメータ表示システム(SPDS)及びデータ伝送設備に係る耐震措置</b></p> <table border="1"> <thead> <tr> <th>場所</th> <th>主要設備</th> <th>耐震措置</th> </tr> </thead> <tbody> <tr> <td rowspan="3">2号炉制御室</td> <td>データ収集装置</td> <td> <ul style="list-style-type: none"> <li>データ収集装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> </td> </tr> <tr> <td>光通信装置</td> <td> <ul style="list-style-type: none"> <li>光通信装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> </td> </tr> <tr> <td>無線通信装置</td> <td> <ul style="list-style-type: none"> <li>無線通信装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> <li>無線通信装置から無線アンテナまでのケーブルは、耐震性を有する電線管等に敷設する。</li> </ul> </td> </tr> <tr> <td rowspan="2">運送用</td> <td>健康関係伝送ルート</td> <td> <ul style="list-style-type: none"> <li>無線系</li> <li>有線系</li> </ul> </td> </tr> <tr> <td>光通信装置</td> <td> <ul style="list-style-type: none"> <li>光通信装置は、耐震性を有する緊急時対策所敷地内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> </td> </tr> <tr> <td rowspan="3">緊急時対策所</td> <td>無線通信装置</td> <td> <ul style="list-style-type: none"> <li>無線通信装置は、耐震性を有する緊急時対策所敷地内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> </td> </tr> <tr> <td>SPDS伝送装置</td> <td> <ul style="list-style-type: none"> <li>SPDS伝送装置は、耐震性を有する緊急時対策所敷地内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> </td> </tr> <tr> <td>SPDS表示装置</td> <td> <ul style="list-style-type: none"> <li>SPDS表示装置は、耐震性を有する緊急時対策所敷地内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> </td> </tr> </tbody> </table>  |                          |  |  |         |  |      | 場所 | 主要設備 | 耐震措置 | 2号炉制御室  | データ収集装置              | <ul style="list-style-type: none"> <li>データ収集装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul>   | 光通信装置    | <ul style="list-style-type: none"> <li>光通信装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul>  | 無線通信装置  | <ul style="list-style-type: none"> <li>無線通信装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> <li>無線通信装置から無線アンテナまでのケーブルは、耐震性を有する電線管等に敷設する。</li> </ul> | 運送用   | 健康関係伝送ルート  | <ul style="list-style-type: none"> <li>無線系</li> <li>有線系</li> </ul>  | 光通信装置    | <ul style="list-style-type: none"> <li>光通信装置は、耐震性を有する緊急時対策所敷地内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> | 緊急時対策所   | 無線通信装置   | <ul style="list-style-type: none"> <li>無線通信装置は、耐震性を有する緊急時対策所敷地内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> | SPDS伝送装置   | <ul style="list-style-type: none"> <li>SPDS伝送装置は、耐震性を有する緊急時対策所敷地内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> | SPDS表示装置  | <ul style="list-style-type: none"> <li>SPDS表示装置は、耐震性を有する緊急時対策所敷地内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> |          |  |      |  |        |   |             |  |  |        |  |  |
| 場所   | 主要設備                     | 耐震措置   |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
| 2号炉制御室   | データ収集装置                  | <ul style="list-style-type: none"> <li>データ収集装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul>   |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
|  | 光通信装置                    | <ul style="list-style-type: none"> <li>光通信装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul>  |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
|  | 無線通信装置                   | <ul style="list-style-type: none"> <li>無線通信装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> <li>無線通信装置から無線アンテナまでのケーブルは、耐震性を有する電線管等に敷設する。</li> </ul>  |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
| 運送用  | 健康関係伝送ルート                | <ul style="list-style-type: none"> <li>無線系</li> <li>有線系</li> </ul>   |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
|  | 光通信装置                    | <ul style="list-style-type: none"> <li>光通信装置は、耐震性を有する緊急時対策所敷地内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul>  |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
| 緊急時対策所   | 無線通信装置                   | <ul style="list-style-type: none"> <li>無線通信装置は、耐震性を有する緊急時対策所敷地内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul>   |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
|  | SPDS伝送装置                 | <ul style="list-style-type: none"> <li>SPDS伝送装置は、耐震性を有する緊急時対策所敷地内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul>   |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
|  | SPDS表示装置                 | <ul style="list-style-type: none"> <li>SPDS表示装置は、耐震性を有する緊急時対策所敷地内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul>   |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
| <p><b>参考第8-2表 データ表示及びERSS伝送機能に係る耐震措置</b></p> <table border="1"> <thead> <tr> <th>場所</th> <th>主要設備</th> <th>耐震措置</th> </tr> </thead> <tbody> <tr> <td rowspan="2">原子炉補助設備</td> <td>データ収集装置<br/>ERSS伝送サーバ</td> <td> <ul style="list-style-type: none"> <li>データ収集装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> <li>ERSS伝送サーバは、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> </td> </tr> <tr> <td>光通信装置</td> <td> <ul style="list-style-type: none"> <li>光通信装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> </td> </tr> <tr> <td rowspan="2">健康関係伝送</td> <td>無線通信装置</td> <td> <ul style="list-style-type: none"> <li>無線通信装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> </td> </tr> <tr> <td>無線通信装置</td> <td> <ul style="list-style-type: none"> <li>無線通信装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> </td> </tr> <tr> <td rowspan="2">健康関係伝送</td> <td>健康関係伝送ルート</td> <td> <ul style="list-style-type: none"> <li>無線系</li> <li>有線系</li> </ul> </td> </tr> <tr> <td>無線通信装置</td> <td> <ul style="list-style-type: none"> <li>無線通信装置は、耐震性を有する緊急時対策所敷地内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> </td> </tr> <tr> <td>緊急時対策所</td> <td>データ表示装置</td> <td> <ul style="list-style-type: none"> <li>データ表示装置は、耐震性を有する緊急時対策所敷地内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> </td> </tr> </tbody> </table>   |                          |  |  |         |  |      | 場所 | 主要設備 | 耐震措置 | 原子炉補助設備 | データ収集装置<br>ERSS伝送サーバ | <ul style="list-style-type: none"> <li>データ収集装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> <li>ERSS伝送サーバは、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul>   | 光通信装置    | <ul style="list-style-type: none"> <li>光通信装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> | 健康関係伝送  | 無線通信装置  | <ul style="list-style-type: none"> <li>無線通信装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> | 無線通信装置   | <ul style="list-style-type: none"> <li>無線通信装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> | 健康関係伝送   | 健康関係伝送ルート   | <ul style="list-style-type: none"> <li>無線系</li> <li>有線系</li> </ul>   | 無線通信装置   | <ul style="list-style-type: none"> <li>無線通信装置は、耐震性を有する緊急時対策所敷地内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> | 緊急時対策所   | データ表示装置  | <ul style="list-style-type: none"> <li>データ表示装置は、耐震性を有する緊急時対策所敷地内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul> |  |          |  |      |  |        |   |             |  |  |        |  |  |
| 場所   | 主要設備                     | 耐震措置   |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
| 原子炉補助設備  | データ収集装置<br>ERSS伝送サーバ     | <ul style="list-style-type: none"> <li>データ収集装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> <li>ERSS伝送サーバは、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul>   |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
|  | 光通信装置                    | <ul style="list-style-type: none"> <li>光通信装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul>   |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
| 健康関係伝送   | 無線通信装置                   | <ul style="list-style-type: none"> <li>無線通信装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul>  |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
|  | 無線通信装置                   | <ul style="list-style-type: none"> <li>無線通信装置は、耐震性を有する原子炉補助設備内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul>  |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
| 健康関係伝送   | 健康関係伝送ルート                | <ul style="list-style-type: none"> <li>無線系</li> <li>有線系</li> </ul>   |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
|  | 無線通信装置                   | <ul style="list-style-type: none"> <li>無線通信装置は、耐震性を有する緊急時対策所敷地内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul>   |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
| 緊急時対策所   | データ表示装置                  | <ul style="list-style-type: none"> <li>データ表示装置は、耐震性を有する緊急時対策所敷地内に設置し、転倒防止措置等を施すとともに、加振試験等により、基準地震動による地震力に対して機能が喪失しないことを確認する。</li> </ul>  |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |
| <p><b>【大飯】記載方針の相違（女川審査実績の反映）</b><br/>         ・大飯では通信連絡設備（発電所内）通信連絡設備（発電所外）を別表として構成している。</p> <p><b>SAに係る内容（当ページ）</b></p> <p><b>【大飯】記載方針の相違（女川審査実績の反映）</b><br/>         ・大飯では通信連絡に係る設備の耐震性に関する記載を参考9、データ通信に係る設備の耐震性に関する記載を参考8に記載している。</p>   |                          |  |  |         |  |      |    |      |      |         |                      |  |          |  |   |   |   |  |   |          |   |  |          |  |  |  |   |  |          |  |      |  |        |   |             |  |  |        |  |  |



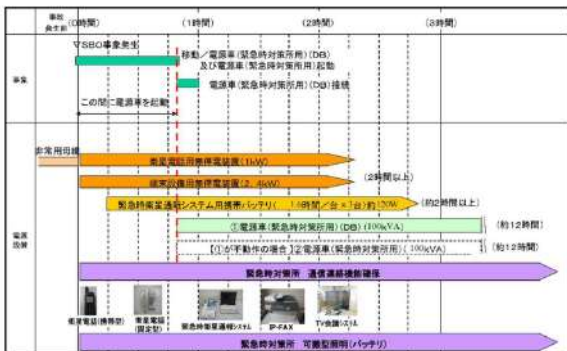

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉   | 女川原子力発電所2号炉  | 泊発電所3号炉   | 相違理由   |
|--|--|---|--|
| <p>【比較のため順番を変更して記載】</p> <p>参考6 緊急時対策所の通信連絡設備電源</p> | <p>参考9 緊急時対策所における通信連絡設備の電源について</p> <p>緊急時対策所の必要な負荷は、緊急時対策建屋内の緊急時対策所用高圧母線J系から受電している。</p> <p>緊急時対策所用高圧母線J系は、通常時に2号炉の非常用高圧母線を介して外部電源系から受電可能な設計とし、外部電源喪失時には、2号炉の非常用ディーゼル発電機を介し受電可能な設計とする。</p> <p>また、緊急時対策所用高圧母線J系が2号炉非常用高圧母線から受電できない場合、常設代替交流電源設備であるガスタービン発電機からの受電に自動で切り替わる設計とする。</p> <p>さらに、ガスタービン発電機の機能喪失も考慮し、緊急時対策所用高圧母線J系は緊急時対策建屋北側に配備している緊急時対策所用代替交流電源設備である電源車（緊急時対策所用）から受電可能な設計とする。</p> <p>緊急時対策所用代替交流電源設備である電源車（緊急時対策所用）は1台で緊急時対策建屋に電源供給するために必要な容量を有し、緊急時対策所軽油タンクより自動で燃料補給可能な設計であることから、1セット1台を配備する設計とする。</p> <p>非常用ディーゼル発電機から受電可能な非常用高圧母線、常設代替交流電源設備であるガスタービン発電機及び電源車（緊急時対策所用）により緊急時対策建屋の電源は多様性を有し、緊急時対策建屋内緊急時対策所と中央制御室は共通要因により同時に機能喪失しない設計とする。</p> | <p>参考9 緊急時対策所における通信連絡設備の電源について</p> <p>緊急時対策所における通信連絡設備の負荷は、緊急時対策所内の分電盤から受電している。</p> <p>緊急時対策所における通信連絡設備の電源は、通常時に3号炉の非常用高圧母線及び非常用低圧母線を介して外部電源系から受電可能な設計とし、外部電源喪失時には、3号炉のディーゼル発電機を介し受電可能な設計とする。</p> <p>また、緊急時対策所における通信連絡設備の電源が3号炉非常用低圧母線から受電できない場合、常設代替交流電源設備である代替非常用発電機から受電する設計とする。</p> <p>さらに、代替非常用発電機の機能喪失も考慮し、緊急時対策所近傍に配備している緊急時対策所用代替交流電源設備である緊急時対策所用発電機から受電可能な設計とする。</p> <p>比較のため34条より転載</p> <p>緊急時対策所用代替交流電源設備である緊急時対策所用発電機は緊急時対策所指揮所、緊急時対策所待機所各々に電源供給するために必要な容量を有するものを、緊急時対策所指揮所、緊急時対策所待機所に1台、故障による機能喪失の防止と燃料無給油時間の余裕確保のため2台を1セットとして合計4台を配備する設計とする。</p> <p>ディーゼル発電機から受電可能な非常用高圧母線及び非常用低圧母線、常設代替交流電源設備である代替非常用発電機及び緊急時対策所用代替交流電源設備である緊急時対策所用発電機により緊急時対策所における通信連絡設備の電源は多様性を有するとともに、緊急時対策所用発電機を複数台配備することにより緊急時対策所における通信連絡設備の電源は多重性を有し、緊急時対策所と中央制御室は共通要因により同時に機能喪失しない設計とする。</p> | <p>【大飯】記載方針の相違（女川審査実績の反映）</p> <p>【女川】設計方針の相違・泊の緊急時対策所における通信連絡設備の電源は、建屋電源とは別に受電している（電源構成の相違）<br/> <u>SAに係る内容（赤枠）</u></p> <p>【女川】記載方針の相違・泊の緊急時対策所用発電機はDB設備でないことから、他条文より記載を転載。</p> <p>【女川】設計方針の相違・泊の緊急時対策所は、指揮所と待機所にそれぞれ発電機を接続することから、必要台数に相違がある。また、燃料補給は可搬型タンクローリーにより行うことから、燃料給油時の停止も考慮して配備台数を決定している。</p> <p>【女川】設計方針の相違・電源構成の相違</p> <p>【大飯】設計方針の相違・DBの電源として電源車（緊急時対策所用）（DB）を準備している。泊ではSA事象となった場合は、緊急時対策所用発電機を起動する。</p> |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3/4号炉  | 女川原子力発電所2号炉  | 泊発電所3号炉  | 相違理由   |
|---|--|--|--|
| <p>緊急時対策所における通信連絡設備については、SBO発生時においても衛星電話用無停電電源装置、端末設備用無停電電源装置より給電されているため、必要となる通信連絡機能を維持できる。</p> <p>また、通信連絡設備は無停電電源装置の蓄電池が枯渇するまでに、電源車（緊急時対策所用）（DB）を起動、接続することで、継続して通信連絡機能を継続できる。</p> <p>仮に、電源車（緊急時対策所用）（DB）が不具合等で起動できない場合でも、バックアップ用の電源車（緊急時対策所用）により、継続して通信連絡機能を継続できる。</p> <p>緊急時対策所の通信連絡設備の電源を説明したタイムチャートを図8に、電源車の給油が必要となるタイミングを説明したタイムチャートを図9に示す。また、衛星電話用無停電電源装置等に接続する通信連絡設備の蓄電池耐量時間を表16に記載する。</p>  <p>緊急時対策所は、SBO発生から電源車起動までの間の必要な通信連絡機能を維持できる。</p> <p>図8 通信連絡設備における電源タイムチャート</p> | <p>緊急時対策所の必要な負荷を参考第9.1-1表に示す。</p> <p>また、常設代替交流電源設備及び緊急時対策所用代替交流電源設備の仕様を参考第9.1-2表に示す。</p> | <p>緊急時対策所における通信連絡設備は、全交流動力電源喪失時においても無停電電源等より受電しているため、必要となる通信連絡機能を維持できる。</p> <p>緊急時対策所における通信連絡設備は、無停電電源の蓄電池が枯渇するまでに、緊急時対策所用発電機を起動・接続することで、継続して通信連絡機能を維持できる。</p> <p>緊急時対策所の通信連絡設備に必要な負荷を参考第9-1表に示す。</p> <p>また、非常用電源設備及び代替交流電源設備の仕様を参考第9-2表に示す。</p> <p>ディーゼル発電機、代替非常用発電機及び緊急時対策所用発電機の仕様を参考第9-2表、緊急時対策所の通信連絡設備における無停電電源の継続時間を説明したタイムチャートを参考第9-1図、緊急時対策所用発電機の給油が必要となるタイミングを説明したタイムチャートを参考第9-2図に示す。</p>  <p>参考第9-1図 緊急時対策所の無停電電源の継続時間</p> | <p>SAに係る内容（赤枠）</p> <p>【女川】記載方針の相違<br/>・記載の充実</p> <p>【大飯】設計方針の相違<br/>・DBの電源として電源車（緊急時対策所用）（DB）を準備している。泊ではSA事象となった場合は、緊急時対策所用発電機を起動する。</p> <p>【女川】記載方針の相違<br/>・記載の充実</p> <p>【大飯】記載方針の相違（女川審査実績の反映）</p> <p>【女川】記載方針の相違<br/>・記載の充実（大飯審査実績の反映）</p> <p>【女川】記載方針の相違<br/>・記載の充実（大飯審査実績の反映）</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

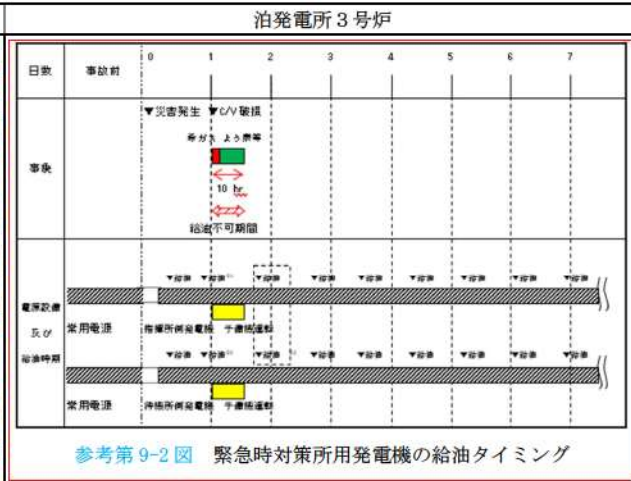


図9 電源車の給油が必要となるタイムチャート

女川原子力発電所2号炉

参考第9.1-1表 緊急時対策所 必要な負荷

| 負荷名称   | 負荷容量(kVA) |
|--|-----------|
| 換気空調設備   | 約200kVA   |
| 照明設備（コンセント負荷含む。）<br>（加入FAX、社内テレビ会議システム等）                         | 約47kVA    |
| 通信連絡設備（通信用電源装置（蓄電池）負荷含む。）<br>（送受話器（ページング）、移動無線設備等）               | 約5kVA     |
| その他負荷（充電器負荷含む。）<br>（衛星電話設備、無線連絡設備、統合原子力防災ネットワークを用いた通信連絡設備、SPDS等） | 約106kVA   |
| 合計   | 約358kVA   |



参考第9-2図 緊急時対策所用発電機の給油タイミング

参考第9-1表 緊急時対策所の通信連絡設備に必要な負荷

| 負荷名称   | 負荷容量 (kVA) |     | 備 考                                       |
|--------|------------|-----|---|
|        | 指揮所        | 待機所 |   |
| 通信連絡設備 | 15.1       | 0.7 | 統合原子力防災ネットワークを用いた通信連絡設備、データ表示端末、その他通信連絡設備 |

相違理由

SAに係る内容（赤枠）

【女川】記載方針の相違  
 ・記載の充実

DB/SAに係る内容

【女川】記載方針の相違  
 換気空調設備の負荷が非常用所内電源に接続されていないことから、通信連絡設備に特化した表とした。



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉   | 泊発電所 3 号炉              | 相違理由                          |            |                 |  |             |           |                  |    |          |                   |        |    |       |       |       |    |     |     |      |    |                              |     |     |  |  |                     |          |  |                        |                               |    |          |                     |                   |    |       |       |      |    |     |     |     |    |                       |     |                |  |
|----------------|---|------------------------|-------------------------------|------------|-----------------|--|-------------|-----------|------------------|----|----------|-------------------|--------|----|-------|-------|-------|----|-----|-----|------|----|------------------------------|-----|-----|--|--|---------------------|----------|--|------------------------|-------------------------------|----|----------|---------------------|-------------------|----|-------|-------|------|----|-----|-----|-----|----|-----------------------|-----|----------------|--|
|                | <p>参考第 9.1-2 表 常設代替交流電源設備及び緊急時対策所用代替交流電源設備の仕様</p> <table border="1" data-bbox="719 197 1321 453"> <thead> <tr> <th></th> <th>非常用交流電源設備</th> <th>常設代替交流電源設備</th> <th>緊急時対策所用代替交流電源設備</th> </tr> </thead> <tbody> <tr> <td></td> <td>非常用ディーゼル発電機</td> <td>ガスタービン発電機</td> <td>電源車<br/>(緊急時対策所用)</td> </tr> <tr> <td>容量</td> <td>7,625kVA</td> <td>4,500kVA (1 台あたり)</td> <td>400kVA</td> </tr> <tr> <td>電圧</td> <td>6.9kV</td> <td>6.9kV</td> <td>6.9kV</td> </tr> <tr> <td>力率</td> <td>0.8</td> <td>0.8</td> <td>0.85</td> </tr> <tr> <td>台数</td> <td>1 台<br/>備考：非常用ディーゼル<br/>発電機 2B</td> <td>2 台</td> <td>1 台</td> </tr> </tbody> </table> <p>緊急時対策建屋の負荷リストは、参考第 9.1-1 表に示すとおり、最大約 358kVA であり、非常用ディーゼル発電機 2B (7,625kVA)、ガスタービン発電機 2 台 (4,500kVA (1 台あたり))、電源車 (緊急時対策所用) (400kVA) により給電可能な設計としている。</p> <p>電源車 (緊急時対策所用) の燃料系統は、緊急時対策所軽油タンク 2 基 (20kL)、配管等で構成される。緊急時対策所軽油タンクは、緊急時対策建屋内に設置され、重大事故等時に電源車 (緊急時対策所用) を用いて緊急時対策建屋に電源供給 (保守的に定格運転を想定) した場合、緊急時対策所軽油タンク 2 基にて約 7 日間の連続運転が可能な容量を有する。</p> <p>万一の故障への対応として、緊急時対策建屋の電源構成は 2 重化しており、片系の電源系統の故障においても緊急時対策所の機能を喪失することがない設計とする。</p> |                        | 非常用交流電源設備                     | 常設代替交流電源設備 | 緊急時対策所用代替交流電源設備 |  | 非常用ディーゼル発電機 | ガスタービン発電機 | 電源車<br>(緊急時対策所用) | 容量 | 7,625kVA | 4,500kVA (1 台あたり) | 400kVA | 電圧 | 6.9kV | 6.9kV | 6.9kV | 力率 | 0.8 | 0.8 | 0.85 | 台数 | 1 台<br>備考：非常用ディーゼル<br>発電機 2B | 2 台 | 1 台 | <p>参考第 9-2 表 非常用電源設備及び代替交流電源設備の仕様</p> <table border="1" data-bbox="1350 177 1953 368"> <thead> <tr> <th rowspan="2"></th> <th rowspan="2">非常用電源設備<br/>ディーゼル発電機</th> <th colspan="2">代替交流電源設備</th> </tr> <tr> <th>常設代替交流電源設備<br/>代替非常用発電機</th> <th>緊急時対策所用代替交流電源設備<br/>緊急時対策所用発電機</th> </tr> </thead> <tbody> <tr> <td>容量</td> <td>7,000kVA</td> <td>約 1,725kVA (1 台あたり)</td> <td>約 270kVA (1 台あたり)</td> </tr> <tr> <td>電圧</td> <td>6.9kV</td> <td>6.6kV</td> <td>200V</td> </tr> <tr> <td>力率</td> <td>0.8</td> <td>0.8</td> <td>0.8</td> </tr> <tr> <td>台数</td> <td>1 台<br/>参考：3B-ディーゼル発電機</td> <td>2 台</td> <td>8 台<br/>(予備を含む)</td> </tr> </tbody> </table> <p>緊急時対策所の通信連絡設備の負荷リストは、参考第 9-1 表に示すとおり、最大約 15.8kVA であり、3B-ディーゼル発電機 (約 7,000kVA)、代替非常用発電機 (約 1,725kVA)、緊急時対策所用発電機 (約 270kVA) により給電可能な設計としている。</p> <p>緊急時対策所用発電機の燃料は、ディーゼル発電機燃料貯油槽 4 基 (合計 540kL 以上で管理) に備蓄する燃料を、ディーゼル発電機燃料油移送ポンプ及び可搬型タンクローリーを用いて補給する。ディーゼル発電機燃料油貯油槽は、屋外に設置され、重大事故等時に緊急時対策所用発電機を用いて緊急時対策所に電源供給 (保守的に定格運転を想定) した場合、ディーゼル発電機燃料油貯油槽 4 基にて約 7 日間の連続運転が可能な容量を有する。</p> <p>万一の故障への対応として、緊急時対策所の電源構成は 2 重化しており、片系の電源系統の故障においても緊急時対策所の機能を喪失することがない設計とする。</p> |  | 非常用電源設備<br>ディーゼル発電機 | 代替交流電源設備 |  | 常設代替交流電源設備<br>代替非常用発電機 | 緊急時対策所用代替交流電源設備<br>緊急時対策所用発電機 | 容量 | 7,000kVA | 約 1,725kVA (1 台あたり) | 約 270kVA (1 台あたり) | 電圧 | 6.9kV | 6.6kV | 200V | 力率 | 0.8 | 0.8 | 0.8 | 台数 | 1 台<br>参考：3B-ディーゼル発電機 | 2 台 | 8 台<br>(予備を含む) | <p>SA に係る内容 (赤枠)</p> <p>【女川】記載方針の相違<br/>         ・女川は緊急時対策所の建屋電源から通信連絡設備の電源を受電しているが、泊は通信連絡設備用の電源として建屋電源とは別に受電している</p> <p>【女川】設計方針の相違<br/>         ・女川は建屋電源から通信連絡設備の電源を受電しているため、建屋の負荷容量を記載している。泊は、通信連絡設備用として電源を受電しているため、通信連絡設備の負荷容量を記載している</p> <p>【女川】設計方針の相違<br/>         泊は、緊急時対策所軽油タンクに相当する設備はないが、ディーゼル発電機燃料油貯油槽に 7 日間以上の重大事故等対処が可能な備蓄量を確保しており、定期的又はブルーム通過前にタンクローリーを用いて緊急時対策所用発電機に燃料を補給する手順を整備することでブルーム通過時においても燃料を補給せずに運転できる設計としている。</p> |
|                | 非常用交流電源設備   | 常設代替交流電源設備             | 緊急時対策所用代替交流電源設備               |            |                 |  |             |           |                  |    |          |                   |        |    |       |       |       |    |     |     |      |    |                              |     |     |  |  |                     |          |  |                        |                               |    |          |                     |                   |    |       |       |      |    |     |     |     |    |                       |     |                |  |
|                | 非常用ディーゼル発電機   | ガスタービン発電機              | 電源車<br>(緊急時対策所用)              |            |                 |  |             |           |                  |    |          |                   |        |    |       |       |       |    |     |     |      |    |                              |     |     |  |  |                     |          |  |                        |                               |    |          |                     |                   |    |       |       |      |    |     |     |     |    |                       |     |                |  |
| 容量             | 7,625kVA  | 4,500kVA (1 台あたり)      | 400kVA                        |            |                 |  |             |           |                  |    |          |                   |        |    |       |       |       |    |     |     |      |    |                              |     |     |  |  |                     |          |  |                        |                               |    |          |                     |                   |    |       |       |      |    |     |     |     |    |                       |     |                |  |
| 電圧             | 6.9kV   | 6.9kV                  | 6.9kV                         |            |                 |  |             |           |                  |    |          |                   |        |    |       |       |       |    |     |     |      |    |                              |     |     |  |  |                     |          |  |                        |                               |    |          |                     |                   |    |       |       |      |    |     |     |     |    |                       |     |                |  |
| 力率             | 0.8   | 0.8                    | 0.85                          |            |                 |  |             |           |                  |    |          |                   |        |    |       |       |       |    |     |     |      |    |                              |     |     |  |  |                     |          |  |                        |                               |    |          |                     |                   |    |       |       |      |    |     |     |     |    |                       |     |                |  |
| 台数             | 1 台<br>備考：非常用ディーゼル<br>発電機 2B  | 2 台                    | 1 台                           |            |                 |  |             |           |                  |    |          |                   |        |    |       |       |       |    |     |     |      |    |                              |     |     |  |  |                     |          |  |                        |                               |    |          |                     |                   |    |       |       |      |    |     |     |     |    |                       |     |                |  |
|                | 非常用電源設備<br>ディーゼル発電機   | 代替交流電源設備               |                               |            |                 |  |             |           |                  |    |          |                   |        |    |       |       |       |    |     |     |      |    |                              |     |     |  |  |                     |          |  |                        |                               |    |          |                     |                   |    |       |       |      |    |     |     |     |    |                       |     |                |  |
|                |   | 常設代替交流電源設備<br>代替非常用発電機 | 緊急時対策所用代替交流電源設備<br>緊急時対策所用発電機 |            |                 |  |             |           |                  |    |          |                   |        |    |       |       |       |    |     |     |      |    |                              |     |     |  |  |                     |          |  |                        |                               |    |          |                     |                   |    |       |       |      |    |     |     |     |    |                       |     |                |  |
| 容量             | 7,000kVA  | 約 1,725kVA (1 台あたり)    | 約 270kVA (1 台あたり)             |            |                 |  |             |           |                  |    |          |                   |        |    |       |       |       |    |     |     |      |    |                              |     |     |  |  |                     |          |  |                        |                               |    |          |                     |                   |    |       |       |      |    |     |     |     |    |                       |     |                |  |
| 電圧             | 6.9kV   | 6.6kV                  | 200V                          |            |                 |  |             |           |                  |    |          |                   |        |    |       |       |       |    |     |     |      |    |                              |     |     |  |  |                     |          |  |                        |                               |    |          |                     |                   |    |       |       |      |    |     |     |     |    |                       |     |                |  |
| 力率             | 0.8   | 0.8                    | 0.8                           |            |                 |  |             |           |                  |    |          |                   |        |    |       |       |       |    |     |     |      |    |                              |     |     |  |  |                     |          |  |                        |                               |    |          |                     |                   |    |       |       |      |    |     |     |     |    |                       |     |                |  |
| 台数             | 1 台<br>参考：3B-ディーゼル発電機   | 2 台                    | 8 台<br>(予備を含む)                |            |                 |  |             |           |                  |    |          |                   |        |    |       |       |       |    |     |     |      |    |                              |     |     |  |  |                     |          |  |                        |                               |    |          |                     |                   |    |       |       |      |    |     |     |     |    |                       |     |                |  |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大飯発電所3/4号炉   | 女川原子力発電所2号炉             | 泊発電所3号炉           | 相違理由                 |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
|--|-------------------------|-------------------|----------------------|---------|---------|----------------------|------|-------|-------------------|-------|-------------------------------|-----|-----------------------------|------|---------------|----|--------|--------|---------|----------------------------------|------|---------|-------------------|-------|------------------------------------|------|--------------------------------------|------|----------------------|------|----------------------------|------|-----------------------------|------|--|--|--|--|-------|----------------|-----------------|-------|--------------|--|-------------------|----------------------|--------|-------------|--------|-----|-------------|-------------|-------------------------|-----------|----------------------|--------|--|-------|--|---------|--|----|--|---------|--|-------|----------------|-------|-------|--------------|-------|--------------|-------------|--------|-----|-------------|-------|-------|--------|----|--------|--|--|----------------------------------|------|--------|-------|--------|--------------------------------|-------|-----|-------|-------|--------------------------------------|-------|-----------------------------|--|--|--|--|----------------------------------|------|--------|-------|--------|--------------------------|-------|--------|-------|-------|--------------------------------|---------|-----------------------------|--|--|--|--|----------------------------------|------|--------|-------|--------|--------------------------|-------|--------|-------|-------|--------------------------------|---------|------|-----|-----------------------------|--|--|--|--|----------------------------------|------|--------|-------|--------|--|-----|-----|-------|-------|-----------------------------|--|--|--|--|----------------------------------|------|--------|-------|--------|--|-----|--------|-------|-------|-----------------------|-----|----------------------------|-------|-----------------------------|--|--|--|--|--|
| <p>表 16 衛星電話用、端末設備用無停電電源装置等の蓄電池耐量時間</p> <table border="1"> <thead> <tr> <th>衛星電話用 無停電電源装置</th> <th>負荷</th> <th>合計負荷容量</th> <th>電源定格出力</th> <th>蓄電池耐量時間</th> </tr> </thead> <tbody> <tr> <td>衛星電話(固定)<br/>(27W×5台)</td> <td>135W</td> <td rowspan="3">約610W</td> <td rowspan="3">1.0kW<br/>(1.5kVA)</td> <td rowspan="3">2時間以上</td> </tr> <tr> <td>緊急時衛星通報システム(衛星設備)<br/>(63W×1式)</td> <td>63W</td> </tr> <tr> <td>衛星電話(可搬)(衛星設備)<br/>(412W×1式)</td> <td>412W</td> </tr> <tr> <th>端末設備用 無停電電源装置</th> <th>負荷</th> <th>合計負荷容量</th> <th>電源定格出力</th> <th>蓄電池耐量時間</th> </tr> <tr> <td>統合原子力防災ネットワーク(IP電話)<br/>(600W×1式)</td> <td>600W</td> <td rowspan="5">約2,200W</td> <td rowspan="5">2.4kW<br/>(3.0kVA)</td> <td rowspan="5">2時間以上</td> </tr> <tr> <td>統合原子力防災ネットワーク(IP-FAX)<br/>(860W×1台)</td> <td>860W</td> </tr> <tr> <td>統合原子力防災ネットワーク(TV会議システム)<br/>(300W×1台)</td> <td>300W</td> </tr> <tr> <td>SPDS表示装置<br/>(90W×2台)</td> <td>180W</td> </tr> <tr> <td>緊急時衛星通報システム(端末設備)(126W×1式)</td> <td>126W</td> </tr> <tr> <td>衛星電話(可搬)(端末設備)<br/>(132W×1式)</td> <td>132W</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | 衛星電話用 無停電電源装置           | 負荷                | 合計負荷容量               | 電源定格出力  | 蓄電池耐量時間 | 衛星電話(固定)<br>(27W×5台) | 135W | 約610W | 1.0kW<br>(1.5kVA) | 2時間以上 | 緊急時衛星通報システム(衛星設備)<br>(63W×1式) | 63W | 衛星電話(可搬)(衛星設備)<br>(412W×1式) | 412W | 端末設備用 無停電電源装置 | 負荷 | 合計負荷容量 | 電源定格出力 | 蓄電池耐量時間 | 統合原子力防災ネットワーク(IP電話)<br>(600W×1式) | 600W | 約2,200W | 2.4kW<br>(3.0kVA) | 2時間以上 | 統合原子力防災ネットワーク(IP-FAX)<br>(860W×1台) | 860W | 統合原子力防災ネットワーク(TV会議システム)<br>(300W×1台) | 300W | SPDS表示装置<br>(90W×2台) | 180W | 緊急時衛星通報システム(端末設備)(126W×1式) | 126W | 衛星電話(可搬)(端末設備)<br>(132W×1式) | 132W |  |  |  | <p>参考 10 緊急時対策所の充電器及び通信用電源装置（蓄電池）の仕様について</p> <p>緊急時対策所における通信連絡設備は、外部電源喪失時、以下に示すとおり、充電器（直流 125V）及び通信用電源装置（蓄電池）（直流 48V）から給電可能な設計とする。</p> <p>a. 充電器（直流 125V）の仕様</p> <table border="1"> <thead> <tr> <th>蓄電池容量</th> <th>給電可能時間（停電補償時間）</th> </tr> </thead> <tbody> <tr> <td>2,000Ah（1系統あたり）</td> <td>3時間以上</td> </tr> </tbody> </table> <p>充電器（直流 125V）から給電可能な設備の負荷</p> <table border="1"> <thead> <tr> <th colspan="2">充電器から給電可能な設備</th> <th>負荷[A]<br/>(1系統あたり)</th> <th>充電器容量[A]<br/>(1系統あたり)</th> </tr> </thead> <tbody> <tr> <td rowspan="5">通信連絡設備</td> <td>衛星電話設備（固定型）</td> <td rowspan="5">約 88.6</td> <td rowspan="5">450</td> </tr> <tr> <td>無線連絡設備（固定型）</td> </tr> <tr> <td>衛星保安電話（固定型）</td> </tr> <tr> <td>統合原子力防災ネットワークを用いた通信連絡設備</td> </tr> <tr> <td>テレビ会議システム</td> </tr> <tr> <td>安全パラメータ表示システム (SPDS)</td> <td>約 75.0</td> <td></td> </tr> <tr> <td>その他設備</td> <td></td> <td>約 153.0</td> <td></td> </tr> <tr> <td colspan="2">合計</td> <td>約 316.6</td> <td></td> </tr> </tbody> </table> <p>各負荷については、今後の詳細設計により、変更となる可能性がある。</p> <p>b. A系通信用電源装置（蓄電池）（直流 48V）の仕様</p> <table border="1"> <thead> <tr> <th>蓄電池容量</th> <th>給電可能時間（停電補償時間）</th> </tr> </thead> <tbody> <tr> <td>800Ah</td> <td>3時間以上</td> </tr> </tbody> </table> <p>A系通信用電源装置（蓄電池）（直流 48V）から給電可能な設備の負荷</p> <table border="1"> <thead> <tr> <th>充電器から給電可能な設備</th> <th>負荷[A]</th> <th>通信用電源装置容量[A]</th> </tr> </thead> <tbody> <tr> <td>送受話器（バーゼンダ）</td> <td>約 20.0</td> <td rowspan="3">250</td> </tr> <tr> <td>移動無線設備（固定型）</td> <td>約 5.0</td> </tr> <tr> <td>その他機器</td> <td>約 66.0</td> </tr> <tr> <td>合計</td> <td>約 91.0</td> <td></td> </tr> </tbody> </table> <p>各負荷については、今後の詳細設計により、変更となる可能性がある。</p> | 蓄電池容量 | 給電可能時間（停電補償時間） | 2,000Ah（1系統あたり） | 3時間以上 | 充電器から給電可能な設備 |  | 負荷[A]<br>(1系統あたり) | 充電器容量[A]<br>(1系統あたり) | 通信連絡設備 | 衛星電話設備（固定型） | 約 88.6 | 450 | 無線連絡設備（固定型） | 衛星保安電話（固定型） | 統合原子力防災ネットワークを用いた通信連絡設備 | テレビ会議システム | 安全パラメータ表示システム (SPDS) | 約 75.0 |  | その他設備 |  | 約 153.0 |  | 合計 |  | 約 316.6 |  | 蓄電池容量 | 給電可能時間（停電補償時間） | 800Ah | 3時間以上 | 充電器から給電可能な設備 | 負荷[A] | 通信用電源装置容量[A] | 送受話器（バーゼンダ） | 約 20.0 | 250 | 移動無線設備（固定型） | 約 5.0 | その他機器 | 約 66.0 | 合計 | 約 91.0 |  | <p>参考 10 緊急時対策所の通信連絡設備用無停電電源の仕様について</p> <p>緊急時対策所における通信連絡設備は、外部電源喪失時、以下に示すとおり、無停電電源から給電可能な設計とする。</p> <p>緊急時対策所における通信連絡設備用無停電電源の蓄電池耐量時間を参考第 10-1 表、参考第 10-2 表及び参考第 10-3 表に記載する。</p> <p>参考第 10-1 表 通信連絡設備用無停電電源の蓄電池耐量時間（1/3）</p> <table border="1"> <thead> <tr> <th>無停電電源 1（端末設備用）<br/>（無停電電源出力：980W）</th> <th>消費電力</th> <th>合計消費電力</th> <th>蓄電池容量</th> <th>充電耐量時間</th> </tr> </thead> <tbody> <tr> <td>加入電話設備<br/>加入 FAX<sup>※1</sup></td> <td>27.5W</td> <td rowspan="2">55W</td> <td rowspan="2">408Wh</td> <td rowspan="2">2時間以上</td> </tr> <tr> <td>衛星電話設備<br/>衛星電話設備 (FAX)<sup>※1</sup></td> <td>27.5W</td> </tr> <tr> <td colspan="5">※1：FAXは送信時に必要な消費電力にて算出している。</td> </tr> <tr> <th>無停電電源 2（端末設備用）<br/>（無停電電源出力：980W）</th> <th>消費電力</th> <th>合計消費電力</th> <th>蓄電池容量</th> <th>充電耐量時間</th> </tr> <tr> <td>専用電話設備<br/>専用電話設備（固定型）×3台</td> <td>16W×3</td> <td rowspan="2">133.5W</td> <td rowspan="2">408Wh</td> <td rowspan="2">2時間以上</td> </tr> <tr> <td>専用電話設備 (FAX) ×3台<sup>※1</sup></td> <td>28.5W×3</td> </tr> <tr> <td colspan="5">※1：FAXは送信時に必要な消費電力にて算出している。</td> </tr> <tr> <th>無停電電源 3（端末設備用）<br/>（無停電電源出力：980W）</th> <th>消費電力</th> <th>合計消費電力</th> <th>蓄電池容量</th> <th>充電耐量時間</th> </tr> <tr> <td>専用電話設備<br/>専用電話設備（固定型）×3台</td> <td>16W×3</td> <td rowspan="3">144.5W</td> <td rowspan="3">408Wh</td> <td rowspan="3">2時間以上</td> </tr> <tr> <td>専用電話設備 (FAX) ×3台<sup>※1</sup></td> <td>28.5W×3</td> </tr> <tr> <td>通信機器</td> <td>11W</td> </tr> <tr> <td colspan="5">※1：FAXは送信時に必要な消費電力にて算出している。</td> </tr> <tr> <th>無停電電源 4（端末設備用）<br/>（無停電電源出力：980W）</th> <th>消費電力</th> <th>合計消費電力</th> <th>蓄電池容量</th> <th>充電耐量時間</th> </tr> <tr> <td>統合原子力防災ネットワークを用いた通信連絡設備<br/>IP-FAX（衛星系）<sup>※1</sup></td> <td>72W</td> <td>72W</td> <td>408Wh</td> <td>2時間以上</td> </tr> <tr> <td colspan="5">※1：FAXは送信時に必要な消費電力にて算出している。</td> </tr> <tr> <th>無停電電源 5（端末設備用）<br/>（無停電電源出力：980W）</th> <th>消費電力</th> <th>合計消費電力</th> <th>蓄電池容量</th> <th>充電耐量時間</th> </tr> <tr> <td>統合原子力防災ネットワークを用いた通信連絡設備<br/>IP-FAX（地上系）<sup>※1</sup></td> <td>72W</td> <td rowspan="3">116.5W</td> <td rowspan="3">408Wh</td> <td rowspan="3">2時間以上</td> </tr> <tr> <td>専用電話設備<br/>専用電話設備（固定型）</td> <td>16W</td> </tr> <tr> <td>専用電話設備 (FAX)<sup>※1</sup></td> <td>28.5W</td> </tr> <tr> <td colspan="5">※1：FAXは送信時に必要な消費電力にて算出している。</td> </tr> </tbody> </table> | 無停電電源 1（端末設備用）<br>（無停電電源出力：980W） | 消費電力 | 合計消費電力 | 蓄電池容量 | 充電耐量時間 | 加入電話設備<br>加入 FAX <sup>※1</sup> | 27.5W | 55W | 408Wh | 2時間以上 | 衛星電話設備<br>衛星電話設備 (FAX) <sup>※1</sup> | 27.5W | ※1：FAXは送信時に必要な消費電力にて算出している。 |  |  |  |  | 無停電電源 2（端末設備用）<br>（無停電電源出力：980W） | 消費電力 | 合計消費電力 | 蓄電池容量 | 充電耐量時間 | 専用電話設備<br>専用電話設備（固定型）×3台 | 16W×3 | 133.5W | 408Wh | 2時間以上 | 専用電話設備 (FAX) ×3台 <sup>※1</sup> | 28.5W×3 | ※1：FAXは送信時に必要な消費電力にて算出している。 |  |  |  |  | 無停電電源 3（端末設備用）<br>（無停電電源出力：980W） | 消費電力 | 合計消費電力 | 蓄電池容量 | 充電耐量時間 | 専用電話設備<br>専用電話設備（固定型）×3台 | 16W×3 | 144.5W | 408Wh | 2時間以上 | 専用電話設備 (FAX) ×3台 <sup>※1</sup> | 28.5W×3 | 通信機器 | 11W | ※1：FAXは送信時に必要な消費電力にて算出している。 |  |  |  |  | 無停電電源 4（端末設備用）<br>（無停電電源出力：980W） | 消費電力 | 合計消費電力 | 蓄電池容量 | 充電耐量時間 | 統合原子力防災ネットワークを用いた通信連絡設備<br>IP-FAX（衛星系） <sup>※1</sup> | 72W | 72W | 408Wh | 2時間以上 | ※1：FAXは送信時に必要な消費電力にて算出している。 |  |  |  |  | 無停電電源 5（端末設備用）<br>（無停電電源出力：980W） | 消費電力 | 合計消費電力 | 蓄電池容量 | 充電耐量時間 | 統合原子力防災ネットワークを用いた通信連絡設備<br>IP-FAX（地上系） <sup>※1</sup> | 72W | 116.5W | 408Wh | 2時間以上 | 専用電話設備<br>専用電話設備（固定型） | 16W | 専用電話設備 (FAX) <sup>※1</sup> | 28.5W | ※1：FAXは送信時に必要な消費電力にて算出している。 |  |  |  |  | <p>【女川】設計方針の相違<br/>         泊では、無停電電源 (UPS) の類、無停電電源装置、充電式電池、乾電池と設備によって様々な電源に接続されている状況から、他PWRプラントと同様に「無停電電源」と表記。</p> <p>【女川】記載方針の違い<br/>         (大飯審査実績の反映)</p> |
| 衛星電話用 無停電電源装置  | 負荷                      | 合計負荷容量            | 電源定格出力               | 蓄電池耐量時間 |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 衛星電話(固定)<br>(27W×5台)   | 135W                    | 約610W             | 1.0kW<br>(1.5kVA)    | 2時間以上   |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 緊急時衛星通報システム(衛星設備)<br>(63W×1式)  | 63W                     |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 衛星電話(可搬)(衛星設備)<br>(412W×1式)  | 412W                    |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 端末設備用 無停電電源装置  | 負荷                      | 合計負荷容量            | 電源定格出力               | 蓄電池耐量時間 |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 統合原子力防災ネットワーク(IP電話)<br>(600W×1式)   | 600W                    | 約2,200W           | 2.4kW<br>(3.0kVA)    | 2時間以上   |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 統合原子力防災ネットワーク(IP-FAX)<br>(860W×1台)   | 860W                    |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 統合原子力防災ネットワーク(TV会議システム)<br>(300W×1台)   | 300W                    |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| SPDS表示装置<br>(90W×2台)   | 180W                    |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 緊急時衛星通報システム(端末設備)(126W×1式)   | 126W                    |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 衛星電話(可搬)(端末設備)<br>(132W×1式)  | 132W                    |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 蓄電池容量  | 給電可能時間（停電補償時間）          |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 2,000Ah（1系統あたり）  | 3時間以上                   |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 充電器から給電可能な設備   |                         | 負荷[A]<br>(1系統あたり) | 充電器容量[A]<br>(1系統あたり) |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 通信連絡設備   | 衛星電話設備（固定型）             | 約 88.6            | 450                  |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
|  | 無線連絡設備（固定型）             |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
|  | 衛星保安電話（固定型）             |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
|  | 統合原子力防災ネットワークを用いた通信連絡設備 |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
|  | テレビ会議システム               |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 安全パラメータ表示システム (SPDS)   | 約 75.0                  |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| その他設備  |                         | 約 153.0           |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 合計   |                         | 約 316.6           |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 蓄電池容量  | 給電可能時間（停電補償時間）          |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 800Ah  | 3時間以上                   |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 充電器から給電可能な設備   | 負荷[A]                   | 通信用電源装置容量[A]      |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 送受話器（バーゼンダ）  | 約 20.0                  | 250               |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 移動無線設備（固定型）  | 約 5.0                   |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| その他機器  | 約 66.0                  |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 合計   | 約 91.0                  |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 無停電電源 1（端末設備用）<br>（無停電電源出力：980W）   | 消費電力                    | 合計消費電力            | 蓄電池容量                | 充電耐量時間  |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 加入電話設備<br>加入 FAX <sup>※1</sup>   | 27.5W                   | 55W               | 408Wh                | 2時間以上   |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 衛星電話設備<br>衛星電話設備 (FAX) <sup>※1</sup>   | 27.5W                   |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| ※1：FAXは送信時に必要な消費電力にて算出している。  |                         |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 無停電電源 2（端末設備用）<br>（無停電電源出力：980W）   | 消費電力                    | 合計消費電力            | 蓄電池容量                | 充電耐量時間  |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 専用電話設備<br>専用電話設備（固定型）×3台   | 16W×3                   | 133.5W            | 408Wh                | 2時間以上   |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 専用電話設備 (FAX) ×3台 <sup>※1</sup>   | 28.5W×3                 |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| ※1：FAXは送信時に必要な消費電力にて算出している。  |                         |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 無停電電源 3（端末設備用）<br>（無停電電源出力：980W）   | 消費電力                    | 合計消費電力            | 蓄電池容量                | 充電耐量時間  |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 専用電話設備<br>専用電話設備（固定型）×3台   | 16W×3                   | 144.5W            | 408Wh                | 2時間以上   |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 専用電話設備 (FAX) ×3台 <sup>※1</sup>   | 28.5W×3                 |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 通信機器   | 11W                     |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| ※1：FAXは送信時に必要な消費電力にて算出している。  |                         |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 無停電電源 4（端末設備用）<br>（無停電電源出力：980W）   | 消費電力                    | 合計消費電力            | 蓄電池容量                | 充電耐量時間  |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 統合原子力防災ネットワークを用いた通信連絡設備<br>IP-FAX（衛星系） <sup>※1</sup>   | 72W                     | 72W               | 408Wh                | 2時間以上   |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| ※1：FAXは送信時に必要な消費電力にて算出している。  |                         |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 無停電電源 5（端末設備用）<br>（無停電電源出力：980W）   | 消費電力                    | 合計消費電力            | 蓄電池容量                | 充電耐量時間  |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 統合原子力防災ネットワークを用いた通信連絡設備<br>IP-FAX（地上系） <sup>※1</sup>   | 72W                     | 116.5W            | 408Wh                | 2時間以上   |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 専用電話設備<br>専用電話設備（固定型）  | 16W                     |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| 専用電話設備 (FAX) <sup>※1</sup>   | 28.5W                   |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |
| ※1：FAXは送信時に必要な消費電力にて算出している。  |                         |                   |                      |         |         |                      |      |       |                   |       |                               |     |                             |      |               |    |        |        |         |                                  |      |         |                   |       |                                    |      |                                      |      |                      |      |                            |      |                             |      |  |  |  |  |       |                |                 |       |              |  |                   |                      |        |             |        |     |             |             |                         |           |                      |        |  |       |  |         |  |    |  |         |  |       |                |       |       |              |       |              |             |        |     |             |       |       |        |    |        |  |  |                                  |      |        |       |        |                                |       |     |       |       |                                      |       |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |                             |  |  |  |  |                                  |      |        |       |        |                          |       |        |       |       |                                |         |      |     |                             |  |  |  |  |                                  |      |        |       |        |  |     |     |       |       |                             |  |  |  |  |                                  |      |        |       |        |  |     |        |       |       |                       |     |                            |       |                             |  |  |  |  |  |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉                             | 女川原子力発電所 2 号炉 | 泊発電所 3 号炉   | 相違理由                               |         |        |         |  |  |        |                            |               |        |                                      |         |         |       |         |                            |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |
|--|---------------|---|------------------------------------|---------|--------|---------|--|--|--------|----------------------------|---------------|--------|--------------------------------------|---------|---------|-------|---------|----------------------------|------|------|-------|--------|--------------|------|--------------------------------------|------|--------|-------|---------|--------------------------------------|------|--------|-------|--------|------------------------|------|---------------------|-----|----------------|-----|--------------------------------------|------|--------|-------|---------|---------------------------------|--------|--------|-------|--------|---------------------------------|-----|-----------------------|-----|------------------------|------|--|
|  |               | <p>参考第 10-2 表 通信連絡設備用無停電電源の蓄電池耐量時間 (2/3)</p> <table border="1" data-bbox="1346 209 1955 300"> <thead> <tr> <th>無停電電源 6 (端末設備用)<br/>(無停電電源出力: 980W)</th> <th>消費電力</th> <th>合計消費電力</th> <th>蓄電池容量</th> <th>充電地耐量時間</th> </tr> </thead> <tbody> <tr> <td>統合原子力防災ネットワークを用いた通信連絡設備<br/>IP-FAX (地上系) ※1</td> <td>72W</td> <td>72W</td> <td>408Wh</td> <td>2 時間以上</td> </tr> </tbody> </table> <p>※ 1 : FAX は送信時に必要な消費電力にて算出している。</p> <table border="1" data-bbox="1346 336 1955 427"> <thead> <tr> <th>無停電電源 7 (端末設備用)<br/>(無停電電源出力: 1,200W)</th> <th>消費電力</th> <th>合計消費電力</th> <th>蓄電池容量</th> <th>充電地耐量時間</th> </tr> </thead> <tbody> <tr> <td>社内テレビ会議システム<br/>社内テレビ会議システム</td> <td>231W</td> <td rowspan="2">454W</td> <td rowspan="2">432Wh</td> <td rowspan="2">約 1 時間</td> </tr> <tr> <td>社内テレビ会議用音響設備</td> <td>223W</td> </tr> </tbody> </table> <table border="1" data-bbox="1346 448 1955 655"> <thead> <tr> <th>無停電電源 8 (端末設備用)<br/>(無停電電源出力: 1,200W)</th> <th>消費電力</th> <th>合計消費電力</th> <th>蓄電池容量</th> <th>充電地耐量時間</th> </tr> </thead> <tbody> <tr> <td>統合原子力防災ネットワークを用いた通信連絡設備<br/>テレビ会議システム</td> <td>230W</td> <td rowspan="4">538.1W</td> <td rowspan="4">900Wh</td> <td rowspan="4">1 時間以上</td> </tr> <tr> <td>データ伝送設備 (発電所内)<br/>通信機器</td> <td>198W</td> </tr> <tr> <td>社内テレビ会議システム<br/>通信機器</td> <td>20W</td> </tr> <tr> <td>専用電話設備<br/>通信機器</td> <td>11W</td> </tr> </tbody> </table> <table border="1" data-bbox="1346 676 1955 895"> <thead> <tr> <th>無停電電源 9 (端末設備用)<br/>(無停電電源出力: 1,200W)</th> <th>消費電力</th> <th>合計消費電力</th> <th>蓄電池容量</th> <th>充電地耐量時間</th> </tr> </thead> <tbody> <tr> <td>統合原子力防災ネットワークを用いた通信連絡設備<br/>通信機器</td> <td>108.8W</td> <td rowspan="4">350.8W</td> <td rowspan="4">540Wh</td> <td rowspan="4">1 時間以上</td> </tr> <tr> <td>統合原子力防災ネットワークを用いた通信連絡設備<br/>衛星電話</td> <td>30W</td> </tr> <tr> <td>電力保安通信用電話設備<br/>衛星保安電話</td> <td>20W</td> </tr> <tr> <td>データ伝送設備 (発電所内)<br/>通信機器</td> <td>192W</td> </tr> </tbody> </table> <p>※ 1 : FAX は送信時に必要な消費電力にて算出している。</p> | 無停電電源 6 (端末設備用)<br>(無停電電源出力: 980W) | 消費電力    | 合計消費電力 | 蓄電池容量   | 充電地耐量時間                                | 統合原子力防災ネットワークを用いた通信連絡設備<br>IP-FAX (地上系) ※1 | 72W    | 72W                        | 408Wh         | 2 時間以上 | 無停電電源 7 (端末設備用)<br>(無停電電源出力: 1,200W) | 消費電力    | 合計消費電力  | 蓄電池容量 | 充電地耐量時間 | 社内テレビ会議システム<br>社内テレビ会議システム | 231W | 454W | 432Wh | 約 1 時間 | 社内テレビ会議用音響設備 | 223W | 無停電電源 8 (端末設備用)<br>(無停電電源出力: 1,200W) | 消費電力 | 合計消費電力 | 蓄電池容量 | 充電地耐量時間 | 統合原子力防災ネットワークを用いた通信連絡設備<br>テレビ会議システム | 230W | 538.1W | 900Wh | 1 時間以上 | データ伝送設備 (発電所内)<br>通信機器 | 198W | 社内テレビ会議システム<br>通信機器 | 20W | 専用電話設備<br>通信機器 | 11W | 無停電電源 9 (端末設備用)<br>(無停電電源出力: 1,200W) | 消費電力 | 合計消費電力 | 蓄電池容量 | 充電地耐量時間 | 統合原子力防災ネットワークを用いた通信連絡設備<br>通信機器 | 108.8W | 350.8W | 540Wh | 1 時間以上 | 統合原子力防災ネットワークを用いた通信連絡設備<br>衛星電話 | 30W | 電力保安通信用電話設備<br>衛星保安電話 | 20W | データ伝送設備 (発電所内)<br>通信機器 | 192W |  |
| 無停電電源 6 (端末設備用)<br>(無停電電源出力: 980W)         | 消費電力          | 合計消費電力  | 蓄電池容量                              | 充電地耐量時間 |        |         |  |  |        |                            |               |        |                                      |         |         |       |         |                            |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |
| 統合原子力防災ネットワークを用いた通信連絡設備<br>IP-FAX (地上系) ※1 | 72W           | 72W   | 408Wh                              | 2 時間以上  |        |         |  |  |        |                            |               |        |                                      |         |         |       |         |                            |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |
| 無停電電源 7 (端末設備用)<br>(無停電電源出力: 1,200W)       | 消費電力          | 合計消費電力  | 蓄電池容量                              | 充電地耐量時間 |        |         |  |  |        |                            |               |        |                                      |         |         |       |         |                            |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |
| 社内テレビ会議システム<br>社内テレビ会議システム                 | 231W          | 454W  | 432Wh                              | 約 1 時間  |        |         |  |  |        |                            |               |        |                                      |         |         |       |         |                            |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |
| 社内テレビ会議用音響設備                               | 223W          |   |                                    |         |        |         |  |  |        |                            |               |        |                                      |         |         |       |         |                            |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |
| 無停電電源 8 (端末設備用)<br>(無停電電源出力: 1,200W)       | 消費電力          | 合計消費電力  | 蓄電池容量                              | 充電地耐量時間 |        |         |  |  |        |                            |               |        |                                      |         |         |       |         |                            |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |
| 統合原子力防災ネットワークを用いた通信連絡設備<br>テレビ会議システム       | 230W          | 538.1W  | 900Wh                              | 1 時間以上  |        |         |  |  |        |                            |               |        |                                      |         |         |       |         |                            |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |
| データ伝送設備 (発電所内)<br>通信機器                     | 198W          |   |                                    |         |        |         |  |  |        |                            |               |        |                                      |         |         |       |         |                            |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |
| 社内テレビ会議システム<br>通信機器                        | 20W           |   |                                    |         |        |         |  |  |        |                            |               |        |                                      |         |         |       |         |                            |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |
| 専用電話設備<br>通信機器                             | 11W           |   |                                    |         |        |         |  |  |        |                            |               |        |                                      |         |         |       |         |                            |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |
| 無停電電源 9 (端末設備用)<br>(無停電電源出力: 1,200W)       | 消費電力          | 合計消費電力  | 蓄電池容量                              | 充電地耐量時間 |        |         |  |  |        |                            |               |        |                                      |         |         |       |         |                            |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |
| 統合原子力防災ネットワークを用いた通信連絡設備<br>通信機器            | 108.8W        | 350.8W  | 540Wh                              | 1 時間以上  |        |         |  |  |        |                            |               |        |                                      |         |         |       |         |                            |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |
| 統合原子力防災ネットワークを用いた通信連絡設備<br>衛星電話            | 30W           |   |                                    |         |        |         |  |  |        |                            |               |        |                                      |         |         |       |         |                            |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |
| 電力保安通信用電話設備<br>衛星保安電話                      | 20W           |   |                                    |         |        |         |  |  |        |                            |               |        |                                      |         |         |       |         |                            |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |
| データ伝送設備 (発電所内)<br>通信機器                     | 192W          |   |                                    |         |        |         |  |  |        |                            |               |        |                                      |         |         |       |         |                            |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |
|  |               | <p>参考第 10-3 表 通信連絡設備用無停電電源の蓄電池耐量時間 (3/3)</p> <table border="1" data-bbox="1346 991 1955 1066"> <thead> <tr> <th>無停電電源 (充電式電池)</th> <th>消費電力</th> <th>蓄電池容量</th> <th>充電地耐量時間</th> </tr> </thead> <tbody> <tr> <td>衛星電話設備<br/>衛星電話設備 (固定型)<br/>衛星電話設備 (FAX)</td> <td>85W<br/>(送信時)</td> <td>各 83Wh</td> <td>約 1 時間<br/>(カタログ値: 約 1 時間半)</td> </tr> </tbody> </table> <p>※衛星電話設備 (FAX) は端末設備を除く</p> <table border="1" data-bbox="1346 1114 1955 1150"> <thead> <tr> <th>無停電電源 (充電式電池)</th> <th>消費電力</th> <th>蓄電池容量</th> <th>充電地耐量時間</th> </tr> </thead> <tbody> <tr> <td>データ表示端末</td> <td>85W</td> <td>80Wh</td> <td>約 1 時間</td> </tr> </tbody> </table>   | 無停電電源 (充電式電池)                      | 消費電力    | 蓄電池容量  | 充電地耐量時間 | 衛星電話設備<br>衛星電話設備 (固定型)<br>衛星電話設備 (FAX) | 85W<br>(送信時)                               | 各 83Wh | 約 1 時間<br>(カタログ値: 約 1 時間半) | 無停電電源 (充電式電池) | 消費電力   | 蓄電池容量                                | 充電地耐量時間 | データ表示端末 | 85W   | 80Wh    | 約 1 時間                     |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |
| 無停電電源 (充電式電池)                              | 消費電力          | 蓄電池容量   | 充電地耐量時間                            |         |        |         |  |  |        |                            |               |        |                                      |         |         |       |         |                            |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |
| 衛星電話設備<br>衛星電話設備 (固定型)<br>衛星電話設備 (FAX)     | 85W<br>(送信時)  | 各 83Wh  | 約 1 時間<br>(カタログ値: 約 1 時間半)         |         |        |         |  |  |        |                            |               |        |                                      |         |         |       |         |                            |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |
| 無停電電源 (充電式電池)                              | 消費電力          | 蓄電池容量   | 充電地耐量時間                            |         |        |         |  |  |        |                            |               |        |                                      |         |         |       |         |                            |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |
| データ表示端末                                    | 85W           | 80Wh  | 約 1 時間                             |         |        |         |  |  |        |                            |               |        |                                      |         |         |       |         |                            |      |      |       |        |              |      |                                      |      |        |       |         |                                      |      |        |       |        |                        |      |                     |     |                |     |                                      |      |        |       |         |                                 |        |        |       |        |                                 |     |                       |     |                        |      |  |



赤字：設備、運用又は体制の相違（設計方針の相違）  
青字：記載箇所又は記載内容の相違（記載方針の相違）  
緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3 / 4号炉   |   |          |  |                  |                  |  |
|--|---|----------|--|------------------|------------------|--|
| 【比較のため順番を変更して記載】   |   |          |  |                  |                  |  |
| 参考12. 多様性を確保した通信連絡設備   |   |          |  |                  |                  |  |
| 通信設備（発電所内）は、中央制御室等から人が立ち入る可能性のある原子炉補助建屋、タービン建屋等の建屋内外各所の者への操作、作業の指示を行うことができるよう、多様性を確保した通信設備を設置又は保管している。         |   |          |  |                  |                  |  |
| これらの通信設備は、使用場所の状況に応じて使い分けることができる。また、表21に示すとおり、同一の事象によって、通信手段がなくなることがないように、電源の多様性、通信回線の多様性及び耐震性等についても考慮した設計とする。 |   |          |  |                  |                  |  |
| 表21 多様性を確保した通信連絡設備   |   |          |  |                  |                  |  |
| 使用場所と通信連絡設備  |   | 事象       |  | （○：使用可 X：使用不可）   |                  |  |
| 使用場所 (A)   | 通信連絡設備 (A)  | 使用場所 (B) | 通信連絡設備 (B)                                 | 全交流動力電圧喪失        | 基準地震動 Se         | 通信ケーブル断絶 (発電所内)                              |
| 中央制御室  | 保安電話(固定)<br>保安電話(携帯)<br>運転指令設備<br>携行型連絡装置             | 現場(屋内)   | 保安電話(固定)<br>保安電話(携帯)<br>運転指令設備<br>携行型連絡装置  | X<br>X<br>○<br>○ | X<br>X<br>○<br>○ | X<br>X<br>○ <sup>※1</sup><br>○               |
| 中央制御室  | 保安電話(固定)<br>保安電話(携帯)<br>運転指令設備<br>携行型連絡装置<br>衛星電話(固定) | 現場(屋外)   | 保安電話(携帯)<br>運転指令設備<br>携行型連絡装置<br>衛星電話(携帯)  | X<br>X<br>○<br>○ | X<br>X<br>○<br>○ | X<br>X<br>○ <sup>※1</sup><br>○ <sup>※2</sup> |
| 中央制御室  | 保安電話(固定)<br>保安電話(携帯)<br>運転指令設備<br>衛星電話(固定)            | 緊急時対策所   | 保安電話(固定)<br>保安電話(携帯)<br>運転指令設備<br>衛星電話(固定) | X<br>X<br>○<br>○ | X<br>X<br>○<br>○ | X<br>X<br>○ <sup>※1</sup><br>○               |
| 現場(屋内)   | 保安電話(固定)<br>保安電話(携帯)<br>運転指令設備<br>携行型連絡装置             | 現場(屋内)   | 保安電話(固定)<br>保安電話(携帯)<br>運転指令設備<br>携行型連絡装置  | X<br>X<br>○<br>○ | X<br>X<br>○<br>○ | X<br>X<br>○ <sup>※1</sup><br>○               |
| 現場(屋外)   | 保安電話(携帯)<br>運転指令設備<br>トランシーバー<br>衛星電話(携帯)             | 現場(屋外)   | 保安電話(携帯)<br>運転指令設備<br>トランシーバー<br>衛星電話(携帯)  | X<br>X<br>○<br>○ | X<br>X<br>○<br>○ | X<br>X<br>○ <sup>※2</sup><br>○               |
| 緊急時対策所   | 保安電話(固定)<br>保安電話(携帯)<br>運転指令設備<br>携行型連絡装置             | 現場(屋内)   | 保安電話(固定)<br>保安電話(携帯)<br>運転指令設備<br>携行型連絡装置  | X<br>X<br>○<br>○ | X<br>X<br>○<br>○ | X<br>X<br>○ <sup>※1</sup><br>○               |
| 緊急時対策所   | 保安電話(固定)<br>保安電話(携帯)<br>運転指令設備<br>衛星電話(固定)            | 現場(屋外)   | 保安電話(携帯)<br>運転指令設備<br>衛星電話(固定)             | X<br>X<br>○<br>○ | X<br>X<br>○<br>○ | X<br>X<br>○ <sup>※2</sup><br>○               |

| 女川原子力発電所2号炉   |       |   |   |                                    |                                    |
|---|-------|---|---|------------------------------------|------------------------------------|
| 参考11 多様性を確保した通信回線の容量について  |       |   |   |                                    |                                    |
| 発電所外との通信連絡設備及びデータ伝送設備が接続する多様性を確保した通信回線は、参考第11.1-1表に示すとおり、必要回線容量を確保した回線容量を有している。 |       |   |   |                                    |                                    |
| 参考第11.1-1表 多様性を確保した通信回線の回線容量  |       |   |   |                                    |                                    |
| 通信回線種別  | 主要設備  | 必要回線容量 <sup>※1</sup>  |   | 回線容量                               | 備考                                 |
|   |       | 主要設備  | その他 <sup>※2</sup>                                       |                                    |                                    |
| 電力保安通信回線  | 有線系回線 | 電力保安通信用電話設備 <sup>※1</sup><br>(固定電話機、FAX、FAX)<br>社内テレビ会議システム           | 2.3Mbps<br>10Mbps                                       | 313Mbps<br>326Mbps                 | 609Mbps                            |
|   | 無線系回線 | 電力保安通信用電話設備 <sup>※1</sup><br>(固定電話機、FAX、FAX)<br>データ伝送設備<br>(SPDS伝送装置) | 1.6Mbps<br>84kbps                                       | 10Mbps                             | 12Mbps<br>52Mbps                   |
| 通信事業者回線   | 有線系回線 | 加入電話設備<br>加入FAX<br>電力保安通信用電話設備接続                                      | 5回線<br>4回線<br>5回線                                       | 5回線<br>4回線<br>5回線                  | 5回線<br>4回線<br>5回線                  |
|   | 無線系回線 | 加入電話設備<br>加入FAX<br>電力保安通信用電話設備接続<br>衛星電話設備(固定型)<br>衛星電話設備(携帯型)        | 15回線<br>8回線<br>18回線<br>4回線<br>10回線                      | 15回線<br>8回線<br>18回線<br>4回線<br>10回線 | 15回線<br>8回線<br>18回線<br>4回線<br>10回線 |
| 電力保安通信回線  | 有線系回線 | 電力保安通信用電話設備<br>衛星電話設備(固定型)<br>衛星電話設備(携帯型)<br>社内テレビ会議システム              | 2.3Mbps<br>10Mbps<br>12Mbps                             | 169Mbps<br>206Mbps                 | 206Mbps                            |
|   | 無線系回線 | 電力保安通信用電話設備<br>衛星電話設備(固定型)<br>衛星電話設備(携帯型)<br>社内テレビ会議システム              | 84kbps<br>84kbps  | 84kbps                             | 129Mbps                            |
| 通信事業者回線   | 有線系回線 | 総合原子力防災ネットワークを用いた通信連絡設備<br>テレビ会議システム                                  | 1P-電話<br>IP-FAX<br>(4.5Mbps)                            | 2.3Mbps                            | 5Mbps                              |
|   | 無線系回線 | 電力保安通信用電話設備<br>衛星電話設備(固定型)<br>衛星電話設備(携帯型)<br>社内テレビ会議システム              | 84kbps<br>210Mbps<br>232Mbps<br>(0.8Mbps)<br>(1.28Mbps) | 294Mbps                            | 384Mbps                            |

各容量については、今後の詳細設計により、変更となる可能性がある。  
 ※1：基地加入電話設備に接続されており、通信事業者回線を経由して発電所外への連絡も可能  
 ※2：( ) は内訳を示す。  
 ※3：その他容量は、実用データも含まれていることから、小さな変動の可能性がある。


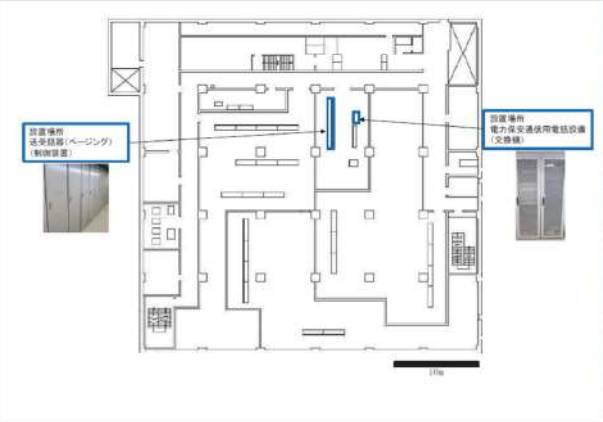
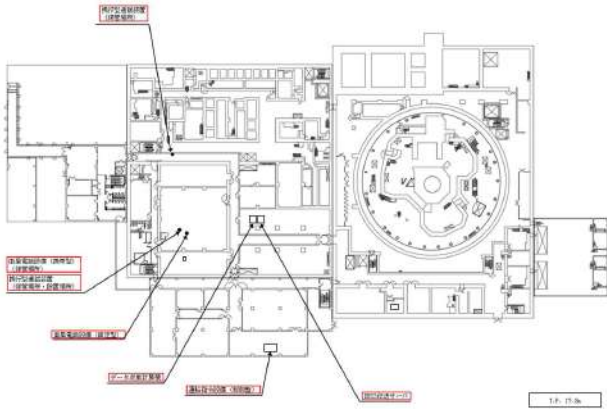


| 泊発電所3号炉   |       |  |   |   |                                   |
|---|-------|--|---|---|-----------------------------------|
| 参考11 多様性を確保した通信回線の容量について  |       |  |   |   |                                   |
| 発電所外との通信連絡設備及びデータ伝送設備が接続する多様性を確保した通信回線は、参考第11-1表に示すとおり、必要回線容量を確保した回線容量を有している。 |       |  |   |   |                                   |
| 参考第11-1表 多様性を確保した通信回線の回線容量  |       |  |   |   |                                   |
| 通信回線種別  | 主要設備  | 必要回線容量   |   | 回線容量  | 備考                                |
|   |       | 主要設備   | その他 <sup>※2</sup>                                       |   |                                   |
| 電力保安通信回線  | 有線系回線 | 電力保安通信用電話設備 <sup>※1</sup><br>(固定電話、FAX)<br>データ伝送設備(発電所外)       | (64kbps)<br>(64kbps)<br>(64kbps)                        | 64kbps × 12回線<br>=768kbps                     | 600Mbps                           |
|   | 無線系回線 | 電力保安通信用電話設備 <sup>※1</sup><br>データ伝送設備(発電所外)<br>社内テレビ会議システム      | (64kbps)<br>(64kbps)<br>(64kbps)                        | 64kbps × 12回線<br>=768kbps<br>4.4kbps<br>0Mbps | 206Mbps                           |
| 通信事業者回線   | 有線系回線 | 加入電話設備<br>加入FAX<br>電力保安通信用電話設備接続<br>衛星電話設備(固定型)<br>衛星電話設備(携帯型) | 2回線<br>1回線<br>1回線<br>10回線<br>7回線                        | 2回線<br>1回線<br>1回線<br>10回線<br>7回線              | 3回線<br>1回線<br>1回線<br>10回線<br>10回線 |
|   | 無線系回線 | 加入電話設備<br>加入FAX<br>電力保安通信用電話設備接続<br>衛星電話設備(固定型)<br>衛星電話設備(携帯型) | 1回線<br>1回線<br>1回線<br>10回線<br>7回線                        | 1回線<br>1回線<br>1回線<br>10回線<br>7回線              | 1回線<br>1回線<br>1回線<br>10回線<br>10回線 |
| 電力保安通信回線  | 有線系回線 | 電力保安通信用電話設備<br>衛星電話設備(固定型)<br>衛星電話設備(携帯型)<br>社内テレビ会議システム       | 2.3Mbps<br>10Mbps<br>12Mbps                             | 169Mbps<br>206Mbps                            | 206Mbps                           |
|   | 無線系回線 | 電力保安通信用電話設備<br>衛星電話設備(固定型)<br>衛星電話設備(携帯型)<br>社内テレビ会議システム       | 84kbps<br>84kbps  | 84kbps  | 129Mbps                           |
| 通信事業者回線   | 有線系回線 | 総合原子力防災ネットワークを用いた通信連絡設備<br>テレビ会議システム                           | 1P-電話<br>IP-FAX<br>(4.5Mbps)                            | 2.3Mbps                                       | 5Mbps                             |
|   | 無線系回線 | 電力保安通信用電話設備<br>衛星電話設備(固定型)<br>衛星電話設備(携帯型)<br>社内テレビ会議システム       | 84kbps<br>210Mbps<br>232Mbps<br>(0.8Mbps)<br>(1.28Mbps) | 294Mbps                                       | 384Mbps                           |

各容量については、今後の詳細設計により、変更となる可能性がある。  
 ※1：基地加入電話設備に接続されており、通信事業者回線を経由して発電所外への連絡も可能  
 ※2：( ) は内訳を示す。  
 ※3：帯域優先度が低いため、5Mbps までの空き帯域で通信する。


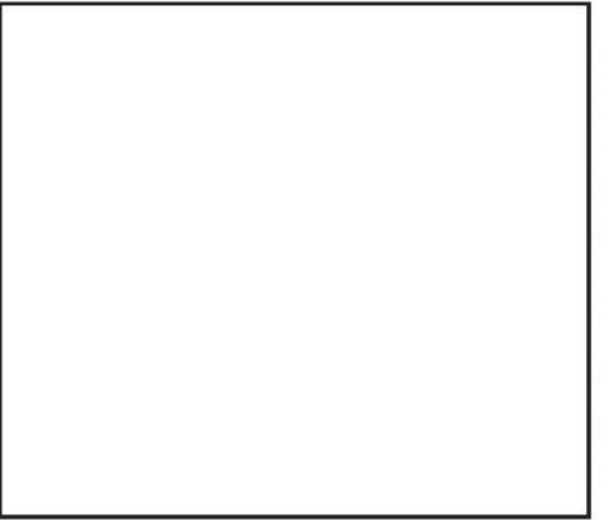
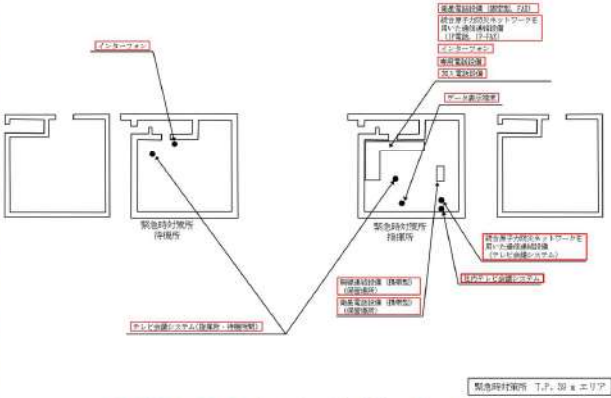
【大飯】記載方針の相違  
 (女川審査実績の反映)  
 ・大飯は想定事象別に通信連絡設備の使用可否を整理しているが、泊は通信連絡設備に応じた通信回線の能力を用いて通信可否を判断している。



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3/4号炉 | 女川原子力発電所2号炉   | 泊発電所3号炉   | 相違理由               |
|------------|---|---|--------------------|
|            | <p>参考12 主要な通信連絡設備の配置について</p>  <p>参考第12.1-1図 主要な通信連絡設備の配置図<br/>             (制御建屋地上3階 中央制御室及びプロセス計算機室)</p>  <p>参考第12.1-2図 主要な通信連絡設備の配置図<br/>             (制御建屋地上2階 通信機械室)</p> | <p>参考12 主要な通信連絡設備の配置について</p>  <p>参考第12-1図 主要な通信連絡設備の配置図<br/>             (原子炉補助建屋 T.P 17.8m)</p>  <p>参考第12-2図 主要な通信連絡設備の配置図<br/>             (総合管理事務所 6階)</p>  <p>参考第12-3図 主要な通信連絡設備の配置図<br/>             (管理事務所 3階)</p> | <p>【女川】建屋設計の相違</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

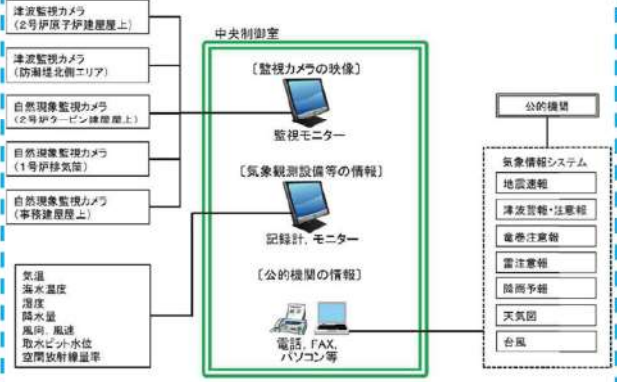
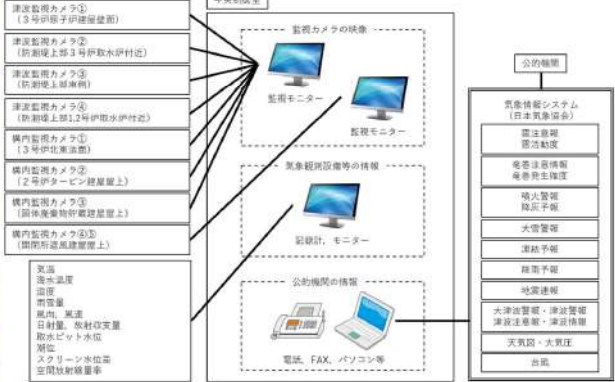
| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉   | 相違理由               |
|----------------|--|---|--------------------|
|                |  <p>参考第 12.1-3 図 主要な通信連絡設備の配置図<br/>                 (緊急時対策建屋地下 2 階)</p> <p>枠囲みの内容は商業機密の観点から公開できません。</p>  <p>参考第 12.1-4 図 主要な通信連絡設備の配置図<br/>                 (緊急時対策建屋地上 1 階)</p> <p>枠囲みの内容は商業機密の観点から公開できません。</p> |  <p>参考第 12-4 図 主要な通信連絡設備の配置図<br/>                 (緊急時対策所)</p> | <p>【女川】建屋設計の相違</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉   | 女川原子力発電所 2 号炉   | 泊発電所 3 号炉   | 相違理由   |
|--|---|---|--|
| <p><b>【比較のため再掲】</b></p> <p>なお、協力を会社を含めた通信連絡の整理については、以下のとおり。</p> <p>＜協力を会社を含めた通信連絡の整理＞</p> <p>発電所の運営にあたっては、普段より当社と協力を会社が一体となって運営してきており、協力を会社においてもマイプラント意識に根ざした同様の価値観を持って取り組んでいただいているところである。</p> <p>従って、事故等が発生した際においても、協力を会社と事前に覚書を結んでおり、その中で当社からの要請を受けるための連絡体制を構築していただき、設備所管箇所から設備の修理・復旧活動への協力を要請を行い、一体となって対応しているところである。</p> <p>重大事故発生時も同様の観点で協力を会社も含めた体制で対応することとしており、事故発生当初の緊急時対応においては発電所内の緊急時対策本部要員、中央制御室要員、緊急安全対策要員（協力を会社含む）、および召集要員（社員）にて対応可能なように体制を整えている。</p> <p>設備の修理・復旧活動等といった緊急時対応以降の事故対応においても、事故の状況に応じて協力を会社と一体となり必要な体制を整備し、事故対応を計画・実施することとしている。</p> | <p>参考 13 協力を会社との通信連絡</p> <p>重大事故等時におけるプラントメーカー及び協力を会社からの支援については、協定を締結する等して、事故発生後に必要な支援を受けられる体制を確立しており、緊急時対策所内に設置する衛星電話設備（固定型）等を使用し、支援を要請する。</p> <p>○プラントメーカーによる支援</p> <p>重大事故等時における当社が実施する事故収拾活動を円滑に実施するため、プラント状況に応じた事故収束手段及び復旧対策に関する技術支援を迅速に得られるようプラントメーカーとの間で支援体制を整備する。</p> <p>なお、支援が必要な場合は、緊急時対策所の発電所対策本部要員から衛星電話設備（固定型）等により直接又は本店を経由してプラントメーカーに支援を要請する。</p> <p>○協力を会社による支援</p> <p>重大事故等時における当社が実施する事故収拾活動を円滑に実施するため、事故収束及び復旧対策活動の協力が得られるよう協力を会社との間で支援体制を整備する。</p> <p>なお、支援が必要な場合は、緊急時対策所の発電所対策本部要員から、衛星電話設備（固定型）等により直接又は本店を経由して協力を会社に支援を要請する。</p> | <p>参考 13 協力を会社との通信連絡</p> <p>重大事故等時におけるプラントメーカー及び協力を会社からの支援については、協定を締結する等して、事故発生後に必要な支援を受けられる体制を確立しており、緊急時対策所内に設置する衛星電話設備（固定型）等を使用し、支援を要請する。</p> <p>○プラントメーカーによる支援</p> <p>重大事故等時における当社が実施する事故収拾活動を円滑に実施するため、プラント状況に応じた事故収束手段及び復旧対策に関する技術支援を迅速に得られるようプラントメーカーとの間で支援体制を整備する。</p> <p>なお、支援が必要な場合は、緊急時対策所の発電所対策本部要員から衛星電話設備（固定型）等により直接又は本店を経由してプラントメーカーに支援を要請する。</p> <p>○協力を会社による支援</p> <p>重大事故等時における当社が実施する事故収拾活動を円滑に実施するため、事故収束及び復旧対策活動の協力が得られるよう協力を会社との間で支援体制を整備する。</p> <p>なお、支援が必要な場合は、緊急時対策所の発電所対策本部要員から、衛星電話設備（固定型）等により直接又は本店を経由して協力を会社に支援を要請する。</p> | <p>【大飯】記載方針の相違（女川審査実績の反映）<br/>             ・大飯は参考 2 に記載</p> <p>【大飯】記載方針の相違（女川審査実績の反映）<br/>             ・大飯では、基本スタンスを記載しその体制を記載している</p> <p>【大飯】記載方針の相違（女川審査実績の反映）<br/>             ・泊では、支援を要請するプラントメーカー及び協力を会社による支援体制から、使用する通信連絡設備を記載している</p> |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

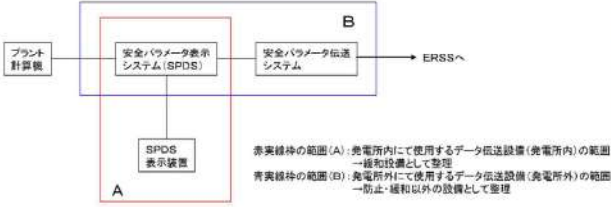
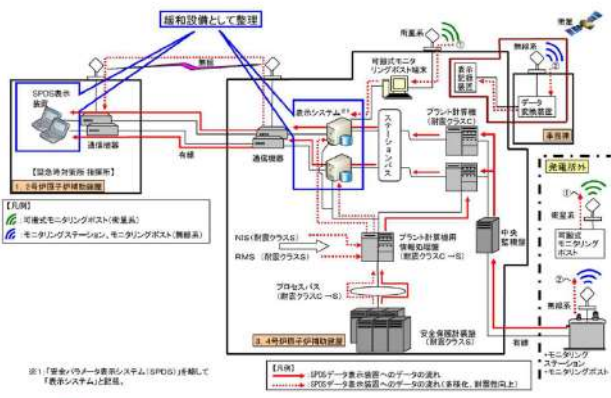
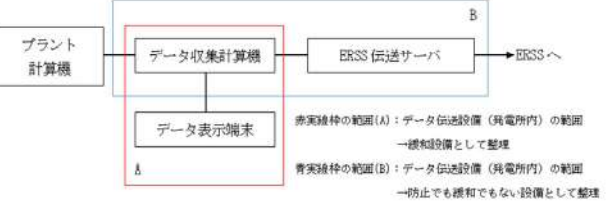
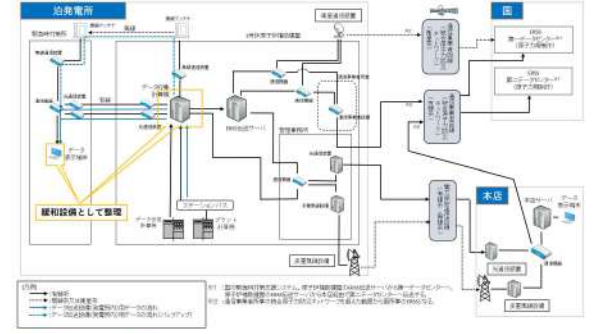
| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉  | 相違理由                                  |
|----------------|--|--|---------------------------------------|
|                | <p>参考 14 公的機関等の情報を入手するための設備</p> <p>気象情報・注意報等について、中央制御室に設置する電話、FAX 等に加えて、中央制御室内の運転員が使用するパソコンにより、社内ネットワークシステムやインターネットの公的機関等のホームページを介して情報を入手することが可能である。</p> <p>注意報等が発表された場合は、社内ネットワークシステムより自動通知が行われ、リアルタイムで発表された気象情報の内容を確認することができる。</p> <p>自動通知による主な情報として、地震情報については、東北地区で震度 1 以上の地震が発生した場合、地震の発生日時・震源地・震源の深さ・地震の規模を、津波情報については、東北地区沿岸に津波注意報等が発令された場合、発表時刻・予報区名・第 1 波の到達予想時刻・予想される波の高さを入手することが可能である。</p> <p>なお、本設備については、プラントの運転制御に必要な回線と独立した構成としている。</p>  <p>参考第 14-1 図 中央制御室における外部状況把握のイメージ</p> | <p>参考 14 公的機関等の情報を入手するための設備</p> <p>気象情報・注意報等について、中央制御室に設置する電話、FAX 等に加えて、中央制御室内の運転員が使用するパソコンにより、社内ネットワークシステムやインターネットの公的機関等のホームページを介して情報を入手することが可能である。</p> <p>注意報等が発表された場合は、社内ネットワークシステムより自動通知が行われ、リアルタイムで発表された気象情報の内容を確認することができる。</p> <p>自動通知による主な情報として、地震情報については、北海道全域で震度 1 以上の地震が発生した場合、地震の発生日時・震源地・震源の深さ・地震の規模を、津波情報については、北海道日本海南部に津波注意報等が発令された場合、発表時刻・予報区名・第 1 波の到達予想時刻・予想される波の高さを入手することが可能である。</p> <p>なお、本設備については、プラントの運転制御に必要な回線と独立した構成としている。</p>  <p>参考第 14-1 図 中央制御室における外部状況把握のイメージ</p> | <p>【女川】観測地区の相違</p> <p>【女川】観測地区の相違</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大阪発電所3 / 4号炉  | 女川原子力発電所2号炉                                   | 泊発電所3号炉                                       | 相違理由   |                                |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
|---|---|---|--|--------------------------------|--------------------------------|--------|---|----------------|--------|--|----------|-----------------|----------------|--------|--|-------------|----------|----------------|------|--------------------------------|----------|----------------|------|--------------------------------|--------|-----------------|----------------|------|--|------|----|----------------|------|--|----|-----------------|----------------|--------|--|----|-----------------|----------------|--------|--|---------|-----------------|----------------|--------|--|---------|---------|-----------------|----------------|--------|--|-----------|-----------------|----------------|--------|--|---------|-----------------|----------------|--------|--|------|---|----------------|------|--------------------------------|------|---|----------------|------|--------------------------------|------------|---|----------------|------|--------------------------------|--------|-----------------|--------------------------|-------------------|--------------------------------|----------|---|--------------|--------|--------------------------------|--------------------------|----------|-----------------|----------------|------|--|------|-----------------|----------------|------|--------------------------------|--------|-----------------|--------------|------|--|-------------|-----------------|--------------|------|--|------------------------------------|----------|-----------------|----------------|----------------|--|---------------------|---|----------------|----------------|--|---------------|---|----------------|----------------|--|--|--|--|
| <p>参考10. 設計基準事故対処設備における点検頻度<br/>                     設計基準事故対処設備である通信連絡設備の点検頻度について、表20に記載する。<br/>                     通信連絡設備については、常時使用による異常検知性や、メンテナンス（摩耗による部品の交換や注油等）が不要な電子部品で構成される設備の実態等を鑑み、点検頻度を定めている。</p>  | <p>別添資料にて比較</p>                               | <p>別添資料にて比較</p>                               | <p>【大阪】記載方針の相違<br/>                     （女川審査実績の反映）<br/>                     ・泊は点検項目及び点検頻度について別添資料「泊発電所3号炉 運用、手順説明資料 通信連絡設備 別添第1表」にて記載</p> |                                |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
| <p>表20 通信連絡設備の点検頻度一覧</p>  |   |   |  |                                |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
| <table border="1"> <thead> <tr> <th>主要設備</th> <th>定時使用による異常検知性<sup>※1</sup><br/>(○:検知可能、×:検知不可)</th> <th>点検内容</th> <th>点検頻度</th> <th>備考</th> </tr> </thead> <tbody> <tr> <td>運転指令設備</td> <td>○</td> <td>外観点検<br/>通信連絡確認</td> <td>1回/0ヶ月</td> <td></td> </tr> <tr> <td>事故一斉放送装置</td> <td>×<sup>※2</sup></td> <td>外観点検<br/>通信連絡確認</td> <td>1回/0ヶ月</td> <td></td> </tr> <tr> <td rowspan="3">電力保安通信用電話設備</td> <td>保安電話(固定)</td> <td>外観点検<br/>通信連絡確認</td> <td>1回/年</td> <td>緊急時対策所の機能に係る端末のみ<sup>※1</sup></td> </tr> <tr> <td>保安電話(携帯)</td> <td>外観点検<br/>通信連絡確認</td> <td>1回/年</td> <td>緊急時対策所の機能に係る端末のみ<sup>※1</sup></td> </tr> <tr> <td>非常保安電話</td> <td>×<sup>※2</sup></td> <td>外観点検<br/>通信連絡確認</td> <td>1回/年</td> <td></td> </tr> <tr> <td rowspan="3">作業電話</td> <td>固定</td> <td>外観点検<br/>通信連絡確認</td> <td>1回/月</td> <td></td> </tr> <tr> <td>携帯</td> <td>×<sup>※2</sup></td> <td>外観点検<br/>通信連絡確認</td> <td>1回/3ヶ月</td> <td></td> </tr> <tr> <td>可搬</td> <td>×<sup>※2</sup></td> <td>外観点検<br/>通信連絡確認</td> <td>1回/3ヶ月</td> <td></td> </tr> <tr> <td>トランシーバー</td> <td>×<sup>※2</sup></td> <td>外観点検<br/>通信連絡確認</td> <td>1回/3ヶ月</td> <td></td> </tr> <tr> <td rowspan="2">機内型通話装置</td> <td>携行型通話装置</td> <td>×<sup>※2</sup></td> <td>外観点検<br/>通信連絡確認</td> <td>1回/3ヶ月</td> <td></td> </tr> <tr> <td>通話装置用ケーブル</td> <td>×<sup>※2</sup></td> <td>外観点検<br/>通信連絡確認</td> <td>1回/3ヶ月</td> <td></td> </tr> <tr> <td>インターフォン</td> <td>×<sup>※2</sup></td> <td>外観点検<br/>通信連絡確認</td> <td>1回/3ヶ月</td> <td></td> </tr> <tr> <td>加入電話</td> <td>○</td> <td>外観点検<br/>通信連絡確認</td> <td>1回/年</td> <td>緊急時対策所の機能に係る端末のみ<sup>※1</sup></td> </tr> <tr> <td>携帯電話</td> <td>○</td> <td>外観点検<br/>通信連絡確認</td> <td>1回/年</td> <td>緊急時対策所の機能に係る端末のみ<sup>※1</sup></td> </tr> <tr> <td>社内TV会議システム</td> <td>○</td> <td>外観点検<br/>通信連絡確認</td> <td>1回/年</td> <td>緊急時対策所の機能に係る端末のみ<sup>※1</sup></td> </tr> <tr> <td>無線通話装置</td> <td>×<sup>※2</sup></td> <td>外観点検<br/>通信連絡確認<br/>(定期点検)</td> <td>1回/3ヶ月<br/>(1回/5年)</td> <td>緊急時対策所の機能に係る端末のみ<sup>※1</sup></td> </tr> <tr> <td>加入ファクシミリ</td> <td>○</td> <td>外観点検<br/>通信確認</td> <td>1回/0ヶ月</td> <td>緊急時対策所の機能に係る端末のみ<sup>※1</sup></td> </tr> <tr> <td rowspan="3">総合原子力防災ネットワークに接続する通信連絡設備</td> <td>TV会議システム</td> <td>×<sup>※2</sup></td> <td>外観点検<br/>通信連絡確認</td> <td>1回/月</td> <td></td> </tr> <tr> <td>IP電話</td> <td>×<sup>※2</sup></td> <td>外観点検<br/>通信連絡確認</td> <td>1回/月</td> <td>緊急時対策所の機能に係る端末のみ<sup>※1</sup></td> </tr> <tr> <td>IP-FAX</td> <td>×<sup>※2</sup></td> <td>外観点検<br/>通信確認</td> <td>1回/月</td> <td></td> </tr> <tr> <td>緊急時衛星通信システム</td> <td>×<sup>※2</sup></td> <td>外観点検<br/>通信確認</td> <td>1回/月</td> <td></td> </tr> <tr> <td rowspan="3">緊急時対策支援システム(ERSIS)等へ必要なデータを伝送できる設備</td> <td>SPDS表示装置</td> <td>×<sup>※2</sup></td> <td>外観点検<br/>(機能試験)</td> <td>1回/月<br/>(1回/年)</td> <td></td> </tr> <tr> <td>安全カメラ映像表示システム(SPDS)</td> <td>○</td> <td>外観点検<br/>(機能試験)</td> <td>1回/月<br/>(1回/年)</td> <td></td> </tr> <tr> <td>安全カメラ映像伝送システム</td> <td>○</td> <td>外観点検<br/>(機能試験)</td> <td>1回/月<br/>(1回/年)</td> <td></td> </tr> </tbody> </table> | 主要設備  | 定時使用による異常検知性 <sup>※1</sup><br>(○:検知可能、×:検知不可) | 点検内容   | 点検頻度                           | 備考                             | 運転指令設備 | ○ | 外観点検<br>通信連絡確認 | 1回/0ヶ月 |  | 事故一斉放送装置 | × <sup>※2</sup> | 外観点検<br>通信連絡確認 | 1回/0ヶ月 |  | 電力保安通信用電話設備 | 保安電話(固定) | 外観点検<br>通信連絡確認 | 1回/年 | 緊急時対策所の機能に係る端末のみ <sup>※1</sup> | 保安電話(携帯) | 外観点検<br>通信連絡確認 | 1回/年 | 緊急時対策所の機能に係る端末のみ <sup>※1</sup> | 非常保安電話 | × <sup>※2</sup> | 外観点検<br>通信連絡確認 | 1回/年 |  | 作業電話 | 固定 | 外観点検<br>通信連絡確認 | 1回/月 |  | 携帯 | × <sup>※2</sup> | 外観点検<br>通信連絡確認 | 1回/3ヶ月 |  | 可搬 | × <sup>※2</sup> | 外観点検<br>通信連絡確認 | 1回/3ヶ月 |  | トランシーバー | × <sup>※2</sup> | 外観点検<br>通信連絡確認 | 1回/3ヶ月 |  | 機内型通話装置 | 携行型通話装置 | × <sup>※2</sup> | 外観点検<br>通信連絡確認 | 1回/3ヶ月 |  | 通話装置用ケーブル | × <sup>※2</sup> | 外観点検<br>通信連絡確認 | 1回/3ヶ月 |  | インターフォン | × <sup>※2</sup> | 外観点検<br>通信連絡確認 | 1回/3ヶ月 |  | 加入電話 | ○ | 外観点検<br>通信連絡確認 | 1回/年 | 緊急時対策所の機能に係る端末のみ <sup>※1</sup> | 携帯電話 | ○ | 外観点検<br>通信連絡確認 | 1回/年 | 緊急時対策所の機能に係る端末のみ <sup>※1</sup> | 社内TV会議システム | ○ | 外観点検<br>通信連絡確認 | 1回/年 | 緊急時対策所の機能に係る端末のみ <sup>※1</sup> | 無線通話装置 | × <sup>※2</sup> | 外観点検<br>通信連絡確認<br>(定期点検) | 1回/3ヶ月<br>(1回/5年) | 緊急時対策所の機能に係る端末のみ <sup>※1</sup> | 加入ファクシミリ | ○ | 外観点検<br>通信確認 | 1回/0ヶ月 | 緊急時対策所の機能に係る端末のみ <sup>※1</sup> | 総合原子力防災ネットワークに接続する通信連絡設備 | TV会議システム | × <sup>※2</sup> | 外観点検<br>通信連絡確認 | 1回/月 |  | IP電話 | × <sup>※2</sup> | 外観点検<br>通信連絡確認 | 1回/月 | 緊急時対策所の機能に係る端末のみ <sup>※1</sup> | IP-FAX | × <sup>※2</sup> | 外観点検<br>通信確認 | 1回/月 |  | 緊急時衛星通信システム | × <sup>※2</sup> | 外観点検<br>通信確認 | 1回/月 |  | 緊急時対策支援システム(ERSIS)等へ必要なデータを伝送できる設備 | SPDS表示装置 | × <sup>※2</sup> | 外観点検<br>(機能試験) | 1回/月<br>(1回/年) |  | 安全カメラ映像表示システム(SPDS) | ○ | 外観点検<br>(機能試験) | 1回/月<br>(1回/年) |  | 安全カメラ映像伝送システム | ○ | 外観点検<br>(機能試験) | 1回/月<br>(1回/年) |  |  |  |  |
| 主要設備  | 定時使用による異常検知性 <sup>※1</sup><br>(○:検知可能、×:検知不可) | 点検内容  | 点検頻度   | 備考                             |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
| 運転指令設備  | ○   | 外観点検<br>通信連絡確認                                | 1回/0ヶ月   |                                |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
| 事故一斉放送装置  | × <sup>※2</sup>                               | 外観点検<br>通信連絡確認                                | 1回/0ヶ月   |                                |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
| 電力保安通信用電話設備   | 保安電話(固定)                                      | 外観点検<br>通信連絡確認                                | 1回/年   | 緊急時対策所の機能に係る端末のみ <sup>※1</sup> |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
|   | 保安電話(携帯)                                      | 外観点検<br>通信連絡確認                                | 1回/年   | 緊急時対策所の機能に係る端末のみ <sup>※1</sup> |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
|   | 非常保安電話  | × <sup>※2</sup>                               | 外観点検<br>通信連絡確認   | 1回/年                           |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
| 作業電話  | 固定  | 外観点検<br>通信連絡確認                                | 1回/月   |                                |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
|   | 携帯  | × <sup>※2</sup>                               | 外観点検<br>通信連絡確認   | 1回/3ヶ月                         |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
|   | 可搬  | × <sup>※2</sup>                               | 外観点検<br>通信連絡確認   | 1回/3ヶ月                         |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
| トランシーバー   | × <sup>※2</sup>                               | 外観点検<br>通信連絡確認                                | 1回/3ヶ月   |                                |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
| 機内型通話装置   | 携行型通話装置                                       | × <sup>※2</sup>                               | 外観点検<br>通信連絡確認   | 1回/3ヶ月                         |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
|   | 通話装置用ケーブル                                     | × <sup>※2</sup>                               | 外観点検<br>通信連絡確認   | 1回/3ヶ月                         |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
| インターフォン   | × <sup>※2</sup>                               | 外観点検<br>通信連絡確認                                | 1回/3ヶ月   |                                |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
| 加入電話  | ○   | 外観点検<br>通信連絡確認                                | 1回/年   | 緊急時対策所の機能に係る端末のみ <sup>※1</sup> |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
| 携帯電話  | ○   | 外観点検<br>通信連絡確認                                | 1回/年   | 緊急時対策所の機能に係る端末のみ <sup>※1</sup> |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
| 社内TV会議システム  | ○   | 外観点検<br>通信連絡確認                                | 1回/年   | 緊急時対策所の機能に係る端末のみ <sup>※1</sup> |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
| 無線通話装置  | × <sup>※2</sup>                               | 外観点検<br>通信連絡確認<br>(定期点検)                      | 1回/3ヶ月<br>(1回/5年)  | 緊急時対策所の機能に係る端末のみ <sup>※1</sup> |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
| 加入ファクシミリ  | ○   | 外観点検<br>通信確認                                  | 1回/0ヶ月   | 緊急時対策所の機能に係る端末のみ <sup>※1</sup> |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
| 総合原子力防災ネットワークに接続する通信連絡設備  | TV会議システム                                      | × <sup>※2</sup>                               | 外観点検<br>通信連絡確認   | 1回/月                           |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
|   | IP電話  | × <sup>※2</sup>                               | 外観点検<br>通信連絡確認   | 1回/月                           | 緊急時対策所の機能に係る端末のみ <sup>※1</sup> |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
|   | IP-FAX  | × <sup>※2</sup>                               | 外観点検<br>通信確認   | 1回/月                           |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
| 緊急時衛星通信システム   | × <sup>※2</sup>                               | 外観点検<br>通信確認                                  | 1回/月   |                                |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
| 緊急時対策支援システム(ERSIS)等へ必要なデータを伝送できる設備  | SPDS表示装置                                      | × <sup>※2</sup>                               | 外観点検<br>(機能試験)   | 1回/月<br>(1回/年)                 |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
|   | 安全カメラ映像表示システム(SPDS)                           | ○   | 外観点検<br>(機能試験)   | 1回/月<br>(1回/年)                 |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
|   | 安全カメラ映像伝送システム                                 | ○   | 外観点検<br>(機能試験)   | 1回/月<br>(1回/年)                 |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |
| <p>※1: 緊急時対策所に設置している端末、又は防災業務にかかわる社内構内に設置する常備機を対象とする。<br/>                     ※2: 中央制御室等の端末は、通常時から使用しており、通話することで健全性を確認している。<br/>                     ※3: 故障した場合は、予備と取り替えることにより通信連絡が可能である。<br/>                     ※4: 故障した場合は、適切に補修を行う。また、保安電話等による代替が可能である。</p>   |   |   |  |                                |                                |        |   |                |        |  |          |                 |                |        |  |             |          |                |      |                                |          |                |      |                                |        |                 |                |      |  |      |    |                |      |  |    |                 |                |        |  |    |                 |                |        |  |         |                 |                |        |  |         |         |                 |                |        |  |           |                 |                |        |  |         |                 |                |        |  |      |   |                |      |                                |      |   |                |      |                                |            |   |                |      |                                |        |                 |                          |                   |                                |          |   |              |        |                                |                          |          |                 |                |      |  |      |                 |                |      |                                |        |                 |              |      |  |             |                 |              |      |  |                                    |          |                 |                |                |  |                     |   |                |                |  |               |   |                |                |  |  |  |  |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉   | 女川原子力発電所 2 号炉     | 泊発電所 3 号炉   | 相違理由  |
|--|-------------------|---|---|
| <p>参考 1 1. データ伝送設備（発電所内、発電所外）の設備分類</p> <p>緊急時対策所で事故状態等の把握に必要なデータを伝送する設備として、安全パラメータ表示システム（SPDS）及び S PDS 表示装置を設置している。これらの設備は緊急時対策所での機能に必要なため、緩和設備として整理する。</p> <p>緊急時対策支援システム（ERSS）等へ必要なデータを伝送する設備として、安全パラメータ表示システム（SPDS）及び安全パラメータ伝送システムを設置している。</p> <p>これらの設備は緊急時対策所での指揮等の機能に直接関わらないため、防止・緩和以外の設備として整理する。</p> <p>なお、安全パラメータ表示システム（SPDS）は発電所内外のデータ伝送設備を兼ねる。</p> <p>設備分類整理について、概要を図 11～13 に示す。</p>  <p>図 11 データ伝送設備の設備分類概要図</p>  <p>図 12 データ伝送設備（発電所内）の設備分類概要図</p> | <p>（この欄は空白です）</p> | <p>参考 15 データ伝送設備（発電所内、発電所外）の設備分類</p> <p>緊急時対策所で事故状態等の把握に必要な事故時パラメータを伝送する設備として、データ収集計算機及びデータ表示端末を設置している。これらの設備は緊急時対策所での機能に必要なため、緩和設備として整理する。</p> <p>緊急時対策支援システム（ERSS）へ必要なデータを伝送する設備として、データ収集計算機及び ERSS 伝送サーバを設置している。</p> <p>これらの設備は緊急時対策所での指揮等の機能に直接関わらないため、防止でも緩和でもない設備として整理する。</p> <p>なお、データ収集計算機は発電所内外のデータ伝送設備を兼ねる。</p> <p>設備分類整理について、概要を参考第 15-1 図、参考第 15-2 図及び参考第 15-3 図に示す。</p>  <p>参考第 15-1 図 データ伝送設備の概要</p>  <p>参考第 15-2 図 データ伝送設備（発電所内）の設備分類概要図</p> | <p>【女川】記載方針の相違・記載の充実<br/>         （女川に記載がないため、大飯との相違識別）</p> <p>【大飯】表現の相違<br/>         大飯：データ、泊：事故時パラメータ</p> <p>【大飯】記載方針の相違・泊は、伝送先が ERSS しかないことから「等」は記載していない</p> <p>（女川に記載がないため、大飯との相違識別）</p> <p>【大飯】記載表現の相違<br/>         大飯：防止・緩和以外の設備、泊：防止でも緩和でもない設備</p> |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

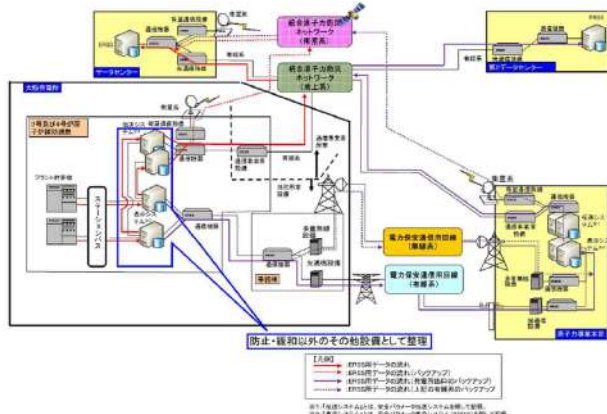
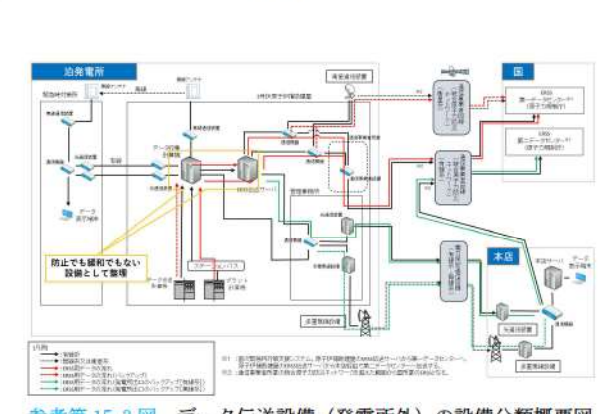
| 大飯発電所 3 / 4 号炉   | 女川原子力発電所 2 号炉 | 泊発電所 3 号炉   | 相違理由 |
|--|---------------|---|------|
|  <p>防止・維持以外のその他設備として整理</p> <p>【凡例】</p> <ul style="list-style-type: none"> <li>赤字：設備、運用又は体制の相違</li> <li>青字：記載箇所又は記載内容の相違</li> <li>緑字：記載表現、設備名称の相違</li> </ul> <p>※1：「相違」を示すのは、安全パターンの相違、システム構成、仕様、運用、運用方針の相違を示す。運用方針の相違は、運用方針の相違を示す。</p> |               |  <p>参考第 15-3 図 データ伝送設備（発電所外）の設備分類概要図</p> |      |

図 13 データ伝送設備（発電所外）の設備分類概要図

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

第62条 通信連絡設備

| 大阪発電所3/4号炉  | 女川原子力発電所2号炉 | 泊発電所3号炉  | 相違理由  |
|---|-------------|--|---|
| <p>参考13. トランシーバーの仕様</p> <p>発電所内の通信連絡設備として、緊急安全対策要員が屋外で相互に通信連絡するためにトランシーバーを使用する。</p> <p>トランシーバーは、デジタル簡易無線局として登録申請したものを、出力5W（1Wへの切替可能）、周波数350MHz帯の無線機を使用する。</p> <p>通話可能範囲は、使用する環境によって異なるが、見通しのよい場所であれば約1km～4km（メーカーカタログ値）であり、発電所内の屋外における通信連絡が可能である。また、通話チャンネルは30チャンネルあり、用途に応じて使い分けることができる。</p> <p>トランシーバーの電源は、付属の充電電池のほかに乾電池で使えるよう、乾電池ケースを準備しており、乾電池を交換することで7日間以上の通話が可能である。</p> |             | <p>参考16 無線連絡設備（携帯型）の仕様</p> <p>発電所内の通信連絡設備として、緊急安全対策要員が屋外で相互に通信連絡するために無線連絡設備（携帯型）を使用する。</p> <p>無線連絡設備（携帯型）は、業務用無線機として免許申請したものと及び特定小電力トランシーバーを用い、出力1Wまたは10mW以下、周波数400MHz帯の無線機を使用する。</p> <p>通話可能範囲は、使用する環境によって異なるが、見通しのよい場所であれば業務用無線機は約3km、特定小電力トランシーバーは約2km（メーカーカタログ値）であり、発電所内の屋外における通信連絡が可能である。また、通話チャンネルは業務用無線機は1チャンネル、特定小電力トランシーバーは20チャンネルあり、用途に応じて使い分けることができる。</p> <p>無線連絡設備（携帯型）の電源は、付属の充電式電池のほかに乾電池を使用することができ、乾電池を交換することで7日間以上の通話が可能である。</p> | <p>【女川】記載方針の相違<br/>                     ・記載の充実</p> <p>【大阪】設計方針の相違<br/>                     ・使用する無線機の通信規格及び機種種の相違<br/>                     周波数及び出力は異なるが、発電所構内の必要箇所では通話できる事を訓練等により確認しており問題ない。</p> <p>【大阪】記載表現の相違<br/>                     大阪：充電電池<br/>                     泊：充電式電池</p> <p>【大阪】設計方針の相違<br/>                     ・無線機の相違により、大阪は乾電池ケースが必要となるが、泊は乾電池ケースを必要としない。</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

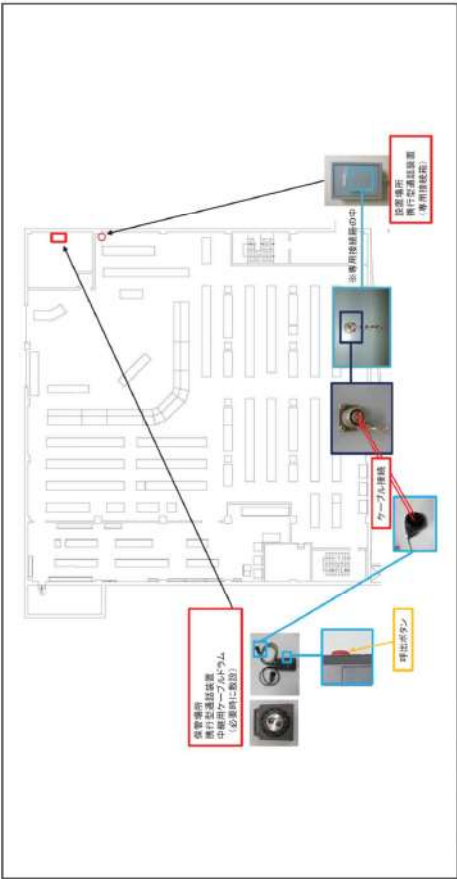
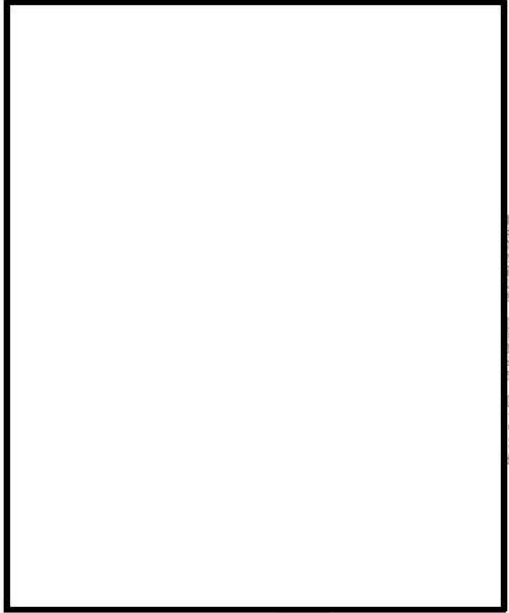
| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉  | 相違理由    |  |      |         |                        |        |  |   |   |   |   |   |   |  |   |   |   |   |   |  |   |   |        |                              |   |   |  |                                 |   |   |   |         |                           |    |    |   |  |
|----------------|--|--|---------|--|------|---------|------------------------|--------|--|---|---|---|---|---|---|--|---|---|---|---|---|--|---|---|--------|------------------------------|---|---|--|---------------------------------|---|---|---|---------|---------------------------|----|----|---|--|
|                |  | <p>参考 17 可搬型重大事故対処設備としている通信連絡設備の予備機保有台数と考え方</p> <p>可搬型の通信連絡設備に対し、それぞれが故障した場合においても使用可能なよう、参考第 17-1 表のとおり、必要台数と同数又は同数以上の数量の予備機を保有する方針とする。</p> <p>参考第 17-1 表 可搬型重大事故等対処設備としている通信連絡設備の予備機保有台数と考え方</p> <table border="1" data-bbox="1346 411 1955 948"> <thead> <tr> <th>主要設備</th> <th>用途</th> <th>必要台数</th> <th>予備機保有台数</th> <th>設備位置や用途に応じた予備機保有台数の考え方</th> </tr> </thead> <tbody> <tr> <td rowspan="5">衛星携帯電話</td> <td>可搬型タンクローリへの燃料汲み上げや、常設及び可搬型重大事故等対処設備への燃料補給を行う現場の発電所災害対策要員と発電所対策本部間の連絡</td> <td>1</td> <td>1</td> <td rowspan="5">設備位置や用途に分けて、1 台故障時でも通信可能とするよう、必要台数と同数を予備機保有台数とする。</td> </tr> <tr> <td>給水準備作業などにおける現場の発電所対策要員と発電所災害対策本部又は中央制御室間の連絡</td> <td>1</td> <td>1</td> </tr> <tr> <td>可搬型モニタリングポスト設置を行う発電所対策要員と発電所災害対策本部間の連絡</td> <td>1</td> <td>1</td> </tr> <tr> <td>放射能観測車によるモニタリングを行う発電所対策要員と発電所災害対策本部間の連絡</td> <td>1</td> <td>1</td> </tr> <tr> <td>ガレキ搬去によるアクセスルート確保を行う発電所対策要員間及び発電所対策本部又は中央制御室間の連絡</td> <td>2</td> <td>2</td> </tr> <tr> <td rowspan="2">トランシーバ</td> <td>給水準備作業などにおける現場の発電所災害対策要員間の連絡</td> <td>4</td> <td>6</td> <td>可搬型大型送水ポンプ車全台（6 台（ポンプ車の必要台数 2 台、予備 4 台））にトランシーバを 2 台ずつ配備して、屋外の現場で使用できる台数としている。</td> </tr> <tr> <td>可搬型タンクローリへの燃料汲み上げを行う発電所対策要員間の連絡</td> <td>2</td> <td>2</td> <td>1 台故障時でも通信可能とするよう 1 台を予備機保有台数としている。（2 人作業、緊急時対策所に配備して、屋外の現場で使用）</td> </tr> <tr> <td>携帯型通信装置</td> <td>現場で操作を行う運転員と中央制御室の運転員間の連絡</td> <td>11</td> <td>13</td> <td>必要台数と同数の予備機保有台数とする。（2 台は保管場所に空きスペースがあるため追加）</td> </tr> </tbody> </table> <p>※ 必要台数、予備機保有台数については、訓練の評価結果などを踏まえ見直すことがある。</p> <p>なお、可搬型重大事故等対処設備ではないが、緊急時対策所において事故状態等の把握や重大事故等の対処に必要な情報を収集できるような、データ伝送設備（発電所内）としてデータ表示端末を緊急時対策所に常設している。データ表示端末 1 台により緊急時対策所において必要となる情報収集機能は確保されるものの、設備の保守や故障等によりその機能が失われることを防ぐため、予備 3 台を含めた全 4 台を常設している。</p> | 主要設備    | 用途   | 必要台数 | 予備機保有台数 | 設備位置や用途に応じた予備機保有台数の考え方 | 衛星携帯電話 | 可搬型タンクローリへの燃料汲み上げや、常設及び可搬型重大事故等対処設備への燃料補給を行う現場の発電所災害対策要員と発電所対策本部間の連絡 | 1 | 1 | 設備位置や用途に分けて、1 台故障時でも通信可能とするよう、必要台数と同数を予備機保有台数とする。 | 給水準備作業などにおける現場の発電所対策要員と発電所災害対策本部又は中央制御室間の連絡 | 1 | 1 | 可搬型モニタリングポスト設置を行う発電所対策要員と発電所災害対策本部間の連絡 | 1 | 1 | 放射能観測車によるモニタリングを行う発電所対策要員と発電所災害対策本部間の連絡 | 1 | 1 | ガレキ搬去によるアクセスルート確保を行う発電所対策要員間及び発電所対策本部又は中央制御室間の連絡 | 2 | 2 | トランシーバ | 給水準備作業などにおける現場の発電所災害対策要員間の連絡 | 4 | 6 | 可搬型大型送水ポンプ車全台（6 台（ポンプ車の必要台数 2 台、予備 4 台））にトランシーバを 2 台ずつ配備して、屋外の現場で使用できる台数としている。 | 可搬型タンクローリへの燃料汲み上げを行う発電所対策要員間の連絡 | 2 | 2 | 1 台故障時でも通信可能とするよう 1 台を予備機保有台数としている。（2 人作業、緊急時対策所に配備して、屋外の現場で使用） | 携帯型通信装置 | 現場で操作を行う運転員と中央制御室の運転員間の連絡 | 11 | 13 | 必要台数と同数の予備機保有台数とする。（2 台は保管場所に空きスペースがあるため追加） | <p>【大飯】【女川】記載方針の相違</p> <ul style="list-style-type: none"> <li>・2016 年度ヒアリングコメントの反映（記載の充実）</li> </ul> <p>SA に係る内容（当ページ）</p> |
| 主要設備           | 用途   | 必要台数   | 予備機保有台数 | 設備位置や用途に応じた予備機保有台数の考え方   |      |         |                        |        |  |   |   |   |   |   |   |  |   |   |   |   |   |  |   |   |        |                              |   |   |  |                                 |   |   |   |         |                           |    |    |   |  |
| 衛星携帯電話         | 可搬型タンクローリへの燃料汲み上げや、常設及び可搬型重大事故等対処設備への燃料補給を行う現場の発電所災害対策要員と発電所対策本部間の連絡 | 1  | 1       | 設備位置や用途に分けて、1 台故障時でも通信可能とするよう、必要台数と同数を予備機保有台数とする。                              |      |         |                        |        |  |   |   |   |   |   |   |  |   |   |   |   |   |  |   |   |        |                              |   |   |  |                                 |   |   |   |         |                           |    |    |   |  |
|                | 給水準備作業などにおける現場の発電所対策要員と発電所災害対策本部又は中央制御室間の連絡                          | 1  | 1       |  |      |         |                        |        |  |   |   |   |   |   |   |  |   |   |   |   |   |  |   |   |        |                              |   |   |  |                                 |   |   |   |         |                           |    |    |   |  |
|                | 可搬型モニタリングポスト設置を行う発電所対策要員と発電所災害対策本部間の連絡                               | 1  | 1       |  |      |         |                        |        |  |   |   |   |   |   |   |  |   |   |   |   |   |  |   |   |        |                              |   |   |  |                                 |   |   |   |         |                           |    |    |   |  |
|                | 放射能観測車によるモニタリングを行う発電所対策要員と発電所災害対策本部間の連絡                              | 1  | 1       |  |      |         |                        |        |  |   |   |   |   |   |   |  |   |   |   |   |   |  |   |   |        |                              |   |   |  |                                 |   |   |   |         |                           |    |    |   |  |
|                | ガレキ搬去によるアクセスルート確保を行う発電所対策要員間及び発電所対策本部又は中央制御室間の連絡                     | 2  | 2       |  |      |         |                        |        |  |   |   |   |   |   |   |  |   |   |   |   |   |  |   |   |        |                              |   |   |  |                                 |   |   |   |         |                           |    |    |   |  |
| トランシーバ         | 給水準備作業などにおける現場の発電所災害対策要員間の連絡   | 4  | 6       | 可搬型大型送水ポンプ車全台（6 台（ポンプ車の必要台数 2 台、予備 4 台））にトランシーバを 2 台ずつ配備して、屋外の現場で使用できる台数としている。 |      |         |                        |        |  |   |   |   |   |   |   |  |   |   |   |   |   |  |   |   |        |                              |   |   |  |                                 |   |   |   |         |                           |    |    |   |  |
|                | 可搬型タンクローリへの燃料汲み上げを行う発電所対策要員間の連絡                                      | 2  | 2       | 1 台故障時でも通信可能とするよう 1 台を予備機保有台数としている。（2 人作業、緊急時対策所に配備して、屋外の現場で使用）                |      |         |                        |        |  |   |   |   |   |   |   |  |   |   |   |   |   |  |   |   |        |                              |   |   |  |                                 |   |   |   |         |                           |    |    |   |  |
| 携帯型通信装置        | 現場で操作を行う運転員と中央制御室の運転員間の連絡  | 11   | 13      | 必要台数と同数の予備機保有台数とする。（2 台は保管場所に空きスペースがあるため追加）                                    |      |         |                        |        |  |   |   |   |   |   |   |  |   |   |   |   |   |  |   |   |        |                              |   |   |  |                                 |   |   |   |         |                           |    |    |   |  |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉   | 泊発電所 3 号炉   | 相違理由                                       |
|----------------|---|---|--|
|                | <p style="text-align: center;">62-8<br/>設備操作に関する説明書</p> | <p style="text-align: center;">62-7 設備操作に関する説明書</p> | <p>【大飯】記載方針の相違<br/>大飯では当該説明資料は作成していない。</p> |

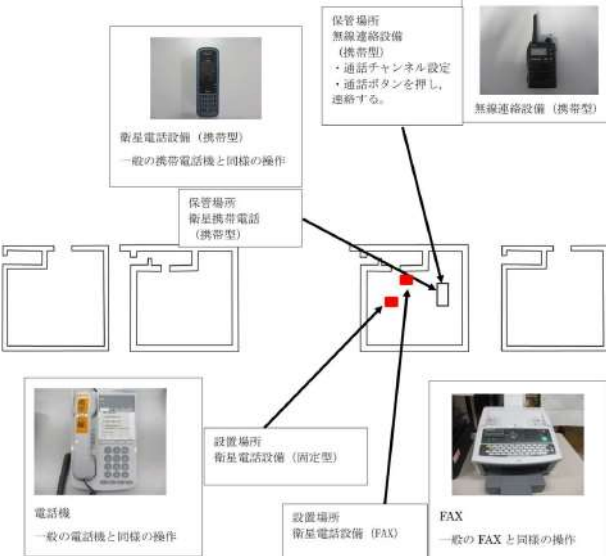
赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所3 / 4号炉 | 女川原子力発電所2号炉  | 泊発電所3号炉   | 相違理由  |
|--------------|--|---|---|
|              |  <p>第62-8-1図 操作縦断図 飛行型通話装置<br/>         (制御建屋地上3階 中央制御室)</p> <p>※図面には、ケーブル、網を省略して記載している。<br/>         ※図面には設置場所については、省略し、設備等を組して記載している。</p> |  <p>第62-7-1図 操作縦断図 飛行型通話装置<br/>         (原子炉補助建屋地上2階 中央制御室)</p> <p>※図面には、ケーブル、網を省略して記載している。<br/>         ※図面には設置場所については、省略し、設備等を組して記載している。</p> | <p>【大飯】記載方針の相違<br/>         大飯では当該説明資料は作成していない。</p> |







赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉   | 泊発電所 3 号炉   | 相違理由  |
|----------------|---|---|---|
|                | <p>第 62-8-3 図 操作概要図 衛星電話設備（携帯型）及び衛星電話設備（携帯型）<br/>                     （緊急時対策建屋地下 2 階）</p> <p>※図中の内容は、イメージ、例を含む。<br/>                     ※設備又は保管場所については、今後、訓練等を通して見直しを行う。</p> <p>※図中の内容は最新機種の観点から公開できません。</p> | <p>第 62-7-3 図 操作概要図 衛星電話設備（固定型）及び衛星電話設備（携帯型）<br/>                     （原子力本部の運用階地上 2 階、中央制御室）</p> <p>※図中の内容は最新機種の観点から公開できません。</p>  <p>・写真については、イメージ、例を含む<br/>                     ・設備又は保管場所については、今後、訓練等を通して見直しを行う。</p> <p>第 62-7-3 図 操作概要図 衛星電話設備（固定型）、衛星電話設備（FAX）、<br/>                     衛星電話設備（携帯型）及び無線連絡設備（携帯型）<br/>                     （緊急時対策所）</p> | <p>【大飯】記載方針の相違<br/>                     大飯では当該説明資料<br/>                     は作成していない。</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉 | 泊発電所 3 号炉   | 相違理由  |
|----------------|---------------|---|---|
|                |               | <div data-bbox="1346 169 1957 692"> <p>設置場所<br/>インターフォン<br/>一般の電話と同様の操作</p> <p>電話機<br/>一般の電話機と同様の操作</p> <p>設置場所<br/>テレビ会議システム（指揮所・待機所間）</p> <p>テレビ会議端末<br/>一般のテレビ会議と同様の操作</p> </div> <p>・写真については、イメージ、例を含む<br/>                 ・配備又は保管場所については、今後、調査等を通して見直しを行う。</p> <p>第 62-7-4 図 操作概要図 テレビ会議システム（指揮所・待機所間）及びインターフォン（緊急時対策所）</p> | <p>【大飯】記載方針の相違<br/>                 大飯では当該説明資料は作成していない。</p> |

赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉  | 泊発電所 3 号炉   | 相違理由  |
|----------------|--|---|---|
|                |  <p>写真については、イメージ、例を含む。<br/>             配備又は設置場所については、今後、訓練等を通じて見直しを行う。</p> <p>第 62-6-4 図 操作概要図 統合原子力防災ネットワークを用いた通信連絡設備及び 59156 表示装置<br/>             (緊急時対策建屋地下 2 階)</p> <p>設置場所の内部は作業機材の観点から公開できません。</p> |  <p>設置場所<br/>統合原子力防災ネットワークに接続する通信連絡設備</p> <p>IP 電話<br/>一般の電話機と同様の操作</p> <p>IP-FAX<br/>一般の FAX と同様の操作</p> <p>設置場所<br/>データ表示端末</p> <p>データ表示端末<br/>一般の PC と同様の操作</p> <p>設置場所<br/>データ表示端末</p> <p>設置場所<br/>統合原子力防災ネットワークを用いた通信連絡設備</p> <p>テレビ会議システム<br/>一般のテレビ会議と同様の操作</p> <p>写真については、イメージ、例を含む。<br/>             配備又は設置場所については、今後、訓練等を通じて見直しを行う。</p> <p>第 62-7-5 図 操作概要図<br/>             統合原子力防災ネットワークを用いた通信連絡設備及びデータ表示端末<br/>             (緊急時対策所)</p> | <p>【大飯】記載方針の相違<br/>             大飯では当該説明資料は作成していない。</p> |



赤字：設備、運用又は体制の相違（設計方針の相違）  
 青字：記載箇所又は記載内容の相違（記載方針の相違）  
 緑字：記載表現、設備名称の相違（実質的な相違なし）

| 大飯発電所 3 / 4 号炉 | 女川原子力発電所 2 号炉 | 泊発電所 3 号炉   | 相違理由  |
|----------------|---------------|---|---|
|                |               |  <p data-bbox="1417 576 1872 628">第 62-7-6 図 操作概要図 無線連絡設備 (携帯型)<br/>(屋外 (車両内))</p> | <p data-bbox="1980 145 2163 220">【大飯】記載方針の相違<br/>大飯では当説明資料は作成していない。</p> |