Environmental Monitoring results and analyses

--- The 3rd Quarter of FY2022 ---
(From October 1 to December 31, 2022)

January 25, 2023
The Nuclear Regulation Authority, Japan

In accordance with the “Comprehensive Radiation Monitoring Plan”, the relevant organizations released the monitoring data in the period from October 1 to December 31, 2022 and analyzed them. This monitoring scheme aims to make a continuous measurement of air dose rates and the concentration of radioactive materials in the environment in Fukushima prefecture and other areas across Japan for overseeing their fluctuations after the TEPCO Fukushima Daiichi accident.

- The above-mentioned “significant variation” means a “change different from the trend in the past”.
- Refer to the following URL for detailed information including attached materials:
- Refer to the following URL for monitoring results:
  https://radioactivity.nsr.go.jp/en/
- Refer to the Appendix for detailed information and the Attached Document for basic data.

<table>
<thead>
<tr>
<th>Fukushima Prefecture</th>
<th>Other areas in Japan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air dose rates: no significant variation observed</td>
<td>Air dose rates: no significant variation observed</td>
</tr>
<tr>
<td>Concentrations of radioactive materials in the air: no significant variation observed</td>
<td>Concentrations of radioactive materials in monthly deposition: no significant variation observed</td>
</tr>
<tr>
<td>Concentrations of radioactive materials in monthly deposition: no significant variation observed</td>
<td>Concentrations of radioactive materials in sea area: no significant variation observed</td>
</tr>
<tr>
<td>Concentrations of radioactive materials in seawater: no significant variation observed</td>
<td>Concentrations of radioactive materials in sea sediment: no significant variation observed</td>
</tr>
</tbody>
</table>
Environmental Monitoring results and analyses (detailed)

--- The 3rd Quarter of FY2022 ---
(From October 1 to December 31, 2022)

January 25, 2023
The Nuclear Regulation Authority, Japan

In accordance with the “Comprehensive Radiation Monitoring Plan”, the relevant organizations released the monitoring data in the period from October 1 to December 31, 2022 and analyzed them. This monitoring scheme aims to make a continuous measurement of air dose rates and the concentrations of radioactive materials in the environment in Fukushima prefecture and other areas across Japan for overseeing their fluctuations after the TEPCO (Tokyo Electric Power Company) Fukushima Daiichi accident.

I. Environmental Monitoring (land/sea) in Fukushima prefecture

【 Terrestrial area 】

1 Air dose rates

No significant variation of the air doses rates was observed in this quarter.

(i) Air dose rates

Responsible organizations: NRA (The Nuclear Regulation Authority) and Fukushima prefectural government

Measuring period: October 1 - December 31, 2022
Measuring points: Fukushima prefecture
Measuring method: Measurement using monitoring posts
Monitoring results: Refer to the following URL:
   https://www.erms.nsr.go.jp/nra-ramis-webg/general/facilityselectinitialize
   (Air dose rates across Japan)

(ii) Car-borne monitoring

Monitoring results: Refer to the following URLs:
Responsible organizations: Cabinet Office

Responsible organizations: Fukushima prefectural government
   https://www.pref.fukushima.lg.jp/site/portal/ps-soukou.html

(iii) Airborne monitoring

Monitoring results: Refer to the following URL:
(iv) Precise monitoring in zones under evacuation orders and zones where evacuation orders have been lifted

Monitoring results: Refer to the following URL:
Responsible organizations: NRA

(v) Accumulated doses
Responsible organizations: NRA (The Nuclear Regulation Authority)
Measuring period: June 28 - September 28, 2022 (Accumulated day: 91 days)
Measuring points: beyond 20 km from Fukushima Daiichi NPS (14 points)
Measuring method: Measurement using glass badge dosimeters
Monitoring results: From less than lower limit of measurement (0.1 mSv) to 3.1 mSv/3months
(Refer to Attached Document page 1)
Previous data: From less than lower limit of measurement to 3.4 mSv/3months
(March - June, 2022)
From less than lower limit of measurement to 3.9 mSv/3months
(March, 2021 - March, 2021)

© Regarding monitoring results of soil and environmental sampling, refer to the following URL:
Responsible organizations: NRA
https://radioactivity.nsr.go.jp/en/list/200/list-1.html
https://radioactivity.nsr.go.jp/en/list/240/list-1.html

2 Concentrations of radioactive materials in air

No significant variation of the concentrations of radioactive materials in air was observed in this quarter.

(All results in the monitoring period were under the level of concentration limit (Note 1)
specified by the law related to nuclear regulation in Japan)

① Within 20 km from Fukushima Daiichi NPS (6 sampling points)
Responsible organization: NRA
Sampling period: August 8 - October 13, 2022
Monitoring results: Activity concentrations of Cs-134 were all “ND” (not detected);
Cs-137 were from ND to 0.00071 Bq/m³.
(Refer to Attached Document pages 2-6)
Previous data: Activity concentrations of Cs-134 were all ND;
Cs-137 were from ND to 0.00032 Bq/m³.
① Beyond 20 km from Fukushima Daiichi NPS (5 sampling points)

Responsible organizations: NRA, Fukushima prefectural government
Sampling period: August 5 - October 27, 2022
Monitoring results: Activity concentrations of Cs-134 were all ND.
 Cs-137 were from ND to 0.00017 Bq/m$^3$.

(Refer to Attached Document pages 7-10)

Previous data: Activity concentrations of Cs-134 were all ND.
 Cs-137 were from ND to 0.00020 Bq/m$^3$.

(May - July, 2022)

Cs-134 were from ND to 0.000055 Bq/m$^3$;
 Cs-137 were from ND to 0.0012 Bq/m$^3$.

(May, 2021 - April, 2022)

3 Concentrations of radioactive materials in monthly deposition

No significant variation of the concentrations of radioactive materials in monthly deposition was observed in this quarter.

(i) Responsible organization: Fukushima prefectural government
Sampling period: September - November, 2022
Sampling points: Fukushima prefecture (Fukushima city)
Analytical method: Measurement after evaporating all monthly samples
Monitoring Results:
 Activity concentrations of Cs-134 were from ND to 0.30 MBq/km$^2$/month ;
 Cs-137 were from 1.0 to 11 MBq/km$^2$/month.

(See Attached Document pages 11-13)

The trends of activity concentrations are shown in the graphs.

(See Attached Document page 14)

[Sea Area]

4 Concentrations of radioactive materials in seawater

No significant variation of the concentrations of radioactive materials in seawater was observed in this quarter.

① Seawater near the Fukushima Daiichi NPS
 Cs-134 and Cs-137 analyses

(All results in the monitoring period were under the level of the concentration limit
(ⅰ) Responsible organization: TEPCO
Sampling period: August 29 - November 21, 2022
Analytical method: Coprecipitation method using ammonium phosphomolybdate,
sample amount: 20 L
Measurement time: 60,000 seconds
Monitoring result: Activity concentrations of Cs-134 were from ND to 0.0044 Bq/L ;
Cs-137 were from 0.029 to 0.18 Bq/L.

(See Attached Document page 15)

The trends of activity concentrations are shown in the graphs.

(See Attached Document page 16)

(ⅱ) Responsible organization: NRA
Sampling period: September 16 - November 12, 2022
Analytical method: Coprecipitation method using ammonium phosphomolybdate,
sample amount: 60 L
Measurement time: 60,000 or more seconds
Monitoring results: Activity concentrations of Cs-134 were from ND to 0.00098 Bq/L ;
Activity concentrations of Cs-137 were from 0.0031 to 0.033 Bq/L.

(See Attached Document pages 17-18)

The trends of activity concentrations are shown in the graphs.

(See Attached Document page 19)

(ⅲ) Responsible organization: Fukushima prefectural government
Sampling period: July 5 - September 13, 2022
Analytical method: Coprecipitation method using ammonium phosphomolybdate,
sample amount: 20 L
Measurement time: 80,000 seconds
Monitoring results: Activity concentrations of Cs-134 were all ND ;
Activity concentrations of Cs-137 were from 0.003 to 0.073 Bq/L.

(See Attached Document pages 21-22)

The trends of activity concentrations are shown in the graphs.

(See Attached Document page 23)

· H-3 analysis
(All results in the monitoring period were under the level of the concentration limit [Note 1] specified by the law in Japan.)

(ⅰ) Responsible organization: TEPCO
Sampling period: September 5 - October 3, 2022
Analytical method: Atmospheric distillation
Sampling amount: 50 mL
Measurement time: 5,400 - 42,000 seconds
Monitoring results: Activity concentrations of H-3 were from ND to 0.89 Bq/L.
(ii) Responsible organization: NRA
Sampling period: July 20 - October 7, 2022
Analytical method: Electrolytic enrichment technique
Sampling amount: 500 mL
Measurement time: 30,000 seconds
Monitoring results: Activity concentrations of H-3 were from 0.071 to 0.21 Bq/L.

(See Attached Document page 15)

The trends of activity concentrations of H-3 in seawater are shown in the graphs.
(See Attached Document page 17)

(iii) Responsible organization: Fukushima prefectural government
Sampling period: July 5 - September 13, 2022
Analytical method: Reduced-pressure distillation or Electrolytic enrichment technique
Sampling amount: 50 mL or 1,000 mL
Measurement time: 30,000 seconds
Monitoring results: Activity concentrations of H-3 were 0.08 to 0.61 Bq/L.
(See Attached Document pages 21-22)

Sr-90 analysis
(All results in the monitoring period were under the level of the concentration limit
[Note 1] specified by the law in Japan.)

(i) Responsible organization: TEPCO
Sampling period: September 5 - October 3, 2022
Analytical method: Y-90 milking method
Sampling amount: 40 L
Measurement time: 6,000 seconds
Monitoring results: Activity concentrations of Sr-90 were from 0.0013 to 0.087 Bq/L.
(See Attached Document page 15)

The trends of activity concentrations are shown in the graphs.
(See Attached Document page 16)

(ii) Responsible organization: NRA
Sampling period: August 25 - October 7, 2022
Analytical method: Y-90 milking method
Sampling amount: 40 L
Measurement time: 6,000 seconds
Monitoring results: Activity concentrations of Sr-90 were from 0.00077 to 0.0014 Bq/L.
(See Attached Document pages 17-18)

The trends of activity concentrations are shown in the graphs.
(See Attached Document page 19)

(iii) Responsible organization: Fukushima prefectural government
Sampling period: July 5 - September 13, 2022
Analytical method: Y-90 milking method
Sampling amount: 50 L
Measurement time: 3,600 seconds
Monitoring results: Activity concentrations of Sr-90 were from 0.0007 to 0.0025 Bq/L.
(See Attached Document pages 21-22)

The trends of activity concentrations are shown in the graphic charts.
(See Attached Document page 23)

Refer to the following URL for the result of daily measurement, etc.
Responsible organizations: TEPCO
https://radioactivity.nsr.go.jp/en/list/246/list-1.html

② Radioactivity concentration in seawater around Fukushima Daiichi NPS

- Cs-134 and Cs-137 Analysis
  (i) Responsible organization: TEPCO
  Sampling period: August 30 - November 15, 2022
  Analysis method: Coprecipitation method using ammonium phosphomolybdate
  Sample amount: 20 - 30 L
  Measuring time: 25,000 - 80,000 seconds
  Monitoring results: Activity concentrations of Cs-134 were all ND;
  Cs-137 were from 0.0012 to 0.027 Bq/L.
  (See Attached Document pages 25-28)

  The trends of activity concentrations at the main points are shown in the graphs.
  (See Attached Document page 29)

  (ii) Responsible organization: Fukushima prefectural government
  Sampling period: July 5 - September 13, 2022
  Analysis method: Coprecipitation method using ammonium phosphomolybdate
  Sample amount: 20 L
  Measuring time: 80,000 seconds
  Monitoring results: Activity concentrations of Cs-134 were all ND;
  Activity concentrations of Cs-137 were from 0.002 to 0.006 Bq/L.
  (See Attached Document page 30)

  The trends of concentrations at the main points are shown in the graphs.
  (See Attached Document page 31)

- H-3 Analysis
  (i) Responsible organization: TEPCO
  Sampling period: August 23 – November 7, 2022
  Analysis method: Atmospheric-pressure distillation
  Sample amount: 50 - 65 mL
  Measuring time: 36,000 - 42,000 seconds
  Monitoring results: Activity concentrations of H-3 were all ND.
  (See Attached Document pages 25-27)
( ii ) Responsible organization: Fukushima prefectural government
Sampling period: July 5 - September 13, 2022
Analytical method: Reduced-pressure distillation or Electrolytic enrichment technique
Sampling amount: 50 mL or 1,000mL
Measurement time: 30,000 seconds
Monitoring results: Activity concentrations of H-3 were from 0.08 to 0.10 Bq/L.
(See Attached Document page 30)

• Sr-90 Analysis
( i ) Responsible organization: TEPCO
Sampling period: September 3 - October 20, 2022
Analysis method: Y-90 milking method
Sample amount: 8 L
Measuring time: 12,000 seconds
Monitoring results: Activity concentrations of Sr-90 were from 0.00074 to 0.0013 Bq/L.
(See Attached Document pages 26-27)

( ii ) Responsible organization: Fukushima prefectural government
Sampling period: July 5 - September 13, 2022
Analysis method: Y-90 milking method
Sample amount: 50 L
Measuring time: 3,600 seconds
Monitoring result: Activity concentrations of Sr-90 were from 0.0005 to 0.0013 Bq/L.
(See Attached Document page 30)

The trends of activity concentrations are shown in the graphs.
(See Attached Document page 31)

③ Radioactivity concentration in seawater at the other coast of Fukushima, at coast of Miyagi and Ibaraki Prefecture
Monitoring results: Refer to the following URL:
Responsible organizations: TEPCO
https://radioactivity.nsr.go.jp/en/list/245/list-1.html

④ Radioactivity concentration in seawater at offshore Miyagi, Fukushima, Ibaraki and Chiba Prefecture
Monitoring results: Refer to the following URL:
Responsible organizations: NRA
https://radioactivity.nsr.go.jp/en/list/292/list-1.html

5 Concentrations of radioactive materials in sea sediment
No significant variation of the concentrations of radioactive materials in sea sediment was observed in this quarter.

① Sea-sediment near the Fukushima Daiichi NPS
· Cs-134 and Cs-137 analyses

(i) Responsible organization: TEPCO
   Sampling period: September 5 - November 7, 2022
   Monitoring results:
   - Activity concentrations of Cs-134 were from ND to 7.2 Bq/kg dry soil;
   - Cs-137 were from 120 to 250 Bq/kg dry soil.
   - Activity concentrations of Sr-90 were all ND.

   (See Attached Document page 33)

   The trends of activity concentrations are shown in the graphs.
   (See Attached Document page 35)

(ii) Responsible organization: Fukushima prefectural government
   Sampling date: August 2, 2022
   Monitoring results:
   - Activity concentrations of Cs-134 were from ND to 10 Bq/kg dry soil;
   - Cs-137 were from 34 to 350 Bq/kg dry soil.
   - Activity concentrations of Sr-90 were all ND.

   (See Attached Document page 38)

   The trends of activity concentrations are shown in the graphs.
   (See Attached Document page 40)

② Sea-sediment around the Fukushima Daiichi NPS
· Cs-134 and Cs-137 analyses

(i) Responsible organization: TEPCO
   Sampling period: September 3 - December 7, 2022
   Monitoring results:
   - Activity concentrations of Cs-134 were from ND to 9.1 Bq/kg dry soil;
   - Cs-137 were from 1.4 to 350 Bq/kg dry soil.

   (See Attached Document pages 33-34)

   The trends of concentrations at the main points are shown in the graphs.
   (See Attached Document page 36)

(ii) Responsible organization: Fukushima prefectural government
   Sampling date: August 2, 2022
   Monitoring results:
   - Activity concentrations of Cs-134 were from ND to 2.1 Bq/kg dry soil;
   - Cs-137 were from 22 to 90 Bq/kg dry soil.
   - Activity concentrations of Sr-90 were from ND to 0.28 Bq/kg dry soil.

   (See Attached Document page 39)

   The trends of concentrations are shown in the graphs.
   (See Attached Document page 40)

③ Radioactivity concentration in seawater at offshore of Miyagi, Fukushima, Ibaraki
   and Chiba Prefecture

Monitoring results: Refer to the following URL:
Responsible organizations: NRA
https://radioactivity.nsr.go.jp/en/list/272/list-1.html
II. Nationwide Environmental Monitoring (land/sea) excluding Fukushima prefecture

1. Air dose rates (Responsible organization: NRA)
   Refer to the following URL for nationwide air dose rates:
   https://www.erm.nsr.go.jp/nra-ramis-webg/general/facilityselect/initialize
   Refer to the following URL for the locations of monitoring posts across Japan:

2. Concentrations of radioactive materials in monthly deposition
   (Monitoring results of radioactivity levels in the environment)
   (Monitoring points: 46 prefectures (excluding Fukushima prefecture)
   (Responsible organization: 46 prefectures (excluding Fukushima prefecture)
   · Cs-134 and Cs-137 analyses
     Sampling period: September - November, 2022
     Analytical method: Measurement after evaporating all monthly samples
     Monitoring results: Activity concentrations of Cs-134 were from ND to 0.099 MBq/km²/month;
     Activity concentrations of Cs-137 were from ND to 3.6 MBq/km²/month.
     (See Attached Document pages 11-13)

3. Environmental monitoring related to radioactive materials in the disaster stricken areas of the Great East Japan Earthquake: Water areas for public use including rivers, lakes, ponds and seacoasts
   (Responsible organization: the Ministry of the Environment)
   Monitoring results : Refer to the following URL:

4. Sea Area Monitoring at the Outer Sea (Seawater)
   Monitoring results : Refer to the following URLs:
   Responsible organizations: NRA
   https://radioactivity.nsr.go.jp/en/list/291/list-1.html
   Responsible organization: Japan Coast Guard
   https://www1.kaiho.mlit.go.jp/KANKYO/osen/housha.html

5. Concentrations of radioactive materials at the entrance of Tokyo Bay
   Monitoring results : Refer to the following URLs:
   Responsible organizations: NRA
   https://radioactivity.nsr.go.jp/en/list/290/list-1.html
   Responsible organizations: the Ministry of the Environment
   Responsible organization: Ministry of Land, Infrastructure, Transport and Tourism
   https://www.pa.ktr.mlit.go.jp/kyoku/radiation/index.htm
III. Other monitoring results

Monitoring results of foodstuff

Refer to the following URLs:

① The concentrations of radioactive materials in foodstuff:

② The concentrations of radioactive materials in marine products:
   https://www.jfa.maff.go.jp/e/inspection/index.html

③ Securing safety in the quality of alcoholic beverages against radioactive materials:
   https://www.nta.go.jp/english/taxes/liquor_administration/radiation.htm

④ Inspections of radioactive materials in tap water:

Monitoring results of forest

Refer to the following URL:

① Environmental radiation monitoring in national forests in the former evacuation zones:
   https://www.rinya.maff.go.jp/kanto/seibi/jyosensennta/chousakekka01.html

For reference (TEPCO):
   https://www.tepco.co.jp/en/hd/decommission/data/analysis/index-e.html

[Note 1]
- Items stipulated in Notice No.8(Appendix No.1) issued by the NRA:

  The authorized discharge limit as a concentration level of each radioactive material in seawater:
  I-131 : 40 Bq/L, Cs-134 : 60 Bq/L, Cs-137 : 90 Bq/L, Sr-90 : 30 Bq/L, H-3 : 60,000 Bq/L

  The authorized discharge limit as a concentration level of each radioactive material in air :
  I-131 : 5 Bq/m³, Cs-134 : 20 Bq/m³, Cs-137 : 30 Bq/m³
<table>
<thead>
<tr>
<th>测定場所(福島第一原子力発電所からの距離)</th>
<th>测定開始年月日</th>
<th>6月の回収年月日</th>
<th>6月末までの積算日数</th>
<th>7~9月の積算日数</th>
<th>9月末までの総積算日数</th>
</tr>
</thead>
<tbody>
<tr>
<td>双葉郡浪江町津島(30km西北西) Futaba county Namie town Taushima (30km West/North/West)</td>
<td>2011/3/23</td>
<td>2022/6/29</td>
<td>4115</td>
<td>243.0</td>
<td>2022/9/28</td>
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<td>2022/6/29</td>
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<td>604.0</td>
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<td>2022/6/29</td>
<td>4115</td>
<td>321.1</td>
<td>2022/9/28</td>
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<td>2022/6/29</td>
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<td>113.2</td>
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<td>いわき市四倉町中島(34km南西) Iwaki city Yotsukura town Nakajima (34km South/South/West)</td>
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<td>2022/6/28</td>
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<td>11.3</td>
<td>2022/9/27</td>
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<td>2022/6/29</td>
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<td>双葉郡浪江町下津嶋(29km西北西) Futaba county Namie town Shimotsushima (29km West/North/West)</td>
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<td>2022/6/29</td>
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<td>263.3</td>
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<td>福島市杉妻町(62km北西) Fukushima city Sugitsuma town (62km North/West)</td>
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<td>2022/6/29</td>
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<td>15.6</td>
<td>2022/9/28</td>
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<td>いわき市三和町差塩(39km南西) Iwaki city Miwa town Saiso (39km South/West)</td>
<td>2016/3/28</td>
<td>2022/6/28</td>
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<td>2022/6/28</td>
<td>4106</td>
<td>63.5</td>
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注)太下線データが今回追加分
ガラスバッジによる値
測定開始年月日
Measurement Start Date
6月の回収年月日 Collection Date
6月末までの積算日数 Accumulated Day (x)
7~9月の積算日数 Accumulated Day (y)
9月末までの総積算日数 Accumulated Day (z = x + y)
9月末までの総積算数値 Reading of Accumulated Dose (c = a + b) (mSv)

【31】 2022/9/27 0.2 91
【32】 2022/6/28 4197
【33】 2022/6/29 4106
【34】 2022/6/29 4115
【38】 2022/6/29 4198
【71】 2022/9/28 4198
【79】 2022/9/28 4198
【7】 2022/9/28 4198
【1】 2022/9/28 4198
【39】 2022/9/28 4198
【84】 2022/9/28 4198
【76】 2022/9/28 4198
【80】 2022/9/28 4198
【21】 2022/9/28 4198
<table>
<thead>
<tr>
<th>採取地点</th>
<th>更新</th>
<th>試料採取期間</th>
<th>放射性物質濃度 Radioactivity * (Bq/m³)</th>
<th>その他の人工核種 Other anthropogenic radionuclides</th>
<th>空間線量率 Air dose rate (μSv/h)</th>
<th>備考 Remarks</th>
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<tbody>
<tr>
<td>Minamisoma city Odaka ward Motomachi</td>
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<td>2022/10/11 12:26 ～ 2022/10/13 12:26</td>
<td>≤ 0.000029</td>
<td>≤ 0.000029</td>
<td>0.09</td>
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<td>2022/9/13 12:07 ～ 2022/9/15 12:07</td>
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<td>0.000075 ± 0.0000091</td>
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<td>0.000091 ± 0.0000097</td>
<td>0.07</td>
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<td>≤ 0.000029</td>
<td>≤ 0.000027</td>
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<td>2022/6/14 12:23 ～ 2022/6/16 12:23</td>
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<td>0.000067 ± 0.0000096</td>
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※「< XX」は、放射性物質濃度が検出下限値（XX）未満であることを表す。
※“< XX” means that radioactivity concentration is lower than the detection limit XX.

※1 全て検出下限値未満であり、主要核種の検出下限値を記載。
※1 All are below the lower detection limit, and the lower detection limit of major nuclides is described.

[Abbreviation]
NRA : Nuclear Regulation Authority
Dust sampling points in 20km Zone of Fukushima Dai-ichi NPP.

The numbers indicate the sampling points.
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<th>Sampling Point</th>
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<th>Data updated</th>
<th>試料採取期間</th>
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<th>Radioactivity Concentration (Bq/m$^3$)</th>
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<th>Other anthropogenic radionuclides</th>
<th>空間線量率</th>
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<td>Am-241: &lt; 0.000044</td>
<td>0.51</td>
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<tr>
<td></td>
<td>2022/7/26 10:31 ～2022/7/28 10:31</td>
<td>&lt; 0.000026</td>
<td>0.00020 ± 0.00011</td>
<td>Am-241: &lt; 0.000045</td>
<td>0.52</td>
<td></td>
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<tr>
<td></td>
<td>2022/6/20 10:45 ～2022/6/22 10:45</td>
<td>&lt; 0.000025</td>
<td>0.000040 ± 0.0000088</td>
<td>Am-241: &lt; 0.000042</td>
<td>0.53</td>
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<tr>
<td></td>
<td>2022/5/24 10:40 ～2022/5/26 10:40</td>
<td>&lt; 0.000025</td>
<td>0.000011 ± 0.0000097</td>
<td>Am-241: &lt; 0.000043</td>
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<td></td>
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<tr>
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<td>2022/4/19 10:45 ～2022/4/21 10:45</td>
<td>&lt; 0.000025</td>
<td>0.000040 ± 0.0000082</td>
<td>Am-241: &lt; 0.000042</td>
<td>0.53</td>
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</tr>
</tbody>
</table>

| 303 | 2022/10/25 13:37 ～2022/10/27 13:37 | < 0.000027 | < 0.000023 | Am-241: < 0.000046 | 0.10 | |
| 田村市船引町船引 | 千葉県北船引 | 41km西 | 41km West | Eu-154: < 0.000039 | Co-60: < 0.000028 | |
| | 2022/9/13 13:50 ～2022/9/15 13:50 | < 0.000026 | < 0.000025 | Am-241: < 0.000045 | 0.10 | |
| | 2022/8/23 13:53 ～2022/8/25 13:53 | < 0.000026 | < 0.000030 | Am-241: < 0.000044 | 0.09 | |
| | 2022/7/26 13:48 ～2022/7/28 13:48 | < 0.000025 | < 0.000024 | Am-241: < 0.000044 | 0.10 | |
| | 2022/6/20 13:56 ～2022/6/22 13:56 | < 0.000024 | < 0.000024 | Am-241: < 0.000043 | 0.10 | |
| | 2022/5/24 13:45 ～2022/5/26 13:45 | < 0.000027 | < 0.000026 | Am-241: < 0.000042 | 0.10 | |
| | 2022/4/19 13:41 ～2022/4/21 13:41 | < 0.000026 | < 0.000025 | Am-241: < 0.000043 | 0.10 | |

<XX>は放射性物質濃度が検出下限値以下であることを表す。
※1「<XX」は、放射性物質濃度が検出下限値未満であることを表す。
※1 下記の測定は検出下限値以下であり、主要核種の検出下限値を記載。
※1 All the measurements are below the lower detection limits, and the lower detection limits of major nuclides are described.

Abbreviation
NRA : Nuclear Regulation Authority
**福島県による大気浮遊じんの放射性物質濃度測定結果**
**Readings of dust sampling by Fukushima Prefecture**

<table>
<thead>
<tr>
<th>受取地点</th>
<th>更新</th>
<th>試料採取期間</th>
<th>放射性物質濃度 (Bq/m³)</th>
<th>空間線量率 (μSv/h)</th>
<th>備考</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A</td>
<td></td>
<td></td>
<td>Cs-134</td>
<td>Cs-137</td>
<td>其他の人工核種</td>
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<tr>
<td>福島市方木田</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fukushima city Houkida</td>
<td>63km北西</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>2022/10/3 14:40 ~ 2022/10/4 14:40</td>
<td>&lt; 0.000046</td>
<td>&lt; 0.000045</td>
<td>Am-241: &lt; 0.000022</td>
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<tr>
<td></td>
<td></td>
<td>2022/9/5 10:40 ~ 2022/9/6 10:40</td>
<td>&lt; 0.000030</td>
<td>0.000034 ± 0.0000063</td>
<td>Eu-154: &lt; 0.000048</td>
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<tr>
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<td></td>
<td>2022/8/5 9:00 ~ 2022/8/6 9:00</td>
<td>&lt; 0.000032</td>
<td>&lt; 0.000029</td>
<td>Co-60: &lt; 0.000028</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2022/7/19 9:00 ~ 2022/7/20 9:00</td>
<td>&lt; 0.000032</td>
<td>0.000026 ± 0.0000080</td>
<td>Am-241: &lt; 0.000010</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2022/6/13 13:30 ~ 2022/6/14 13:30</td>
<td>&lt; 0.000035</td>
<td>&lt; 0.000031</td>
<td>Eu-154: &lt; 0.000045</td>
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<td></td>
<td>2022/5/2 13:45 ~ 2022/5/3 13:45</td>
<td>&lt; 0.000034</td>
<td>&lt; 0.000025</td>
<td>Co-60: &lt; 0.000035</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2022/4/6 15:00 ~ 2022/4/7 15:00</td>
<td>&lt; 0.000041</td>
<td>0.000030 ± 0.0000093</td>
<td>Am-241: &lt; 0.000013</td>
</tr>
</tbody>
</table>

*「< XX」は、放射性物質濃度が検出下限値 (XX) 未満であることを表す。
* "< XX" means that radioactivity concentration is lower than the detection limit XX.

※1 全て検出下限値未満であり、主要核種の検出下限値を記載。
* All the measurements are below the lower detection limits, and the lower detection limits of major nuclides are described.

[Abbreviation]
NRA : Nuclear Regulation Authority
大気浮遊じんの採取地点

Dust sampling points

平成30年4月1日時点
(As of Apr-2018)

国の大気浮遊じんの測定地点
県の大気浮遊じんの測定地点
※数字等は地点ナンバーを示す

福島第一原子力発電所
TEPCO Dai-ichi NPP

0 10 20 km
<table>
<thead>
<tr>
<th>県都府県名 [Prefecture]</th>
<th>放射性ヨウ素131 [I-131] (C=131)</th>
<th>放射性セシウム134 [Cs-134] (C=134)</th>
<th>放射性セシウム137 [Cs-137] (C=137)</th>
<th>その他検出された核種 [Other detected nuclides]</th>
</tr>
</thead>
<tbody>
<tr>
<td>北海道 (札幌市) [Hokkaido (Sapporo)]</td>
<td>&lt; 0.12</td>
<td>&lt; 0.050</td>
<td>&lt; 0.047</td>
<td></td>
</tr>
<tr>
<td>宮城県 (仙台市) [Miyagi (Sendai)]</td>
<td>&lt; 0.10</td>
<td>&lt; 0.055</td>
<td>&lt; 0.055</td>
<td></td>
</tr>
<tr>
<td>秋田県 (秋田市) [Aomori (Aomori)]</td>
<td>&lt; 0.59</td>
<td>&lt; 0.062</td>
<td>0.18</td>
<td></td>
</tr>
<tr>
<td>茨城県 (ひたちなか市) [Ibaraki (Hitachinaka)]</td>
<td>&lt; 0.14</td>
<td>&lt; 0.054</td>
<td>0.11</td>
<td></td>
</tr>
<tr>
<td>東京都 [Tokyo (Shinjuku)]</td>
<td>&lt; 0.18</td>
<td>&lt; 0.050</td>
<td>0.045</td>
<td></td>
</tr>
<tr>
<td>千葉県 (市原市) [Chiba (Ichihara)]</td>
<td>&lt; 0.087</td>
<td>&lt; 0.073</td>
<td>0.32</td>
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</tr>
<tr>
<td>愛知県 [Aichi (Nagoya)]</td>
<td>&lt; 0.16</td>
<td>&lt; 0.064</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>大阪府 (大阪市) [Osaka]</td>
<td>&lt; 0.42</td>
<td>&lt; 0.096</td>
<td>0.42</td>
<td></td>
</tr>
<tr>
<td>広島県 (広島市) [Hiroshima]</td>
<td>&lt; 0.64</td>
<td>&lt; 0.066</td>
<td>0.11</td>
<td></td>
</tr>
<tr>
<td>山梨県 (甲府市) [Yamanashi (Kofu)]</td>
<td>&lt; 0.14</td>
<td>&lt; 0.065</td>
<td>0.050</td>
<td></td>
</tr>
<tr>
<td>長野県 (長野市) [Niigata (Niigata)]</td>
<td>&lt; 0.077</td>
<td>&lt; 0.071</td>
<td>0.084</td>
<td></td>
</tr>
<tr>
<td>新潟県 (新潟市) [Niigata (Niigata)]</td>
<td>&lt; 0.084</td>
<td>&lt; 0.061</td>
<td>0.050</td>
<td></td>
</tr>
<tr>
<td>岩手県 (盛岡市) [Iwate (Morioka)]</td>
<td>&lt; 0.20</td>
<td>&lt; 0.062</td>
<td>0.15</td>
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<tr>
<td>青森県 (青森市) [Aomori]</td>
<td>&lt; 0.18</td>
<td>&lt; 0.044</td>
<td>0.065</td>
<td></td>
</tr>
<tr>
<td>北海道 (札幌市) [Hokkaido (Sapporo)]</td>
<td>&lt; 0.15</td>
<td>&lt; 0.049</td>
<td>0.038</td>
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<tr>
<td>三重県 (名張市) [Mie (Takamatsu)]</td>
<td>&lt; 0.099</td>
<td>&lt; 0.038</td>
<td>0.029</td>
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<tr>
<td>高知県 (高知市) [Kagawa (Takamatsu)]</td>
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<td>&lt; 0.044</td>
<td>0.034</td>
<td></td>
</tr>
<tr>
<td>長野県 (長野市) [Niigata (Niigata)]</td>
<td>&lt; 0.099</td>
<td>&lt; 0.066</td>
<td>0.047</td>
<td></td>
</tr>
<tr>
<td>福島県 (いわき市) [Fukushima (Iwaki)]</td>
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<td>&lt; 0.071</td>
<td>0.064</td>
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</tr>
<tr>
<td>山形県 (山形市) [Yamagata (Yamagata)]</td>
<td>&lt; 0.22</td>
<td>&lt; 0.069</td>
<td>0.061</td>
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</tr>
<tr>
<td>岩手県 (盛岡市) [Iwate (Morioka)]</td>
<td>&lt; 0.28</td>
<td>&lt; 0.052</td>
<td>0.041</td>
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<tr>
<td>福島県 (いわき市) [Fukushima (Iwaki)]</td>
<td>&lt; 0.17</td>
<td>&lt; 0.046</td>
<td>0.036</td>
<td></td>
</tr>
<tr>
<td>静岡県 (静岡市) [Shizuoka (Shizuoka)]</td>
<td>&lt; 0.21</td>
<td>&lt; 0.047</td>
<td>0.043</td>
<td></td>
</tr>
<tr>
<td>三重県 (名張市) [Mie (Takamatsu)]</td>
<td>&lt; 0.26</td>
<td>&lt; 0.051</td>
<td>0.041</td>
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</tr>
<tr>
<td>徳島県 (徳島市) [Tokushima]</td>
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<td>&lt; 0.042</td>
<td>0.034</td>
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<tr>
<td>福島県 (いわき市) [Fukushima (Iwaki)]</td>
<td>&lt; 0.062</td>
<td>&lt; 0.041</td>
<td>0.037</td>
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</tr>
<tr>
<td>高知県 (高知市) [Kagawa (Takamatsu)]</td>
<td>&lt; 0.054</td>
<td>&lt; 0.045</td>
<td>0.038</td>
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<tr>
<td>長崎県 (大村市) [Saga (Saga)]</td>
<td>&lt; 0.54</td>
<td>&lt; 0.059</td>
<td>0.053</td>
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</tr>
<tr>
<td>新潟県 (新潟市) [Niigata (Niigata)]</td>
<td>&lt; 0.34</td>
<td>&lt; 0.055</td>
<td>0.052</td>
<td></td>
</tr>
<tr>
<td>首都圏 (中央区) [Tokyo (Shintomicho)]</td>
<td>&lt; 0.12</td>
<td>&lt; 0.080</td>
<td>0.067</td>
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<tr>
<td>長野県 (長野市) [Niigata (Niigata)]</td>
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<td>&lt; 0.037</td>
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<tr>
<td>茨城県 (常陸大宮市) [Ibaraki (Kamitani)]</td>
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<tr>
<td>福島県 (いわき市) [Fukushima (Iwaki)]</td>
<td>&lt; 0.25</td>
<td>&lt; 0.062</td>
<td>0.053</td>
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</tr>
<tr>
<td>愛知県 (名古屋市) [Aichi (Nagoya)]</td>
<td>&lt; 0.25</td>
<td>&lt; 0.062</td>
<td>0.053</td>
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</tr>
<tr>
<td>枚岡地区 [Halle]</td>
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<td>&lt; 0.075</td>
<td>0.064</td>
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</tr>
<tr>
<td>北海道 (札幌市) [Hokkaido (Sapporo)]</td>
<td>&lt; 0.25</td>
<td>&lt; 0.047</td>
<td>0.040</td>
<td></td>
</tr>
<tr>
<td>静岡県 (静岡市) [Shizuoka (Hamamatsu)]</td>
<td>&lt; 0.19</td>
<td>&lt; 0.056</td>
<td>0.044</td>
<td></td>
</tr>
<tr>
<td>福島県 (いわき市) [Fukushima (Iwaki)]</td>
<td>&lt; 0.26</td>
<td>&lt; 0.048</td>
<td>0.043</td>
<td></td>
</tr>
<tr>
<td>福岡県 (福岡市) [Fukuoka (Fukuoka)]</td>
<td>&lt; 0.12</td>
<td>&lt; 0.056</td>
<td>0.047</td>
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</tr>
<tr>
<td>小倉北区 [Minami]</td>
<td>&lt; 0.27</td>
<td>&lt; 0.080</td>
<td>0.065</td>
<td></td>
</tr>
<tr>
<td>岩手県 (宮古市) [Iwate (Morioka)]</td>
<td>&lt; 0.066</td>
<td>&lt; 0.039</td>
<td>0.036</td>
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<tr>
<td>東京都 [Tokyo (Shinjuku)]</td>
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<td>0.059</td>
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<tr>
<td>大阪府 (大阪市) [Osaka]</td>
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<td>&lt; 0.051</td>
<td>0.047</td>
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<tr>
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<td>&lt; 0.063</td>
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<td>&lt; 0.032</td>
<td>&lt; 0.039</td>
<td>0.032</td>
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</table>

環境放射能水準調査結果(月間降下物)  
(Reading of environmental radioactivity level by prefecture (Fallout))  
(R4年9月分 [Sep, 2022])

お近くの環境にお気を付けてください。
(The measurements have been delayed due to failure of the instrument.)
環境放射能水準調査結果（月間降下物）
(Readings of environmental radioactivity level by prefecture (Fallout))
(R4年10月分 [Oct. 2022])

<table>
<thead>
<tr>
<th>都道府県名 [Prefecture] [City]</th>
<th>放射性物質濃度 [Radioactivity]</th>
<th>MBq/㎝²/月 [MBq/㎝²/month]</th>
<th>备考 [Remarks]</th>
</tr>
</thead>
<tbody>
<tr>
<td>都道府県名 [Prefecture] [City]</td>
<td>放射性セシウム131 (Cs-131)</td>
<td>放射性セシウム134 (Cs-134)</td>
<td>放射性セシウム137 (Cs-137)</td>
</tr>
<tr>
<td>北海道 (札幌市) [Hokkaido] [Sapporo]</td>
<td>&lt; 0.14</td>
<td>&lt; 0.054</td>
<td>&lt; 0.047</td>
</tr>
<tr>
<td>青森県 (弘前市) [Aomori] [Aomori]</td>
<td>&lt; 0.13</td>
<td>&lt; 0.054</td>
<td>&lt; 0.053</td>
</tr>
<tr>
<td>岩手県 (盛岡市) [Iwate] [ Morioka]</td>
<td>&lt; 0.13</td>
<td>&lt; 0.064</td>
<td>&lt; 0.053</td>
</tr>
<tr>
<td>宮城県 (仙台市) [Miyagi] [Sendai]</td>
<td>&lt; 0.13</td>
<td>&lt; 0.054</td>
<td>0.052</td>
</tr>
<tr>
<td>秋田県 (秋田市) [Akita] [Akita]</td>
<td>&lt; 0.27</td>
<td>&lt; 0.056</td>
<td>&lt; 0.042</td>
</tr>
<tr>
<td>山形県 (山形市) [Yamagata] [Yamagata]</td>
<td>&lt; 0.13</td>
<td>&lt; 0.065</td>
<td>0.066</td>
</tr>
<tr>
<td>福島県 (福島市) [Fukushima] [Fukusima]</td>
<td>&lt; 0.15</td>
<td>0.064</td>
<td>2.4</td>
</tr>
<tr>
<td>長野県 (長野市) [Nagano] [Nagano]</td>
<td>&lt; 0.13</td>
<td>0.089</td>
<td>3.6</td>
</tr>
<tr>
<td>貝沢市 (新津市) [Tochigi] [Tsuchi]</td>
<td>&lt; 0.33</td>
<td>&lt; 0.064</td>
<td>0.089</td>
</tr>
<tr>
<td>埼玉県 (加須市) [Saitama] [Kawasaki]</td>
<td>&lt; 0.10</td>
<td>&lt; 0.060</td>
<td>0.048</td>
</tr>
<tr>
<td>千葉県 (市原市) [Chiba] [Kashiwa]</td>
<td>&lt; 0.12</td>
<td>&lt; 0.063</td>
<td>0.099</td>
</tr>
<tr>
<td>東京都 (新宿区) [Tokyo] [Shinjuku]</td>
<td>0.17</td>
<td>0.055</td>
<td>0.16</td>
</tr>
<tr>
<td>神奈川県 (横浜市) [Shizuoka] [Kamakura]</td>
<td>&lt; 0.10</td>
<td>&lt; 0.040</td>
<td>0.042</td>
</tr>
<tr>
<td>栃木県 (宇都宮市) [Tochigi] [Utsunomiya]</td>
<td>&lt; 0.19</td>
<td>&lt; 0.042</td>
<td>&lt; 0.035</td>
</tr>
<tr>
<td>福島県 (福島市) [Fukushima] [Fukusima]</td>
<td>&lt; 0.099</td>
<td>&lt; 0.032</td>
<td>0.031</td>
</tr>
<tr>
<td>静岡県 (高崎市) [Shizuoka] [Yokote]</td>
<td>&lt; 0.10</td>
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<td>&lt; 0.034</td>
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<td>&lt; 0.042</td>
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<tr>
<td>大阪府 (大阪市) [Osaka] [Morioka]</td>
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<td>北海道 (札幌市) [Hokkaido] [Sapporo]</td>
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<tr>
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<td>&lt; 0.058</td>
<td>&lt; 0.051</td>
</tr>
<tr>
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<td>&lt; 0.064</td>
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<td>&lt; 0.068</td>
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<tr>
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<td>&lt; 0.070</td>
<td>&lt; 0.056</td>
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<tr>
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<td>&lt; 0.061</td>
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<td>高知県 (高知市) [Kagoshima] [Kagoshima]</td>
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<tr>
<td>長崎県 (天草市) [Nagasaki] [Namakura]</td>
<td>&lt; 0.24</td>
<td>&lt; 0.064</td>
<td>&lt; 0.051</td>
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</table>

1. 原子力規制委員会が各地域の報告に基づき作成 [1] The table was made by Nuclear Regulation Authority, based on the reports from prefectures. 2. 1ヶ月間測定された降下物を測定した結果 [2] Measurements of fallout collected during the month. 3. 検出値は未検出または検出不能の状態により、地域の状況によって異なる [3] The minimum detected activity was 0.123, Cs-134 and Cs-137, contingent on samples or measurement conditions, are different for each prefecture. 4. ‘XX’ is the detection limit (0.015 Bq/㎡) for radioactivity concentration higher than the detection limit [XX].
<table>
<thead>
<tr>
<th>都道府県名 [Prefecture]</th>
<th>放射性物質濃度 [Radioactivity]</th>
<th>MBq/km²/月 [MBq/km²/month]</th>
<th>その他検出された核種 (Other detected nuclides)</th>
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<tbody>
<tr>
<td>川 Hao [Hokkaido] [Sapporo]</td>
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<tr>
<td>青森県 [Aomori] [Aomori]</td>
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<tr>
<td>秋田県 [Akita] [Akita]</td>
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<tr>
<td>福島県 [Fukushima] [Fukushima]</td>
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</tr>
<tr>
<td>北海道 [Hokkaido] [Sapporo]</td>
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<tr>
<td>茨城県 [Ibaraki] [Hitachinaka]</td>
<td>&lt; 0.15 &lt; 0.046 0.26</td>
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<tr>
<td>栃木県 [Tochigi] [Utsunomiya]</td>
<td>&lt; 0.30 &lt; 0.067 0.098</td>
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<tr>
<td>青森県 [Morioka] [Morioka]</td>
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<tr>
<td>群馬県 [Gunma] [Maebashi]</td>
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<td>千葉県 [Chiba] [Chiba]</td>
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<tr>
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<td>福島県 [Fukushima] [Fukushima]</td>
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<tr>
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<tr>
<td>新潟県 [Niigata] [Niigata]</td>
<td>&lt; 0.19 &lt; 0.048 0.034</td>
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<tr>
<td>岩手県 [Iwate] [Morioka]</td>
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<td>長野県 [Niigata] [Niigata]</td>
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<tr>
<td>山形県 [Yamagata] [Yamagata]</td>
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<tr>
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<tr>
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<td>高知県 [Kagawa] [Takamatsu]</td>
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<tr>
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<tr>
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</tr>
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<td>高知県 [Kagawa] [Takamatsu]</td>
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<tr>
<td>広島県 [Hiroshima] [Hiroshima]</td>
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<tr>
<td>佐賀県 [Saga] [Saga]</td>
<td>&lt; 0.24 &lt; 0.054 0.050</td>
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<tr>
<td>長崎県 [Oita] [Oita]</td>
<td>&lt; 0.16 &lt; 0.080 0.068</td>
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<td>長崎県 [Oita] [Oita]</td>
<td>&lt; 0.060 &lt; 0.039 0.032</td>
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<tr>
<td>青森県 [Morioka] [Morioka]</td>
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<tr>
<td>長崎県 [Oita] [Oita]</td>
<td>&lt; 0.099 &lt; 0.044 0.044</td>
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<tr>
<td>神奈川県 [Kanagawa] [Kamakura]</td>
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<tr>
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<td>&lt; 0.034 &lt; 0.037 0.030</td>
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</table>

1. 地方政府の監督下に各都道府県の放射性物質濃度の観測を行っている。 [The table was made by Nuclear Regulation Authority, based on the reports from prefectures.]
2. 材料時刻で測定された放射能の測定結果 [Measurements of fallout collected during the month.]
3. 検出下限値は試料及び測定の状況により、都道府県によって異なる。 [The minimum detected activity of I-131, Cs-134 and Cs-137, contingent on samples or measurement conditions, are different for each prefecture.]
4. 「< XX」は放射性物質濃度が検出下限値(XX)未満であることを表す。「< XX」 means that radioactivity concentration is lower than the detection limit XX. ]
Concentration ranges of radioactive Cs in monthly fallout, in Fukushima prefecture

※An open circle shows the detection limit for the case where Cs was not detected.
福島第一原子力発電所近傍海域の海水の放射性物質濃度測定結果
（東京電力ホールディングス株式会社の発表をもとに作成※1）
試料採取日: 令和4年11月21日

Radioactivity concentration in the seawater near Fukushima Dai-ichi NPP
(Based on the press release of TEPCO※1)
Sampling Date: Nov 21, 2022

令和4年12月27日
Dec 27, 2022

採取場所

TABLE

<table>
<thead>
<tr>
<th>採取日 Sampling Date</th>
<th>放射性物質濃度 (Bq/L) Radioactivity concentration (Bq/L)</th>
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<td>Cs-134</td>
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<tr>
<td>2022/8/8 8:05</td>
<td>0.0036</td>
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<tr>
<td>2022/8/17 8:17</td>
<td>0.0024</td>
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<tr>
<td>2022/8/25 8:25</td>
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<td>2022/9/19 8:00</td>
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<tr>
<td>2022/9/26 8:00</td>
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<tr>
<td>2022/10/3 8:35</td>
<td>&lt; 0.0013</td>
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<td>2022/10/10 8:15</td>
<td>0.0023</td>
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<tr>
<td>2022/10/17 8:00</td>
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<tr>
<td>2022/10/24 8:10</td>
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<td>2022/10/31 8:05</td>
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<td>2022/11/21 8:30</td>
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</tbody>
</table>

※1 東京電力ホールディングス株式会社の発表
※2 Analytical method: Evaporation drying method
※3 因为确保在采样作业时的辐射安全，从2021年12月17日起采样点从1～4号发电机出口处改在东南约1300米处。

参考
福島第一原発事故以前の海水のモニタリング結果:
(https://radioactivity.nsr.go.jp/ja/contents/9000/8483/24/Beforedisaster.pdf)
Results of radiation monitoring before the accident at TEPCO’s Fukushima Dai-ichi NPP Nuclear Power Station.
(https://radioactivity.nsr.go.jp/ja/contents/9000/8483/24/Beforedisaster.pdf)
Concentration ranges of Cs-137 in sea-water near the Fukushima Daiichi NPS surveyed by TEPCO

Concentration ranges of Sr-90 in sea-water near the Fukushima Daiichi NPS surveyed by TEPCO
福島第一原子力発電所 近傍海域の海水モニタリング結果
Readings of Sea Area Monitoring near Fukushima Dai-ichi NPP

試料採取日：令和4年10月7日、11月12日
(Sampling Date: Oct 7, Nov 12, 2022)

<table>
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<tr>
<th>採取場所 Sampling Point</th>
<th>採取日 Sampling Date</th>
<th>採取深度 Sampling Depth (m)</th>
<th>放射性物質濃度 (Bq/L) Radioactivity concentration (Bq/L)</th>
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</thead>
<tbody>
<tr>
<td>採取日 Date</td>
<td>試料採取日: 令和4年10月7日、11月12日 (Sampling Date: Oct 7, Nov 12, 2022)</td>
<td></td>
<td></td>
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| M-101  | 2021/12/15 | 0.5 | 0.00087 | 0.025 | 0.0027 | 0.13 |
|        | 2022/1/12  | 0.5 | 0.0010  | 0.030  | 0.0014  | 0.13 |
|        | 2022/2/3   | 0.5 | 0.00084 | 0.024  | 0.0010  | 0.14 |
|        | 2022/3/3   | 0.5 | 0.0015  | 0.043  | 0.0012  | 0.12\*1 |
|        | 2022/4/21  | 0.5 | < 0.00064 | 0.013  | 0.0014  | 0.14 |
|        | 2022/5/20  | 0.5 | 0.00086 | 0.028  | 0.0013  | 0.076 |
|        | 2022/6/10  | 0.5 | < 0.00062 | 0.010  | 0.00080 | 0.15 |
|        | 2022/7/20  | 0.5 | < 0.00046 | 0.013  | 0.0013  | 0.18 |
|        | 2022/8/25  | 0.5 | < 0.00053 | 0.0024 | 0.00085 | 0.11 |
|        | 2022/9/16  | 0.5 | 0.00098 | 0.033  | 0.0014  | 0.071 |
|        | 2022/10/7  | 0.5 | < 0.00045 | 0.0081 | 0.0012  | 0.081 |
|        | 2022/11/12 | 0.5 | < 0.00049 | 0.013  | 0.0012  | 0.081 |

| M-102  | 2021/12/14 | 0.5 | 0.0011 | 0.018  | 0.0020 | 0.12 |
|        | 2021/1/15  | 0.5 | < 0.00053 | 0.0036 | 0.0013  | < 0.056 |
|        | 2022/2/4   | 0.5 | 0.00052 | 0.011  | 0.00078 | 0.15 |
|        | 2022/3/4   | 0.5 | 0.00056 | 0.0068 | 0.00075 | 0.085\*1 |
|        | 2022/4/21  | 0.5 | < 0.00050 | 0.0090 | 0.00068 | 0.12 |
|        | 2022/5/20  | 0.5 | < 0.00043 | 0.013  | 0.00094 | 0.089 |
|        | 2022/6/10  | 0.5 | < 0.00054 | 0.013  | 0.0018  | 0.13 |
|        | 2022/7/20  | 0.5 | < 0.00051 | 0.0043 | 0.00084 | 0.14 |
|        | 2022/8/25  | 0.5 | < 0.00043 | 0.0026 | 0.00091 | 0.099 |
|        | 2022/9/16  | 0.5 | < 0.00051 | 0.0082 | 0.0012  | 0.084 |
|        | 2022/10/7  | 0.5 | < 0.00047 | 0.0073 | 0.00079 | 0.087 |
|        | 2022/11/12 | 0.5 | < 0.00049 | 0.0046 | 0.0012  | 0.087 |

| M-103  | 2021/12/15 | 0.5 | 0.00073 | 0.017  | 0.0010  | < 0.057 |
|        | 2021/1/13  | 0.5 | < 0.00054 | 0.012  | 0.00096 | < 0.056 |
|        | 2022/2/3   | 0.5 | < 0.00056 | 0.0082 | 0.00086 | 0.067 |
|        | 2022/3/3   | 0.5 | < 0.00056 | 0.010  | 0.00090 | 0.084\*1 |
|        | 2022/4/21  | 0.5 | < 0.00048 | 0.0098 | 0.00097 | 0.13 |
|        | 2022/5/20  | 0.5 | < 0.00055 | 0.0051 | 0.00093 | 0.12 |
|        | 2022/6/10  | 0.5 | < 0.00050 | 0.010  | 0.00099 | 0.21 |
|        | 2022/7/20  | 0.5 | < 0.00050 | 0.0063 | 0.00090 | 0.15 |
|        | 2022/8/25  | 0.5 | < 0.00053 | 0.0028 | 0.0011  | 0.10 |
|        | 2022/9/16  | 0.5 | < 0.00049 | 0.010  | 0.00095 | 0.12 |
|        | 2022/10/7  | 0.5 | < 0.00049 | 0.0043 | 0.00085 | 0.14 |
|        | 2022/11/12 | 0.5 | < 0.00050 | 0.0083 | 0.0012  | 0.088 |

| M-104  | 2021/12/14 | 0.5 | < 0.00052 | 0.013  | 0.00070 | 0.073 |
|        | 2021/1/15  | 0.5 | < 0.00052 | 0.0034 | 0.00092 | 0.067 |
|        | 2022/2/4   | 0.5 | < 0.00056 | 0.0070 | 0.00077 | 0.12 |
|        | 2022/3/4   | 0.5 | < 0.00049 | 0.0047 | 0.00078 | 0.068\*1 |
|        | 2022/4/21  | 0.5 | < 0.00052 | 0.0063 | 0.00090 | 0.15 |
|        | 2022/5/20  | 0.5 | < 0.00049 | 0.011  | 0.00095 | 0.088 |
|        | 2022/6/10  | 0.5 | < 0.00045 | 0.0082 | 0.0012  | 0.15 |
|        | 2022/7/20  | 0.5 | < 0.00055 | 0.0058 | 0.00076 | 0.21 |
|        | 2022/8/25  | 0.5 | < 0.00049 | 0.0030 | 0.00087 | 0.083 |
|        | 2022/9/16  | 0.5 | < 0.00050 | 0.0038 | 0.0011  | 0.16 |
|        | 2022/10/7  | 0.5 | < 0.00052 | 0.0031 | 0.00077 | 0.083 |
|        | 2022/11/12 | 0.5 | < 0.00043 | 0.0028 | 0.00077 | 0.083 |
原子力規制委員会の委託事業により、（公財）海洋生物環境研究所が採取した試料を用いて、
（公財）海洋生物環境研究所[Cs, H-3]、（株）KANSOテクノス[Sr]が分析。
Analysis by Marine Ecology Research Institute (MERI)[Cs, H-3] and KANSO Co.,Ltd.[Sr] of the samples collected by
MERI at the request of Nuclear Regulation Authority (NRA).

※1（株）KANSOテクノス[H-3]が分析。
※1 Analysis by KANSO Co.,Ltd.[H-3].

「< XX」は、放射性物質濃度が検出下限値(XX)未満であることを示す。
“< XX” means that radioactivity concentration is lower than the detection limit XX.

太字下線データが今回追加分。
Boldface and underlined readings are new.

採取場所の緯度経度は下記 URL を参照。
Refer to the URL below for the latitude and longitude of the sampling points.
https://radioactivity.nsr.go.jp/ja/contents/17000/16507/view.html
Concentration ranges of Cs-137 in sea-water near the Fukushima Daiichi NPS surveyed by the NRA

Concentration ranges of Sr-90 in sea-water near the Fukushima Daiichi NPS surveyed by the NRA
海水中トリチウム濃度の推移

Concentration ranges of Tritium in sea-water near and offshore of Fukushima Daiichi NPP

* 図中の■は東京電力ホールディングス福島第一原子力発電所を示す。
* The mark ■ indicates the location of Fukushima Daiichi NPP.

原子力規制委員会
Nuclear Regulation Authority (NRA)

令和4年12月20日
Dec 20, 2022
福島第一原子力発電所近傍海域の海水の放射性物質濃度測定結果
（福島県の発表をもとに作成※1）

Radioactivity concentration in the seawater near Fukushima Dai-ichi NPP
（Based on the press release of Fukushima Prefecture※1）

<table>
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<th>取水口付近</th>
<th>Sampling date</th>
<th>Ca-134</th>
<th>Ca-137</th>
<th>H-3</th>
<th>Sr-90</th>
<th>Pu-238</th>
<th>Pu-239+240</th>
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※1: 比放射線活性度（Bq/L）

放射性物質濃度（Bq/L）
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<tr>
<th>採取日</th>
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<th>Cs-137</th>
<th>H-3</th>
<th>全β</th>
<th>Sr-90</th>
<th>Pu-238</th>
<th>Pu-239+240</th>
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Concentration ranges of Cs-137 in sea-water near the Fukushima Daiichi NPS surveyed by Fukushima prefecture

Sampling point No.:
- Cs-137 F-P01
- Cs-137 F-P02
- Cs-137 F-P03
- Cs-137 F-P04

Concentration ranges of Sr-90 in sea-water near the Fukushima Daiichi NPS surveyed by Fukushima prefecture

Sampling Point No.:
- Sr-90 F-P01
- Sr-90 F-P02
- Sr-90 F-P03
- Sr-90 F-P04

※ An open circle shows the detection limit for the case where Sr-90 was not detected.
福島第一原子力発電所近傍海域の海水採取ポイント
( Seawater sampling points near Fukushima Dai-ichi NPP )

*図中の は東京電力ホールディングス（株）福島第一原子力発電所を示す。
*The legend indicates the location of TEPCO Fukushima Dai-ichi NPP.
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<th>取扱日</th>
<th>取扱場所</th>
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* 太字下線データが今回追加分。 Boldface and underlined readings are new.
* 「< XX」は放射性物質濃度が検出下限値(XX)未満であることを表す。
* "< XX" means that radioactivity concentration is lower than the detection limit XX.
* 採取場所の詳細経度はURLを参照。（https://radioactivity.nsr.go.jp/ja/contents/17000/16507/view.html）
* Refer to the URL for the latitude and longitude of the sampling points. (https://radioactivity.nsr.go.jp/ja/contents/17000/16507/view.html)
* 参考：東京電力ホールディングス㈱の発表（https://www.tepco.co.jp/ja/decommission/data/analysis/index.html)
* 2分析方法：蒸発乾燥法 ※2 Analytical method: Evaporation drying method
### 採取場所

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<th>Sampling Date</th>
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<th>Radioactivity concentration (Bq/L)</th>
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放射性物質濃度（Bq/L）
Radioactivity concentration (Bq/L)

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下層(海底より2~3m上) Lower Layer
上層(表層~2m) Outer Layer
Concentration ranges of Cs-137 in sea-water around the Fukushima Daiichi NPS surveyed by TEPCO
福島第一原子力発電所沿岸海域の海水の放射性物質濃度測定結果
（福島県の発表をもとに作成※1）

Radioactivity concentration in the seawater around Fukushima Dai-ichi NPP
（Based on the press release of Fukushima Prefecture※1）

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<tr>
<th>採取日</th>
<th>Cs-134</th>
<th>Cs-137</th>
<th>H-3</th>
<th>全β</th>
<th>Sr-90</th>
<th>Pu-238</th>
<th>Pu-239+240</th>
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<th>H-3</th>
<th>全β</th>
<th>Sr-90</th>
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※1 福島県の発表=https://www.pref.fukushima.lg.jp/site/portal/genan208.html
※1 Press release of Fukushima Prefecture (https://www.pref.fukushima.lg.jp/site/portal/genan208.html)

※2 "< XX"は、放射性物質濃度が検出下限値(XX)未満であることを表す。
※2 "< XX" means that radioactivity concentration is lower than the detection limit XX.
Concentration ranges of Sr-90 in sea-water around the Fukushima Daiichi NPS surveyed by Fukushima prefecture

Concentration ranges of Cs-137 in sea-water around the Fukushima Daiichi NPS surveyed by Fukushima prefecture

※An open circle shows the detection limit for the case where Sr-90 was not detected.
福島第一原子力発電所沿岸海域の海水採取ポイント
（Seawater sampling points near and around Fukushima Dai-ichi NPP）

* 図中の×は東京電力ホールディングス株式会社福島第一原子力発電所を示す。
* The mark × indicates the location of TEPCO Fukushima Dai-ichi NPP.
福島第一原子力発電所近傍・沿岸海域の底土の放射性物質濃度分布
（東京電力ホールディングス㈱の発表をもとに作成※1）
試料採取日: 令和4年11月1日～12月7日
悪天候により採取中止: T-B3, T-B4, T-12, T-17～1, T-20

Radioactivity concentration in the sediment near and around Fukushima Dai-ichi NPP
(Based on the press release of TEPCO※2)
Sampling Date: Nov 1 ~ Dec 7, 2022
No samples due to bad weather at points T-B3, T-B4, T-12, T-17～1, T-20

令和4年12月27日
Dec 27, 2022

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<th>取措日 Sampling Date</th>
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※1 To refer to the URL for the latitude and longitude of the sampling points. (https://radioactivity.nsr.go.jp/ja/contents/17000/16507/view.html)<br>※2 "< XX " means that radioactivity concentration is lower than the detection limit XX.
放射性物質濃度 (Bq/kg・乾土)  
Radioactivity concentration (Bq/kg・dry soil)

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<th>Cs-137</th>
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採取中止(No samples)
Concentration ranges of Cs-137 in sea-sediment near the Fukushima Daiichi NPS surveyed by TEPCO
Concentration ranges of Cs-137 in sea-sediment around the Fukushima Daiichi NPS surveyed by TEPCO
図中の■及び▼は東京電力ホールディングス㈱福島第一原子力発電所及び福島第二原子力発電所を示す。

The marks ■ and ▼ indicates the locations of TEPCO Dai-ichi and Dai-ni NPPs, respectively.
福島第一原子力発電所近傍海域の海底土の放射性物質濃度測定結果
（福島県の発表をもとに作成※1）

Radioactivity concentration in the sediment near Fukushima Dai-ichi NPP
(Based on the press release of Fukushima Prefecture※1)

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※1 福島県の発表(https://www.pref.fukushima.lg.jp/site/portal/genan208.html)
※2 "< XX"は、放射性物質濃度が検出下限値(XX)未満であることを表す。
福島第一原子力発電所沿岸海域の海底土の放射性物質濃度測定結果
（福島県の発表をもとに作成※1）

Radioactivity concentration in the sediment around Fukushima Dai-ichi NPP
（Based on the press release of Fukushima Prefecture※1）

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<th>採取場所</th>
<th>採取日</th>
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<th>Sr-90</th>
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※1 福島県の発表(https://www.pref.fukushima.lg.jp/site/portal/genan208.html)

※1 Press release of Fukushima Prefecture (https://www.pref.fukushima.lg.jp/site/portal/genan208.html)

※2 "< XX"は、放射性物質濃度が検出下限値(XX)未満であることを表す。
※2 "< XX" means that radioactivity concentration is lower than the detection limit XX.
Concentration ranges of Cs-137 in sea-sediment near and around the Fukushima Daiichi NPS surveyed by Fukushima prefecture

Concentration ranges of Sr-90 in sea-sediment near and around the Fukushima Daiichi NPS surveyed by Fukushima prefecture

※An open circle shows the detection limit for the case where Sr-90 was not detected.
福島第一原子力発電所近傍海域の福島県による採泥ポイント
(Sediment sampling points near Fukushima Dai-ichi NPP)

*図中の✓は東京電力ホールディングス(株)福島第一原子力発電所を示す。
*The legend✓ indicates the location of TEPCO Fukushima Dai-ichi NPP.
福島第一原子力発電所沿岸海域の福島県による採泥ポイント
(Sediment sampling points around Fukushima Dai-ichi NPP)

*図中の十は東京電力ホールディングス（株）福島第一原子力発電所を示す。
*The legend indicates the location of TEPCO Fukushima Dai-ichi NPP.