

Environmental Monitoring results and analyses (detailed)

---- The 2nd Quarter of FY2018 ---
(From July 1 to September 30, 2018)

November 19, 2018
The Nuclear Regulation Authority, Japan

In accordance with the “Comprehensive Radiation Monitoring Plan”, the relevant organizations released the monitoring data in the period from July 1 to September 30, 2018 and analyzed them. This monitoring scheme aims to make a continuous measurement of air dose rates and 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 and neighboring prefectures

【 Land area 】

1 Air dose rate

The air dose rate was in a decreasing trend and no significant change was identified.

Air dose rate

Survey organizations: NRA (The Nuclear Regulation Authority)

and Fukushima prefectural government

Sampling period: June 1 – August 31, 2018

Sampling points: Fukushima prefecture

Sampling method: Measurement using monitoring posts

Survey results: Refer to the following URL

<http://radioactivity.nsr.go.jp/map/ja/> (Air dose rates across the country)

2 Concentration of radioactive materials in floating dust in the air

The radioactivity in dust samplings was in a decreasing trend and no significant change was identified.

(All samples during the survey period were below the concentration limit (Note 1) specified by the law.)

(i) Survey organization : NRA

Sampling period : June 12 - August 16, 2018

Sampling points : within 20 km from Fukushima Daiichi NPS (6 points)

Survey results : Concentration of Cs-134 is from "ND" (not detectable) to 0.000054 Bq/m³; concentration of Cs-137 is from "ND" (not detectable) to 0.0011 Bq/m³.

(Refer to Attached Document pages p.1-3)

(ii) Survey organizations : NRA, Fukushima prefectural government

Sampling period : June 4 - August 29, 2018

Sampling points : within 20 km from Fukushima Daiichi NPS (5 points)

Survey results : Concentration range of Cs-134 was ND;
concentration range of Cs-137 was from ND to 0.00013 Bq/m³.

(Refer to Attached Document pages p.4-6)

3 Concentration of radioactive materials in monthly fallout

The concentration of radioactive materials in monthly fallout showed a decreasing trend and no significant change was identified.

(i) Survey organization: Fukushima prefectural government

Sampling period: June - August 2018

Sampling points: Fukushima city (Houkida) and Futaba-gun in Fukushima prefecture

Analytical method: Measurement after concentrating all collected samples

Survey Results:

Concentration range of Cs-134

- Fukushima City (Houkida): from 0.72 to 0.88 MBq/km²/month
- Futaba-gun: from 3.5 to 10 MBq/km²/month

Concentration range of Cs-137

- Fukushima City (Houkida) : from 7.0 to 8.8 MBq/km²/month
- Futaba-gun : from 35 to 100 MBq/km²/month

(See Attached Document pages 7 to 9)

The concentration ranges are shown in the charts.

(See Attached Document page 10)

[Sea Area]

4 Concentration of radioactive materials in the seawater

The concentrations of radioactive materials in seawater samplings were in a decreasing trend and no significant change was identified.

① Seawater near the Fukushima Daiichi NPS

- Cs-134 and Cs-137 analyses

(All the samples during the survey period are below the concentration limit (Note 1) specified by the law.)

(i) Survey organization: TEPCO

Sampling period: May 28 - August 27, 2018

Analytical method: Coprecipitation method with ammonium phosphomolybdic acid, sample amount: 20 L

Measurement time: 5,000 seconds

Survey result: The concentration range of Cs-134 is from 0.00016 to 0.031 Bq/L ; Cs-137 is from 0.019 to 0.34 Bq / L.

(See Attached Document page 11)

The concentration ranges are shown in the charts.

(See Attached Document page 12)

(ii) Survey organization: the NRA

Sampling period: February 1 - April 20, 2018

Analytical method: Coprecipitation method using ammonium phosphomolybdic acid, sample amount 40 L

Measurement time: 25,000 seconds

Survey results: The concentration range of Cs-134 is from 0.00084 to 0.0060 Bq/L ; Cs-137 is from 0.0070 to 0.055 Bq/L

(See Attached Document page 13)

The concentration ranges are shown in the charts.

(See Attached Document page 14)

(iii) Survey organization: Fukushima Prefecture

Sampling period: April 20 - June 14, 2018

Analytical method: Coprecipitation method using ammonium phosphomolybdic acid, sample amount 30 L

Measurement time: 80,000 seconds

Survey results: The concentration range of Cs-134 is from ND to 0.008 Bq/L ; Cs-137 is from 0.008 to 0.086 Bq/L.

(See Attached Document page 15)

The concentration ranges are shown in the charts.

(See Attached Document page 17)

- H-3 analysis

(All the samples during the survey period are below the concentration limit (Note 1) specified by the law.)

(i) Survey organization: NRA
Sampling period: February 1, 2018
Analytical method: Electrolytic enrichment technique
Sampling amount: 10 mL
Measurement time: 60,000 seconds
Survey result: The concentration ranges of H-3 is from 0.061 to 0.15 Bq/L
(See Attached Document page 13)

(ii) Survey organization: Fukushima prefectural government
Sampling period: April 20 - June 14, 2018
Analytical method: Reduced-pressure distillation
Sampling amount: 50 mL
Measurement time: 30,000 seconds
Survey result: The concentration ranges of H-3 are all ND.
(See Attached Document page 15)

· Sr-90 analysis

(All the samples during the survey period are below the concentration limit (Note 1) specified by the law.)

(i) Survey organization: TEPCO
Sampling period: June 4 - August 6, 2018
Analytical method: Y-90 milking method
Sampling amount: 40 L
Measurement time: 6,000 seconds
Survey result: The concentration ranges of Sr-90 are from 0.0010 to 0.0060 Bq/L. (See Attached Document page 11)

The concentration ranges are shown in the charts.
(See Attached Document page 12)

(ii) Survey organization: NRA
Sampling period: February 1 - April 4, 2018
Analytical method: Y-90 milking method
Sampling amount: 40 L
Measurement time: 3,600 seconds
Survey result: The concentration ranges of Sr-90 are from 0.00087 to 0.015 Bq/L. (See Attached Document page 13)

The concentration ranges are shown in the charts.
(See Attached Document page 14)

(iii) Survey organization: Fukushima Prefecture
Sampling period: April 20 - June 14, 2018
Analytical method: Y-90 milking method
Sampling amount: 40 L

Measurement time: 6,000 seconds

Survey result: The concentration range of Sr-90 are from 0.0006 to 0.013 Bq/L. (See Attached Document page 15)

The concentration ranges are shown in the charts.

(See Attached Document page 17)

② Radioactivity concentration in seawater around Fukushima Daiichi NPS

• Cs-134 and Cs-137 Analysis

(i) Survey organization: TEPCO

Sampling period: May 28 - August 29, 2018

Analysis method: Coprecipitation using ammonium phosphomolybdic acid

Sample amount: 20 , 30 L

Measuring time: 5,000 - 80,000 seconds

Survey results: The concentration range of Cs-134 is from ND to 0.0053 Bq/L ; Cs-137 is from 0.0019 to 0.046 Bq/L.

(See Attached Document pages 20-25)

The concentration ranges at the main points are shown in the charts.

(See Attached Document page 26)

(ii) Survey organization: Fukushima prefectural government

Sampling period: April 20 - June 14, 2018

Analysis method: Coprecipitation using ammonium phosphomolybdic acid

Sample amount: 30 L

Measuring time: 80,000 seconds

Survey results: The concentration range of Cs-134 is all ND ; Cs-137 is from 0.005 to 0.014 Bq/L.

(See Attached Document page 16)

The concentration ranges at the main points are shown in the charts.

(See Attached Document page 18)

• H-3 Analysis

(i) Survey organization: TEPCO

Sampling period: June 4 - August 25, 2018

Analysis method: Atmospheric distillation

Sample amount: 50 mL

Measuring time: 42,000 seconds

Survey result: The concentration range of H-3 is from ND to 0.67 Bq/L.

(See Attached Document pages 20-22)

(ii) Survey organization: Fukushima prefectural government

Sampling period: April 20 - June 14, 2018

Analysis method: Reduced-pressure distillation

Sample amount: 50 mL

Measuring time: 30,000 seconds

Survey result: The concentration of H-3 is all ND.

(See Attached Document pages 16)

• Sr-90 Analysis

(i) Survey organization: TEPCO

Sampling period: June 4 - August 6, 2018

Analysis method: Y-90 milking method

Sample amount: 40 L

Measuring time: 6,000 seconds

Survey result: The concentration range of Sr-90 is from 0.00076 to

0.0018 Bq/L. (See Attached Document pages 21-22)

(ii) Survey organization: Fukushima prefectural government

Sampling period: April 20 - June 14, 2018

Analysis method: Y-90 milking method

Sample amount: 40 L

Measuring time: 3,600 seconds

Survey result: The concentration range of Sr-90 is from ND to 0.0011 Bq/L.

(See Attached Document page 16)

The concentration ranges are shown in the charts.

(See Attached Document page 18)

5 Concentration of radioactive materials in sediment in the sea

The concentration of radioactive materials in the sea sediment showed a decreasing trend and no significant change was identified.

① Sea-sediment near the Fukushima Daiichi NPS

· Cs-134 and Cs-137 analyses

(i) Survey organization: TEPCO

Sampling period: August 6, 2018

Survey result: The concentration of Cs-134 is 14, 24 Bq/kg ;

Cs-137 is 150, 270 Bq/kg. (See Attached Document page 28)

The concentration ranges are shown in the charts.

(See Attached Document page 30)

(ii) Survey organization: Fukushima Prefecture

Sampling period: June 16, 2018

Survey results: The concentration rang of Cs-134 is from 3.4 to 38 Bq/kg ;

Cs-137 is from 32 to 360 Bq/kg.

(See Attached Document page 32)

The concentration rang of Sr-90 is from ND to 0.22 Bq/kg.
(See Attached Document page 32)

The concentration ranges are shown in the charts.
(See Attached Document page 34)

② Sea-sediment around the Fukushima Daiichi NPS

- Cs-134 and Cs-137 analyses

(i) Survey organization: TEPCO

Sampling period: August 2 - 31, 2018

Survey result: The concentration rang of Cs-134 is from ND to 26 Bq/kg ;
Cs-137 is from ND to 290 Bq/kg.

(See Attached Document pages 28,29)

The concentration ranges are shown in the charts.
(See Attached Document page 31)

(ii) Survey organization: Fukushima Prefecture

Sampling period: June 16, 2018

Survey results: The concentration of Cs-134 is 3.5、3.6 Bq/kg ;
Cs-137 is 34、40 Bq/kg (See Attached Document page 33)
The concentration of Sr-90 is all ND.

(See Attached Document page 33)

The concentration ranges are shown in the charts.
(See Attached Document page 34)

II. Nationwide Environmental Monitoring (land/sea) excluding Fukushima prefecture

1. Air dose rates (Survey organization: NRA)

Nationwide air dose rates have been on the similar levels as those before the accident. No significant change was identified.

- Refer to the following URL for nationwide air dose rates:

<http://radioactivity.nsr.go.jp/map/ja/>

- Refer to the following URL for the locations of monitoring posts across Japan:

http://radioactivity.nsr.go.jp/en/contents/13000/12100/24/192_20170603_20170604.pdf

2. Concentration of radioactive materials in monthly fallout

(Survey results of radioactivity levels in the environment)

(Monitoring points: 46 prefectures (excluding Fukushima city and Futaba-gun in Fukushima prefecture)

The concentration of radioactive materials in monthly fallout showed a decreasing trend in general. No significant change was identified.

Sampling period: June - August 2018

Analytical method: Measurement after concentrating all collected samples

Survey Results:

Concentration range of Cs-134 is from ND to 0.19 MBq/km²/month;

Cs-137 is from ND to 2.1 MBq/km²/month.

(See Attached Document pages 7 to 9)

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 (Survey organization: the Ministry of the Environment)

Refer to the following URL of the Ministry of the Environment for the monitoring results:

http://www.env.go.jp/jishin/monitoring/results_r-pw.html

4. Sea Area Monitoring at the Outer Sea (Seawater) (Survey organization: Japan Coast Guard)

Refer to the following URL of Japan Coast Guard for the monitoring results:

<http://www1.kaiho.mlit.go.jp/KANKYO/osen/housha/moni/moni20171130.pdf>

5. Concentration of radioactive materials at the entrance of Tokyo Bay
(Survey organization: MLIT)

Refer to the following URL of MLIT for monitoring results:

<http://www.pa.ktr.mlit.go.jp/kyoku/radiation/index.htm>

III. Other monitoring results

Monitoring results of foodstuff

Refer to the following URLs:

- ① Concentration of radioactive materials in foodstuff:

http://www.mhlw.go.jp/shinsai_jouhou/shokuhin.html

- ② Concentration of radioactive materials in marine products:

<http://www.jfa.maff.go.jp/j/housyanou/kekka.html>

- ③ Securing safety in the quality of alcoholic beverages against radioactive materials:

<https://www.nta.go.jp/taxes/sake/anzen/radioactivity.htm>

④ Inspections of radioactive materials in tap water:

http://www.mhlw.go.jp/shinsai_jouhou/suidou.html

For reference (TEPCO):

<http://www.tepco.co.jp/decommision/planaction/monitoring/index-j.html>

(Note 1)

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

The concentration limit of radioactive material in the seawater outside the monitoring areas near the Fukushima Daiichi NPS:

I-131 : 40Bq/L、Cs-134 : 60Bq/L、Cs-137 : 90Bq/L、Sr-90:30Bq/L、H-3:60,000Bq/L

The concentration limit of radioactive material in the air outside the monitoring areas near the Fukushima Daiichi NPS:

I-131 : 5Bq/m³、Cs-134 : 20Bq/m³、Cs-137 : 30Bq/m³

福島第一原子力発電所20km圏内の大気浮遊じん放射性物質濃度測定結果

Readings of dust samplings in 20km Zone of Fukushima Dai-ichi NPP

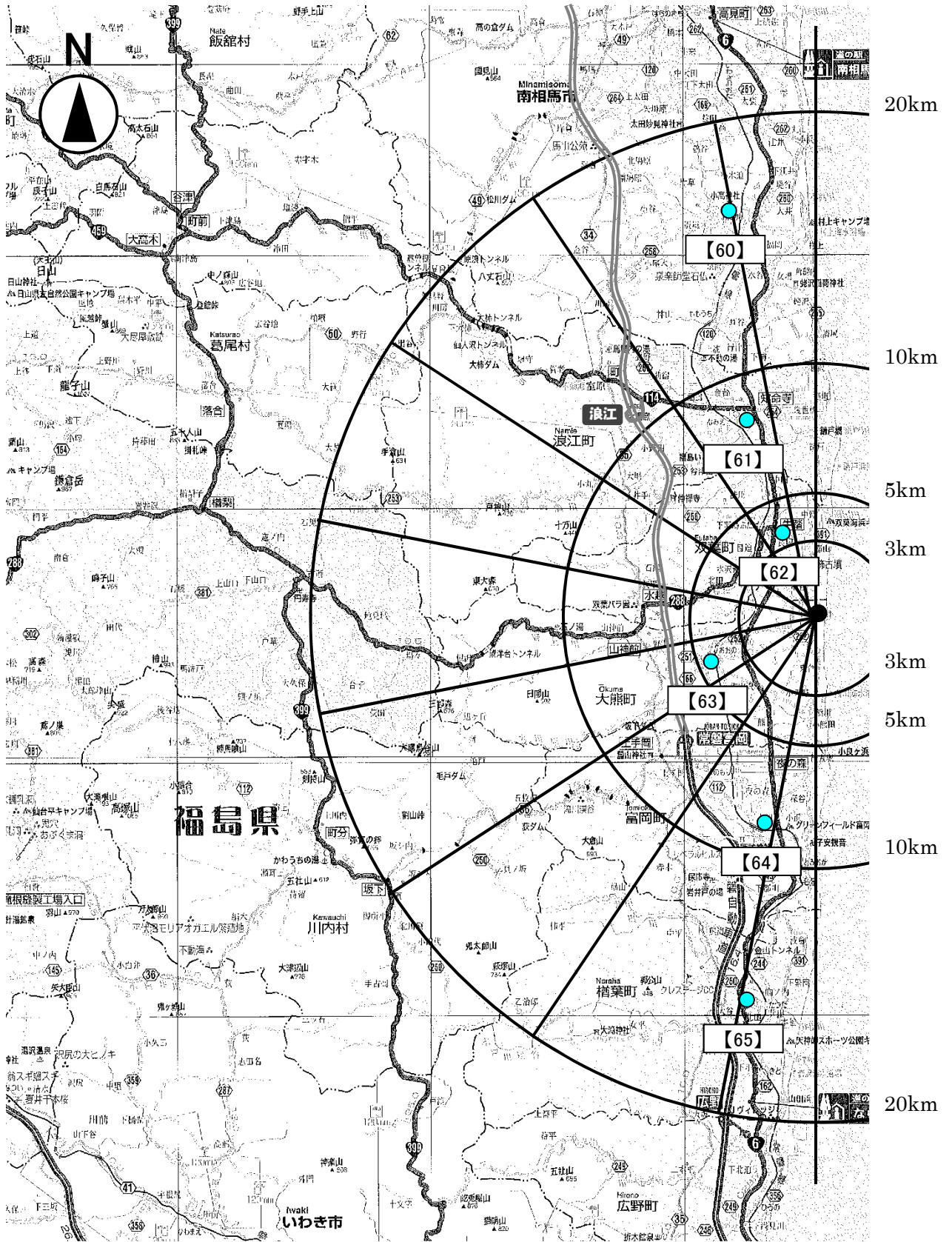
平成30年9月21日 Sep 21, 2018
原子力規制委員会 NRA

採取地点 Sampling Point	更新 Data updated	試料採取期間 Sampling period	放射性物質濃度 Radioactivity (Bq/m ³) *			空間線量率 Air dose rate (μ Sv/h)	備考 Remarks
			(検出限界値 Minimum Detectable Activity (Bq/m ³))				
			Cs-134	Cs-137	その他の人工核種 Other anthropogenic radionuclides		
60 南相馬市小高区本町 Minamisoma city Odaka ward Motomachi	○	2018/8/14 12:09 ~ 2018/8/16 12:09	ND (0.000031)	0.00011 ± 0.000011	ND	0.1	
		2018/7/10 12:05 ~ 2018/7/12 12:05	ND (0.000028)	0.000095 ± 0.000011	ND	0.1	
		2018/6/12 11:41 ~ 2018/6/14 11:41	ND (0.000029)	0.000029 ± 0.0000089	ND	0.1	
		2018/5/8 12:00 ~ 2018/5/10 12:00	ND (0.000028)	ND (0.000027)	ND	0.1	
		2018/4/10 11:48 ~ 2018/4/12 11:48	ND (0.000031)	0.00012 ± 0.000011	ND	0.1	
61 双葉郡浪江町大字幾世橋 Futaba county Namie town oaza Kiyohashi	○	2018/8/14 11:44 ~ 2018/8/16 11:44	0.000031 ± 0.0000085	0.00019 ± 0.000012	ND	0.1	
		2018/7/10 11:46 ~ 2018/7/12 11:46	0.000054 ± 0.0000097	0.00045 ± 0.000016	ND	0.1	
		2018/6/12 11:27 ~ 2018/6/14 11:27	ND (0.000029)	0.000068 ± 0.0000094	ND	0.1	
		2018/5/8 11:36 ~ 2018/5/10 11:36	ND (0.000031)	0.000034 ± 0.0000095	ND	0.1	
		2018/4/10 11:24 ~ 2018/4/12 11:24	0.000062 ± 0.000011	0.00053 ± 0.000016	ND	0.1	
62 双葉郡双葉町新山前沖 Futaba county Futaba town Shinzanmaeoki	○	2018/8/14 9:20 ~ 2018/8/14 15:20	ND (0.00022)	0.00023 ± 0.000072	ND	0.4	
		2018/7/10 9:09 ~ 2018/7/10 15:09	ND (0.00022)	0.0011 ± 0.000091	ND	0.4	
		2018/6/12 9:09 ~ 2018/6/12 15:09	ND (0.00019)	0.00071 ± 0.000077	ND	0.4	
		2018/5/8 9:12 ~ 2018/5/8 15:12	ND (0.00021)	ND (0.00021)	ND	0.4	
		2018/4/10 9:10 ~ 2018/4/10 15:10	ND (0.00025)	0.00034 ± 0.000073	ND	0.4	
63 双葉郡大熊町大字下野上 Futaba county Okuma town oaza Shimonogami	○	2018/8/14 11:03 ~ 2018/8/16 11:03	ND (0.000031)	0.00012 ± 0.000012	ND	0.5	
		2018/7/10 11:05 ~ 2018/7/12 11:05	ND (0.000030)	0.00022 ± 0.000012	ND	0.5	
		2018/6/12 10:45 ~ 2018/6/14 10:45	0.000028 ± 0.0000085	0.00025 ± 0.000013	ND	0.5	
		2018/5/8 10:58 ~ 2018/5/10 10:58	ND (0.000028)	0.000076 ± 0.000010	ND	0.5	
		2018/4/10 10:45 ~ 2018/4/12 10:45	ND (0.000028)	0.00013 ± 0.000011	ND	0.6	
64 双葉郡富岡町大字本岡 Futaba county Tomioka town oaza Motooka	○	2018/8/14 10:31 ~ 2018/8/16 10:31	ND (0.000029)	0.00014 ± 0.000012	ND	0.3	
		2018/7/10 10:25 ~ 2018/7/12 10:25	ND (0.000043)	0.00016 ± 0.000011	ND	0.3	
		2018/6/12 10:11 ~ 2018/6/14 10:11	ND (0.000027)	0.000097 ± 0.000010	ND	0.3	
		2018/5/8 10:27 ~ 2018/5/10 10:27	ND (0.000028)	0.000060 ± 0.0000097	ND	0.3	
		2018/4/10 10:17 ~ 2018/4/12 10:17	ND (0.000027)	0.00015 ± 0.000011	ND	0.3	

採取地点 Sampling Point	更新 Data updated	試料採取期間 Sampling period	放射性物質濃度 Radioactivity (Bq/m ³) *			空間線量率 Air dose rate (μ Sv/h)	備考 Remarks
			(検出限界値 Minimum Detectable Activity (Bq/m ³))				
			Cs-134	Cs-137	その他の人工核種 Other anthropogenic radionuclides		
65 双葉郡楢葉町大字北田 Futaba county Naraha town oaza Kitada	○	2018/8/14 10:05 ~ 2018/8/16 10:05	ND (0.000030)	ND (0.000030)	ND	0.1	
		2018/7/10 9:59 ~ 2018/7/12 9:59	ND (0.000029)	0.000045 ± 0.0000093	ND	0.1	
		2018/6/12 9:48 ~ 2018/6/14 9:48	ND (0.000027)	0.000053 ± 0.0000087	ND	0.1	
		2018/5/8 10:06 ~ 2018/5/10 10:06	ND (0.000028)	0.000054 ± 0.0000093	ND	0.1	
		2018/4/10 9:56 ~ 2018/4/12 9:56	ND (0.000027)	0.000033 ± 0.000010	ND	0.1	

* 「ND」は、測定値が検出限界値を下回った場合で、検出限界値を()書きにて記載。
* "ND" indicates the measured value was lower than each Minimum Detectable Activity shown in parenthesis.

[Abbreviation]
NRA : Nuclear Regulation Authority



福島第一原子力発電所 20km 圏内の大気浮遊じん試料採取ポイント

Dust sampling points in 20km Zone of Fukushima Dai-ichi NPP.

番号は試料採取ポイントを示す。
The numbers indicate the sampling points.

原子力規制委員会による大気浮遊じん放射性物質濃度測定結果

Readings of dust sampling by NRA

平成30年8月21日 Sep 21, 2018
原子力規制委員会 NRA

採取地点 Sampling Point	更新 Data updated	試料採取期間 Sampling period	放射性物質濃度 Radioactivity (Bq/m ³) *			空間線量率 Air dose rate (μ Sv/h)	備考 Remarks
			(検出限界値 Minimum Detectable Activity (Bq/m ³))				
			Cs-134	Cs-137	その他の人工核種 Other anthropogenic radionuclides		
300 相馬市中村 Soma city Nakamura 43km北北西 43km North/North/West	○	2018/8/21 14:07 ~ 2018/8/23 14:07	ND (0.000027)	0.000038 ± 0.0000087	ND	0.1	
		2018/7/17 13:50 ~ 2018/7/19 13:50	ND (0.000027)	0.000031 ± 0.0000084	ND	0.1	
		2018/6/20 13:38 ~ 2018/6/22 13:38	ND (0.000027)	0.000030 ± 0.0000082	ND	0.1	
		2018/5/15 14:01 ~ 2018/5/17 14:01	ND (0.000028)	0.000080 ± 0.0000095	ND	0.1	
		2018/4/17 13:46 ~ 2018/4/19 13:46	ND (0.000027)	ND (0.000028)	ND	0.1	
301 二本松市針道 Nihonmatsu city Harimichi 44km西北西 44km West/North/West	○	2018/8/21 10:50 ~ 2018/8/23 10:50	ND (0.000030)	0.00013 ± 0.000010	ND	0.2	
		2018/7/17 10:44 ~ 2018/7/19 10:44	ND (0.000027)	ND (0.000028)	ND	0.2	
		2018/6/20 10:43 ~ 2018/6/22 10:43	ND (0.000027)	0.000033 ± 0.0000088	ND	0.2	
		2018/5/15 11:00 ~ 2018/5/17 11:00	ND (0.000028)	ND (0.000024)	ND	0.2	
		2018/4/17 10:42 ~ 2018/4/19 10:42	ND (0.000028)	ND (0.000024)	ND	0.2	
302 双葉郡浪江町下津島 Futaba county Namie town Shimotsushima 29km西北西 29km West/North/West	○	2018/8/27 10:23 ~ 2018/8/29 10:23	ND (0.000027)	0.00012 ± 0.000010	ND	0.9	
		2018/7/24 10:24 ~ 2018/7/26 10:24	ND (0.000028)	0.000095 ± 0.000010	ND	1.0	
		2018/6/19 10:27 ~ 2018/6/21 10:27	ND (0.000026)	0.000093 ± 0.000010	ND	1.0	
		2018/5/22 10:25 ~ 2018/5/24 10:25	ND (0.000026)	0.000085 ± 0.0000099	ND	1.0	
		2018/4/18 10:25 ~ 2018/4/20 10:25	ND (0.000027)	0.000053 ± 0.0000090	ND	1.0	
303 田村市船引町船引 Tamura city Funehiki town Funehiki 41km西 41km West	○	2018/8/27 13:48 ~ 2018/8/29 13:48	ND (0.000027)	ND (0.000027)	ND	0.1	
		2018/7/24 13:33 ~ 2018/7/26 13:33	ND (0.000028)	0.000034 ± 0.0000085	ND	0.1	
		2018/6/19 13:27 ~ 2018/6/21 13:27	ND (0.000029)	ND (0.000027)	ND	0.1	
		2018/5/22 13:45 ~ 2018/5/24 13:45	ND (0.000027)	ND (0.000025)	ND	0.1	
		2018/4/18 13:24 ~ 2018/4/20 13:24	ND (0.000028)	ND (0.000025)	ND	0.1	

* 「ND」は、測定値が検出限界値を下回った場合で、検出限界値を()書きにて記載。
* "ND" indicates the measured value was lower than each Minimum Detectable Activity shown in parenthesis.

[Abbreviation]
NRA : Nuclear Regulation Authority

福島県による大気浮遊じん放射性物質濃度測定結果

Readings of dust sampling by Fukushima Prefecture

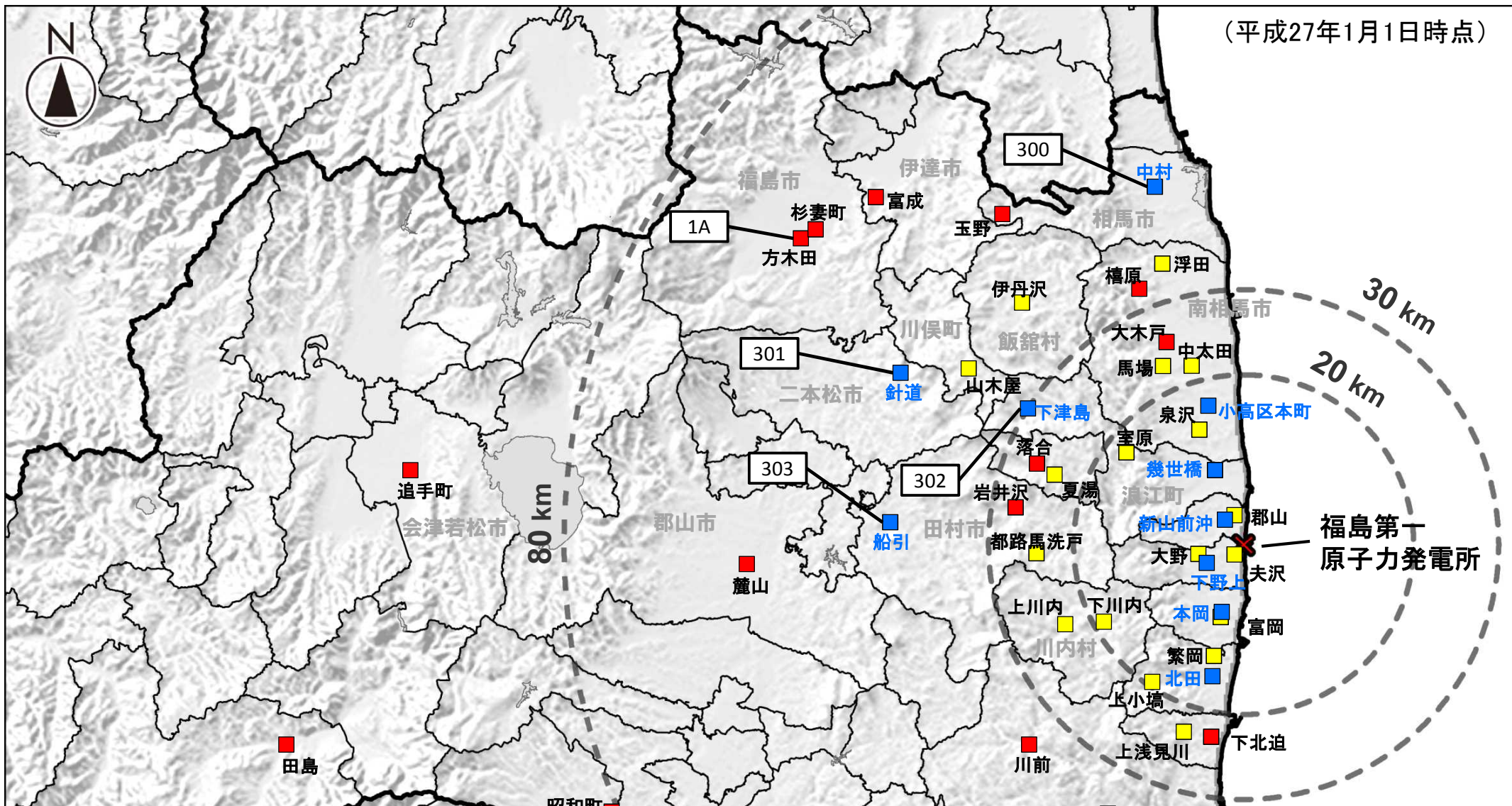
平成30年8月21日 Sep 21, 2018
 原子力規制委員会 NRA

採取地点 Sampling Point	更新 Data updated	試料採取期間 Sampling period	放射性物質濃度 Radioactivity (Bq/m ³) *			空間線量率 Air dose rate (μ Sv/h)	備考 Remarks
			(検出限界値 Minimum Detectable Activity (Bq/m ³))				
			Cs-134	Cs-137	その他の人工核種 Other anthropogenic radionuclides		
1A 福島市方木田 Fukushima city Houkida	○	2018/8/14 11:50 ~ 2018/8/15 11:50	ND (0.000030)	ND (0.000027)	ND	測定せず Not measured	
		2018/7/5 13:07 ~ 2018/7/6 13:07	ND (0.000034)	0.000036 ± 0.000072	ND	測定せず Not measured	
		2018/6/4 13:30 ~ 2018/6/5 13:30	ND (0.000037)	0.000037 ± 0.000078	ND	測定せず Not measured	
		2018/5/15 10:30 ~ 2018/5/16 10:30	ND (0.000034)	ND (0.000025)	ND	測定せず Not measured	
		2018/4/3 13:50 ~ 2018/4/4 13:50	ND (0.000031)	0.000058 ± 0.000078	ND	測定せず Not measured	

* 「ND」は、測定値が検出限界値を下回った場合で、検出限界値を()書きにて記載。
 * "ND" indicates the measured value was lower than each Minimum Detectable Activity shown in parenthesis.

[Abbreviation]
 NRA : Nuclear Regulation Authority

(平成27年1月1日時点)



- 国: 大気浮遊じんの採取点
- 県: 大気浮遊じんの採取点(1日稼働/毎月)
- 県: 大気浮遊じんの採取点(24時間連続稼働)

