

Environmental Monitoring results and analyses

---- The 1st Quarter of FY2019 ---
(From April 1 to June 30, 2019)

July 25, 2019

The Nuclear Regulation Authority, Japan

In accordance with the “Comprehensive Radiation Monitoring Plan”, the relevant organizations released the monitoring data in the period from April 1 to June 30, 2019 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 Fukushima Daiichi accident.

【Fukushima Prefecture】

- Air dose rate: decreasing in general; no significant change observed
- Concentration of radioactive materials in floating dust in the air: decreasing in general; no significant change observed
- Concentration of radioactive materials in monthly fallout : decreasing in general; no significant change observed
- Concentration of radioactive materials in seawater samplings: decreasing in general; no significant change observed
- Concentration of radioactive materials in sediment in the sea: decreasing in general; no significant change observed

【Other areas】

- Air dose rates: fluctuating only a little around the same level before the accident; no significant change observed
- Concentration of radioactive materials in monthly fallout : decreasing in general; no significant change observed
- Concentration of radioactive materials in seawater: decreasing in general; no significant change observed

– Aforementioned “significant change” means a “change different from the trend in the past” .

– Refer to the following URL for detailed information including attached materials:

<http://www.nsr.go.jp/activity/monitoring/monitoring2-2.html>

- Refer to the following URL for monitoring results:
<http://radioactivity.nsr.go.jp/ja/index.html>
- Refer to the Appendix for detailed information and the Attached Material for basic data.

Environmental Monitoring results and analyses (detailed)

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In accordance with the “Comprehensive Radiation Monitoring Plan”, the relevant organizations released the monitoring data in the period from April 1 to June 30, 2019 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 : April 1 - June 30, 2019

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 : February 12 – May 16, 2019

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

Survey results : Concentration range of Cs-134 was from “ND”
(not detectable) to 0.0002 Bq/m³; Cs-137 was from ND
to 0.0025 Bq/m³.

(Refer to Attached Document pages 1–5)

(ii) Survey organizations : NRA

Sampling period : February 4 – May 30, 2019

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

Survey results : Concentration values of Cs-134 were all ND;
Concentration range of Cs-137 was from ND
to 0.000069 Bq/m³.

(Refer to Attached Document pages 6–11)

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: March – May 2019

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 0.86 to 1.3 MBq/km²/month
- Futaba-gun: 25 MBq/km²/month (March 2019)

Concentration range of Cs-137

- Fukushima City (Houkida) : from 12 to 17 MBq/km²/month
- Futaba-gun : 310 MBq/km²/month (March 2019)

(See Attached Document pages 12–14)

The concentration ranges are shown in the charts.

(See Attached Document page 15)

※Unifying two sampling points for readings of environmental radioactivity levels by prefecture (Fallout), the survey has been conducted in Fukushima City (Houkida) since April 2019.

[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 were below the concentration limit (Note 1) specified by the law.)

(i) Survey organization: TEPCO

Sampling period: February 25 - May 20, 2019

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

Measurement time: 5,000 seconds

Survey result: Concentration range of Cs-134 was from 0.0016 to 0.017 Bq/L ; Cs-137 was from 0.025 to 0.21 Bq/L.

(See Attached Document page 16)

The concentration ranges are shown in the charts.

(See Attached Document page 17)

(ii) Survey organization: NRA

Sampling period: February 14-15, 2019

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

Measurement time: 25,000 seconds

Survey results: Concentration range of Cs-134 was from 0.00056 to 0.0015 Bq/L ; Cs-137 was from 0.0070 to 0.020 Bq/L

(See Attached Document page 18)

The concentration ranges are shown in the charts.

(See Attached Document page 19)

(iii) Survey organization: Fukushima Prefecture

Sampling period: January 17 - March 18, 2019

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

Measurement time: 80,000 seconds

Survey results: Concentration range of Cs-134 was from ND to 0.002 Bq/L ; Cs-137 was from 0.004 to 0.031 Bq/L.

(See Attached Document page 20)

The concentration ranges are shown in the charts.

(See Attached Document page 22)

· H-3 analysis

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

(i) Survey organization: NRA

Sampling period: February 14-15, 2019

Analytical method: Electrolytic enrichment technique

Sampling amount: 10 mL

Measurement time: 60,000 seconds

Survey result: Concentration range of H-3 was from ND to 0.66 Bq/L

(See Attached Document page 20)

(ii) Survey organization: Fukushima prefectural government

Sampling period: January 17 - March 18, 2019

Analytical method: Reduced-pressure distillation

Sampling amount: 50 mL

Measurement time: 30,000 seconds

Survey result: Concentration range of H-3 was from ND to 0.43 Bq/L.

(See Attached Document page 20)

· Sr-90 analysis

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

(i) Survey organization: TEPCO

Sampling period: March 4 - May 6, 2019

Analytical method: Y-90 milking method

Sampling amount: 40 L

Measurement time: 6,000 seconds

Survey result: Concentration range of Sr-90 was from 0.0011 to 0.0053 Bq/L.

(See Attached Document page 16)

The concentration ranges are shown in the charts.

(See Attached Document page 17)

(ii) Survey organization: Fukushima Prefecture

Sampling period: January 17 - March 18, 2019

Analytical method: Y-90 milking method

Sampling amount: 40 L

Measurement time: 6,000 seconds

Survey result: Concentration range of Sr-90 was from 0.0006 to 0.0014 Bq/L.

(See Attached Document page 20)

The concentration ranges are shown in the charts.

(See Attached Document page 22)

② Radioactivity concentration in seawater around Fukushima Daiichi NPS

• Cs-134 and Cs-137 Analysis

(i) Survey organization: TEPCO

Sampling period: February 26 - May 24, 2019

Analysis method: Coprecipitation using ammonium phosphomolybdic acid

Sample amount: 20, 30 L

Measuring time: 5,000 - 80,000 seconds

Survey results: Concentration range of Cs-134 was from ND to 0.0036 Bq/L ; Cs-137 was from 0.0014 to 0.043 Bq/L.

(See Attached Document pages 25-28)

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

(See Attached Document page 29)

(ii) Survey organization: Fukushima prefectural government

Sampling period: January 17 - March 18, 2019

Analysis method: Coprecipitation using ammonium phosphomolybdic acid

Sample amount: 30 L

Measuring time: 80,000 seconds

Survey results: Concentration values of Cs-134 were all ND ;
Concentration range of Cs-137 was from 0.004 to 0.012 Bq/L.

(See Attached Document page 21)

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

(See Attached Document page 23)

• H-3 Analysis

(i) Survey organization: TEPCO

Sampling period: February 18 - May 8, 2019

Analysis method: Atmospheric distillation

Sample amount: 50 mL

Measuring time: 42,000 seconds

Survey result: Concentration range of H-3 was from ND to 0.51 Bq/L.

(See Attached Document pages 25-28)

(ii) Survey organization: Fukushima prefectural government

Sampling period: January 17 - March 18, 2019

Analysis method: Reduced-pressure distillation

Sample amount: 50 mL

Measuring time: 30,000 seconds

Survey result: Concentration values of H-3 were all ND.

(See Attached Document page 21)

• Sr-90 Analysis

(i) Survey organization: TEPCO

Sampling period: March 3 - May 8, 2019
Analysis method: Y-90 milking method
Sample amount: 40 L
Measuring time: 6,000 seconds
Survey result: Concentration range of Sr-90 was from 0.00086 to
0.0016 Bq/L. (See Attached Document pages 26-27)

- (ii) Survey organization: Fukushima prefectural government
Sampling period: January 17 - March 18, 2019
Analysis method: Y-90 milking method
Sample amount: 40 L
Measuring time: 3,600 seconds
Survey result: Concentration range of Sr-90 was from 0.0008 to
0.0010 Bq/L. (See Attached Document page 21)

The concentration ranges are shown in the charts.
(See Attached Document page 23)

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: March 4 - May 6, 2019
Survey result: Concentration range of Cs-134 was from 13 to 24 Bq/kg ;
Cs-137 was from 130 to 310 Bq/kg.
(See Attached Document page 31)

The concentration ranges are shown in the charts.
(See Attached Document page 33)

- (ii) Survey organization: Fukushima Prefecture
Sampling date: February 13, 2019
Survey results: Concentration range of Cs-134 was from 2.6 to 24 Bq/kg ;
Cs-137 was from 32 to 300 Bq/kg.
Concentration range of Sr-90 was from ND to 0.2 Bq/kg.
(See Attached Document page 36)

The concentration ranges are shown in the charts.
(See Attached Document page 38)

② Sea-sediment around the Fukushima Daiichi NPS

- Cs-134 and Cs-137 analyses

(i) Survey organization: TEPCO

Sampling period: March 5 – May 29, 2019

Survey result: Concentration range of Cs-134 was from ND to 18 Bq/kg ;
Cs-137 was from ND to 250 Bq/kg.

(See Attached Document pages 31–32)

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

(See Attached Document page 34)

(ii) Survey organization: Fukushima Prefecture

Sampling date: February 13, 2019

Survey results: Concentration range of Cs-134 was from 2.0 to 7.4 Bq/kg ;
Cs-137 was from 24 to 99 Bq/kg.

Concentration values of Sr-90 were all ND.

(See Attached Document page 37)

The concentration ranges are shown in the charts.

(See Attached Document page 38)

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: March - May, 2019

Analytical method: Measurement after concentrating all collected samples

Survey Results: Concentration range of Cs-134 was from ND to

0.26 MBq/km²/month; Cs-137 was from ND to

3.2 MBq/km²/month. (See Attached Document pages 12-14)

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の大気浮遊じんの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31年4月23日 Apr 23, 2019
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	○	2019/3/12 11:50 ~ 2019/3/14 11:50	ND (0.000038)	0.00011 ± 0.000012	ND	0.1	
		2019/2/12 11:56 ~ 2019/2/14 11:56	ND (0.000027)	0.000031 ± 0.0000088	ND	0.1	
		2019/1/8 11:53 ~ 2019/1/10 11:53	ND (0.000028)	0.000041 ± 0.000011	ND	0.1	
		2018/12/11 11:40 ~ 2018/12/13 11:40	ND (0.000027)	ND (0.000027)	ND	0.1	
		2018/11/13 11:59 ~ 2018/11/15 11:59	ND (0.000026)	0.000039 ± 0.0000089	ND	0.1	
		2018/10/9 11:56 ~ 2018/10/11 11:56	ND (0.000025)	0.000030 ± 0.0000097	ND	0.1	
		2018/9/11 11:45 ~ 2018/9/13 11:45	ND (0.000028)	0.000068 ± 0.0000097	ND	0.1	
		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	○	2019/3/12 11:27 ~ 2019/3/14 11:27	ND (0.000024)	0.00018 ± 0.000012	ND	0.1	
		2019/2/12 11:34 ~ 2019/2/14 11:34	ND (0.000027)	0.000069 ± 0.000010	ND	0.1	
		2019/1/8 11:32 ~ 2019/1/10 11:32	ND (0.000028)	0.000079 ± 0.000011	ND	0.1	
		2018/12/11 11:17 ~ 2018/12/13 11:17	ND (0.000028)	0.00010 ± 0.000011	ND	0.1	
		2018/11/13 11:34 ~ 2018/11/15 11:34	ND (0.000028)	0.00010 ± 0.000010	ND	0.1	
		2018/10/9 11:33 ~ 2018/10/11 11:33	ND (0.000025)	0.00016 ± 0.000012	ND	0.1	
		2018/9/11 11:21 ~ 2018/9/13 11:21	0.000047 ± 0.0000095	0.00039 ± 0.000014	ND	0.1	
		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	

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		
62 双葉郡双葉町新山前沖 Futaba county Futaba town Shinzanmaeoki	○	2019/3/12 9:11 ~ 2019/3/12 15:11	ND (0.00022)	ND (0.00024)	ND	0.4	
		2019/2/12 9:12 ~ 2019/2/12 15:12	ND (0.00021)	0.00063 ± 0.000077	ND	0.3	
		2019/1/8 9:10 ~ 2019/1/8 15:10	ND (0.00023)	0.00047 ± 0.000093	ND	0.3	
		2018/12/11 9:15 ~ 2018/12/11 15:15	ND (0.00022)	0.00047 ± 0.000075	ND	0.4	
		2018/11/13 9:15 ~ 2018/11/13 15:15	ND (0.00021)	0.00087 ± 0.000083	ND	0.3	
		2018/10/9 9:12 ~ 2018/10/9 15:12	ND (0.00022)	0.0010 ± 0.000095	ND	0.4	
		2018/9/11 9:08 ~ 2018/9/11 15:08	ND (0.00022)	ND (0.00021)	ND	0.4	
		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	○	2019/3/12 10:48 ~ 2019/3/14 10:48	0.000031 ± 0.0000098	0.00045 ± 0.000015	ND	0.5	
		2019/2/12 10:57 ~ 2019/2/14 10:57	0.000043 ± 0.0000096	0.00049 ± 0.000016	ND	0.5	
		2019/1/8 10:49 ~ 2019/1/10 10:49	0.000059 ± 0.000010	0.00086 ± 0.000020	ND	0.5	
		2018/12/11 10:44 ~ 2018/12/13 10:44	ND (0.000028)	0.00015 ± 0.000011	ND	0.5	
		2018/11/13 10:55 ~ 2018/11/15 10:55	ND (0.000031)	0.00067 ± 0.000099	ND	0.5	
		2018/10/9 10:54 ~ 2018/10/11 10:54	ND (0.000030)	0.00021 ± 0.000012	ND	0.5	
		2018/9/11 10:45 ~ 2018/9/13 10:45	ND (0.000028)	0.00017 ± 0.000012	ND	0.5	
		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	

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		
64 双葉郡富岡町大字本岡 Futaba county Tomioka town oaza Motooka 南南西約9km 9km South/South/West	○	2019/3/12 10:15 ~ 2019/3/14 10:15	ND (0.000027)	0.00014 ± 0.000011	ND	0.3	
		2019/2/12 10:16 ~ 2019/2/14 10:16	ND (0.000028)	0.00025 ± 0.000013	ND		
		2019/1/8 10:18 ~ 2019/1/10 10:18	ND (0.000031)	0.00049 ± 0.000017	ND		
		2018/12/11 10:20 ~ 2018/12/13 10:20	ND (0.000029)	0.00011 ± 0.000010	ND		
		2018/11/13 10:27 ~ 2018/11/15 10:27	ND (0.000030)	0.00014 ± 0.000011	ND		
		2018/10/9 10:22 ~ 2018/10/11 10:22	ND (0.000027)	0.00012 ± 0.000010	ND		
		2018/9/11 10:13 ~ 2018/9/13 10:13	ND (0.000028)	0.00011 ± 0.000010	ND		
		2018/8/14 10:31 ~ 2018/8/16 10:31	ND (0.000029)	0.00014 ± 0.000012	ND		
		2018/7/10 10:25 ~ 2018/7/12 10:25	ND (0.000043)	0.00016 ± 0.000011	ND		
		2018/6/12 10:11 ~ 2018/6/14 10:11	ND (0.000027)	0.000097 ± 0.000010	ND		
		2018/5/8 10:27 ~ 2018/5/10 10:27	ND (0.000028)	0.000060 ± 0.0000097	ND		
		2018/4/10 10:17 ~ 2018/4/12 10:17	ND (0.000027)	0.00015 ± 0.000011	ND		
		65 双葉郡榎葉町大字北田 Futaba county Naraha town oaza Kitada 南南西約16km 16km South/South/West	○	2019/3/12 9:52 ~ 2019/3/14 9:52	ND (0.000027)		
2019/2/12 9:52 ~ 2019/2/14 9:52	ND (0.000028)			0.000044 ± 0.0000093	ND		
2019/1/8 9:53 ~ 2019/1/10 9:53	ND (0.000028)			ND (0.000032)	ND		
2018/12/11 9:54 ~ 2018/12/13 9:54	ND (0.000028)			0.000039 ± 0.0000096	ND		
2018/11/13 10:02 ~ 2018/11/15 10:02	ND (0.000029)			0.000044 ± 0.0000095	ND		
2018/10/9 9:56 ~ 2018/10/11 9:56	ND (0.000026)			ND (0.000027)	ND		
2018/9/11 9:48 ~ 2018/9/13 9:48	ND (0.000028)			0.000059 ± 0.0000093	ND		
2018/8/14 10:05 ~ 2018/8/16 10:05	ND (0.000030)			ND (0.000030)	ND		
2018/7/10 9:59 ~ 2018/7/12 9:59	ND (0.000029)			0.000045 ± 0.0000093	ND		
2018/6/12 9:48 ~ 2018/6/14 9:48	ND (0.000027)			0.000053 ± 0.0000087	ND		
2018/5/8 10:06 ~ 2018/5/10 10:06	ND (0.000028)			0.000054 ± 0.0000093	ND		
2018/4/10 9:56 ~ 2018/4/12 9:56	ND (0.000027)			0.000033 ± 0.000010	ND		

* 「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放射性物質濃度測定結果

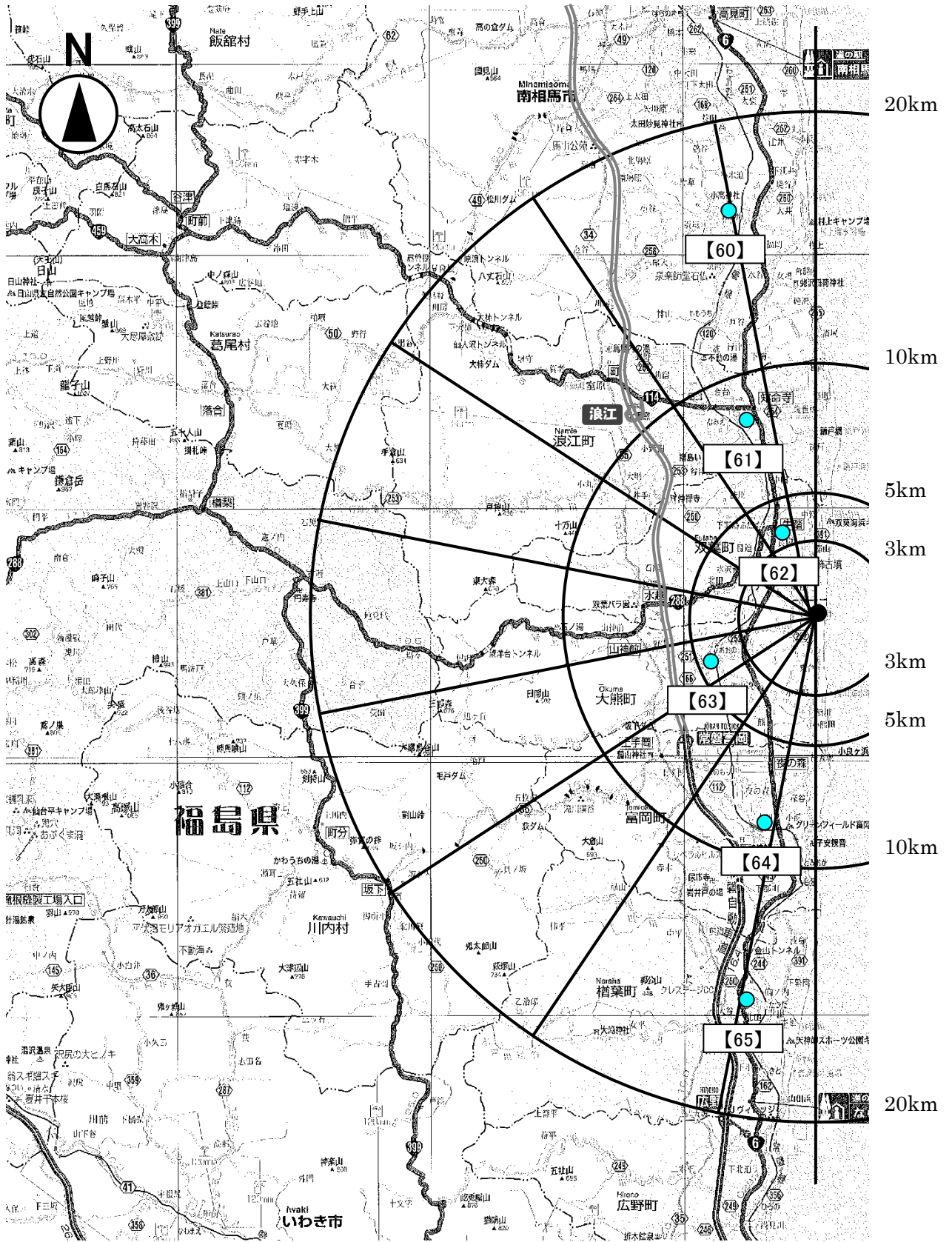
Readings of dust samplings in 20km Zone of Fukushima Dai-ichi NPP

令和元年6月21日 Jun 21, 2019
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	○	2019/5/14 11:56 ~ 2019/5/16 11:56	ND (0.000026)	0.00016 ± 0.000011	ND	0.10	
		2019/4/9 11:41 ~ 2019/4/11 11:41	ND (0.000026)	ND (0.000029)	ND	0.09	
61 双葉郡浪江町大字幾世橋 Futaba county Namie town oaza Kiyohashi	○	2019/5/14 11:35 ~ 2019/5/16 11:35	0.000048 ± 0.0000096	0.00037 ± 0.000014	ND	0.09	
		2019/4/9 11:18 ~ 2019/4/11 11:18	ND (0.000026)	0.000048 ± 0.000010	ND	0.09	
62 双葉郡双葉町新山前沖 Futaba county Futaba town Shinzanmaeeki	○	2019/5/14 11:12 ~ 2019/5/16 11:12	0.000061 ± 0.0000098	0.00070 ± 0.000018	ND	0.36	
		2019/4/9 10:52 ~ 2019/4/11 10:52	ND (0.000027)	0.00024 ± 0.000013	ND	0.35	
63 双葉郡大熊町大字下野上 Futaba county Okuma town oaza Shimonozami	○	2019/5/14 10:51 ~ 2019/5/16 10:51	ND (0.000031)	0.00024 ± 0.000013	ND	0.53	
		2019/4/9 10:29 ~ 2019/4/11 10:29	0.00020 ± 0.000012	0.0025 ± 0.000031	ND	0.52	
64 双葉郡富岡町大字本岡 Futaba county Tomioka town oaza Motooka	○	2019/5/14 10:28 ~ 2019/5/16 10:28	ND (0.000029)	0.000097 ± 0.000011	ND	0.25	
		2019/4/9 10:03 ~ 2019/4/11 10:03	ND (0.000030)	0.00028 ± 0.000013	ND	0.26	
65 双葉郡榑葉町大字北田 Futaba county Naraha town oaza Kitada	○	2019/5/14 10:03 ~ 2019/5/16 10:03	ND (0.000029)	0.000063 ± 0.0000097	ND	0.11	
		2019/4/9 9:39 ~ 2019/4/11 9:39	ND (0.000029)	ND (0.000026)	ND	0.10	

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* "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31年4月23日 Apr 23, 2019
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	○	2019/3/11 14:17 ~ 2019/3/13 14:17	ND (0.000028)	ND (0.000029)	ND	0.1	
		2019/2/13 13:46 ~ 2019/2/15 13:46	ND (0.000027)	ND (0.000031)	ND	0.1	
		2019/1/16 14:10 ~ 2019/1/18 14:10	ND (0.000027)	ND (0.000026)	ND	0.1	
		2018/12/17 14:03 ~ 2018/12/19 14:03	ND (0.000026)	ND (0.000033)	ND	0.1	
		2018/11/13 13:48 ~ 2018/11/15 13:48	ND (0.000026)	ND (0.000028)	ND	0.1	
		2018/10/15 13:59 ~ 2018/10/17 13:59	ND (0.000027)	ND (0.000025)	ND	0.1	
		2018/9/18 13:48 ~ 2018/9/20 13:48	ND (0.000026)	ND (0.000031)	ND	0.1	
		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	○	2019/3/11 10:57 ~ 2019/3/13 10:57	ND (0.000026)	ND (0.000029)	ND
2019/2/13 10:50 ~ 2019/2/15 10:50	ND (0.000028)			ND (0.000030)	ND	0.2	
2019/1/16 10:53 ~ 2019/1/18 10:53	ND (0.000027)			ND (0.000028)	ND	0.2	
2018/12/17 11:00 ~ 2018/12/19 11:00	ND (0.000026)			ND (0.000031)	ND	0.2	
2018/11/13 10:53 ~ 2018/11/15 10:53	ND (0.000027)			ND (0.000028)	ND	0.2	
2018/10/15 10:51 ~ 2018/10/17 10:51	ND (0.000027)			ND (0.000028)	ND	0.2	
2018/9/18 10:54 ~ 2018/9/20 10:54	ND (0.000027)			ND (0.000030)	ND	0.2	
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	

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
			Cs-134	Cs-137	その他の人工核種 Other anthropogenic radionuclides		
302 双葉郡浪江町下津島 Futaba county Namie town Shimotsushima	○	2019/3/12 10:32 ~ 2019/3/14 10:32	ND (0.000028)	0.000069 ± 0.000011	ND	0.9	
		2019/2/19 10:36 ~ 2019/2/21 10:36	ND (0.000028)	ND (0.000029)	ND	0.9	
		2019/1/22 10:22 ~ 2019/1/24 10:22	ND (0.000027)	0.000040 ± 0.0000090	ND	0.9	
		2018/12/18 10:36 ~ 2018/12/20 10:36	ND (0.000026)	0.000041 ± 0.000010	ND	0.9	
		2018/11/20 10:33 ~ 2018/11/22 10:33	ND (0.000026)	0.00012 ± 0.000011	ND	0.9	
		2018/10/23 10:31 ~ 2018/10/25 10:31	ND (0.000027)	0.000051 ± 0.0000094	ND	0.9	
		2018/9/19 10:26 ~ 2018/9/21 10:26	ND (0.000030)	0.00023 ± 0.000013	ND	0.9	
		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	○	2019/3/12 13:46 ~ 2019/3/14 13:46	ND (0.000025)	ND (0.000030)	ND
2019/2/19 13:45 ~ 2019/2/21 13:45	ND (0.000027)			ND (0.000029)	ND	0.1	
2019/1/22 13:30 ~ 2019/1/24 13:30	ND (0.000027)			ND (0.000023)	ND	0.1	
2018/12/18 13:48 ~ 2018/12/20 13:48	ND (0.000028)			ND (0.000030)	ND	0.1	
2018/11/20 13:34 ~ 2018/11/22 13:34	ND (0.000027)			ND (0.000028)	ND	0.1	
2018/10/23 13:43 ~ 2018/10/25 13:43	ND (0.000026)			0.000033 ± 0.0000080	ND	0.1	
2018/9/19 13:34 ~ 2018/9/21 13:34	ND (0.000025)			ND (0.000031)	ND	0.1	
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	

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* "ND" indicates the measured value was lower than each Minimum Detectable Activity shown in parenthesis.

[Abbreviation]

NRA : Nuclear Regulation Authority

原子力規制委員会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 NRA

令和元年6月21日 Jun 21, 2019
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 (μSv/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	○	2019/5/21 13:58 ~ 2019/5/23 13:58	ND (0.000025)	ND (0.000025)	ND	0.07	
		2019/4/15 13:55 ~ 2019/4/17 13:55	ND (0.000027)	0.000031 ± 0.0000079	ND	0.07	
301 二本松市針道 Nihonmatsu city Harimichi 44km西北西 44km West/North/West	○	2019/5/21 10:48 ~ 2019/5/23 10:48	ND (0.000027)	ND (0.000025)	ND	0.16	
		2019/4/15 10:56 ~ 2019/4/17 10:56	ND (0.000027)	ND (0.000028)	ND	0.16	
302 双葉郡浪江町下津島 Futaba county Namie town Shimotsushima 29km西北西 29km West/North/West	○	2019/5/28 10:27 ~ 2019/5/30 10:27	ND (0.000026)	0.000052 ± 0.0000092	ND	0.88	
		2019/4/16 10:28 ~ 2019/4/18 10:28	ND (0.000028)	0.000057 ± 0.0000091	ND	0.90	
303 田村市船引町船引 Tamura city Funehiki town Funehiki 41km西 41km West	○	2019/5/28 13:42 ~ 2019/5/30 13:42	ND (0.000026)	ND (0.000026)	ND	0.09	
		2019/4/16 13:48 ~ 2019/4/18 13:48	ND (0.000027)	ND (0.000025)	ND	0.09	

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* "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31年4月23日 Apr. 23, 2019
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) * (検出限界値 Minimum Detectable Activity (Bq/m ³))			空間線量率 Air dose rate (μ Sv/h)	備考 Remarks
			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	○	2019/3/7 12:06 ~ 2019/3/8 12:06	ND (0.000037)	ND (0.000029)	ND	測定せず Not measured	
		2019/2/4 12:16 ~ 2019/2/5 12:16	ND (0.000038)	0.000046 ± 0.0000089	ND	測定せず Not measured	
		2019/1/7 13:07 ~ 2019/1/8 13:07	ND (0.000038)	ND (0.000032)	ND	測定せず Not measured	
		2018/12/6 16:25 ~ 2018/12/7 16:25	ND (0.000038)	0.000042 ± 0.0000077	ND	測定せず Not measured	
		2018/11/5 13:05 ~ 2018/11/6 13:05	ND (0.000032)	0.000032 ± 0.0000065	ND	測定せず Not measured	
		2018/10/4 13:05 ~ 2018/10/5 13:05	ND (0.000035)	0.000029 ± 0.0000088	ND	測定せず Not measured	
		2018/9/6 14:25 ~ 2018/9/7 14:25	ND (0.000035)	ND (0.000028)	ND	測定せず Not measured	
		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 ± 0.0000072	ND	測定せず Not measured	
		2018/6/4 13:30 ~ 2018/6/5 13:30	ND (0.000037)	0.000037 ± 0.0000078	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)	0.000056 ± 0.0000078	ND	測定せず Not measured	

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* "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

令和元年6月21日 Jun 21, 2019

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	○	2019/5/7 14:38 ~ 2019/5/8 14:38	ND (0.000032)	0.000040 ± 0.0000087	ND	測定せず Not measured	
		2019/4/11 11:40 ~ 2019/4/12 11:40	ND (0.000033)	0.000036 ± 0.0000072	ND	測定せず Not measured	

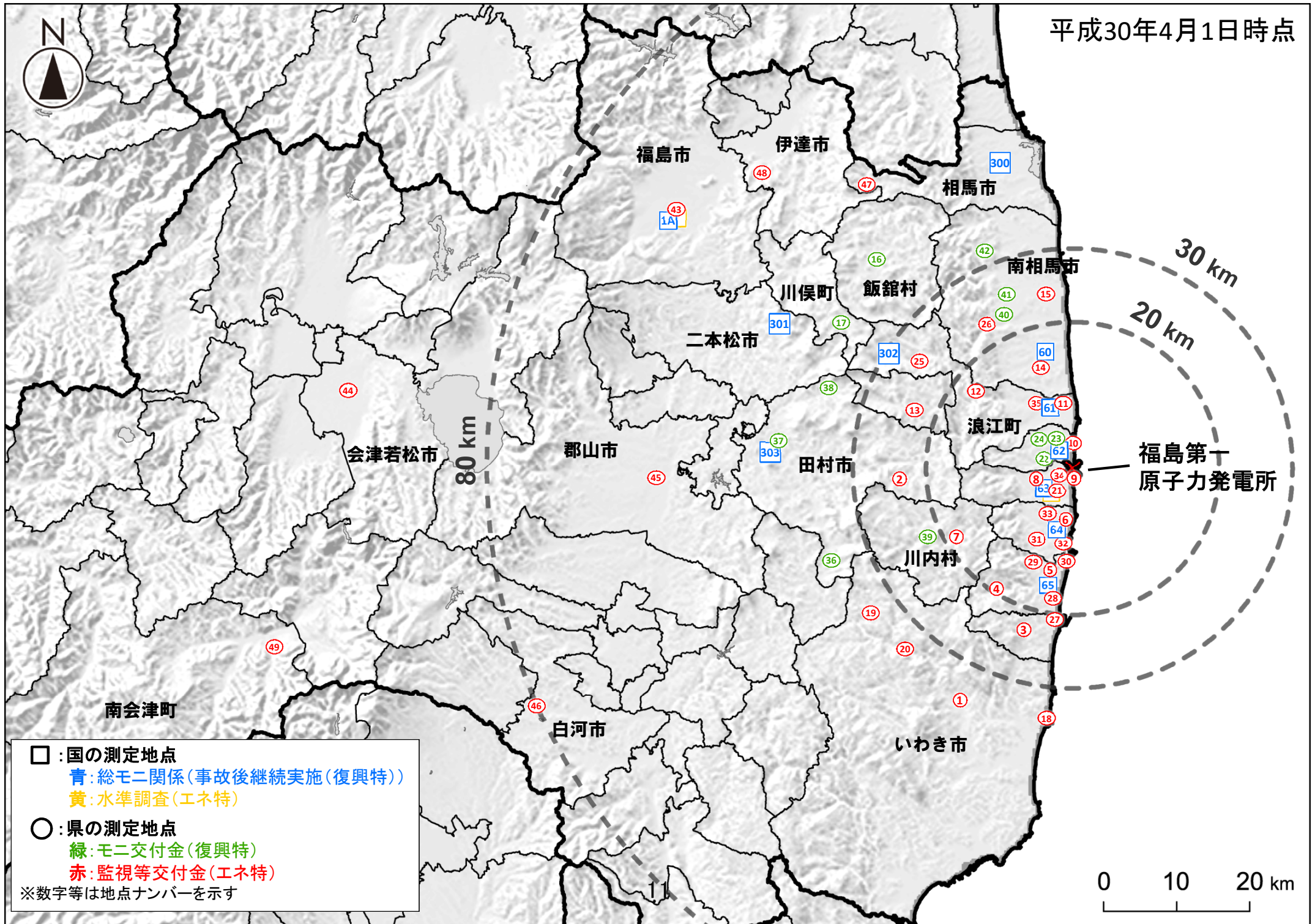
* 「ND」は、測定値が検出限界値を下回った場合で、検出限界値を()書きにて記載。

* "ND" indicates the measured value was lower than each Minimum Detectable Activity shown in parenthesis.

[Abbreviation]

NRA : Nuclear Regulation Authority

平成30年4月1日時点



0 10 20 km

環境放射能水準調査結果(月間降下物)
 [Readings of environmental radioactivity level by prefecture (Fallout)]
 (H31年3月分 [Mar. 2019])

2019.4.26 [Apr 26, 2019], 2019.5.17追加 [Additional date on May 17, 2019]

MBq/km²・月 [MBq/km²・month]

都道府県名 [Prefecture] [City]	月間降下物 [Fallout]				備考 [Remarks]
	放射性ヨウ素131 [I-131]	放射性セシウム134 [Cs-134]	放射性セシウム137 [Cs-137]	その他検出された核種 [Other detected nuclides]	
1 北海道(札幌市) [Hokkaido] [Sapporo]	不検出[< 0.13]	不検出[< 0.064]	不検出[< 0.053]		
2 青森県(青森市) [Aomori] [Aomori]	不検出[< 0.16]	不検出[< 0.055]	不検出[< 0.048]		
3 岩手県(盛岡市) [Iwate] [Morioka]	不検出[< 0.47]	不検出[< 0.069]	0.19		
4 宮城県(仙台市) [Miyagi] [Sendai]	不検出[< 0.17]	0.075	0.90		
5 秋田県(秋田市) [Akita] [Akita]	不検出[< 0.13]	不検出[< 0.059]	不検出[< 0.058]		
6 山形県(山形市) [Yamagata] [Yamagata]	不検出[< 0.15]	不検出[< 0.064]	0.67		
7-1 福島県(福島市) [Fukushima] [Fukushima]	不検出[< 0.20]	1.2	14		
7-2 福島県(双葉郡) [Fukushima] [Futaba]	不検出[< 0.78]	25	310		
8 茨城県(ひたちなか市) [Ibaraki] [Hitachinaka]	不検出[< 0.46]	0.16	1.2		
9 栃木県(宇都宮市) [Tochigi] [Utsunomiya]	不検出[< 0.40]	0.26	3.2		
10 群馬県(前橋市) [Gunma] [Maebashi]	不検出[< 0.17]	0.14	1.9		
11 埼玉県(比企郡) [Saitama] [Hiki]	不検出[< 0.13]	不検出[< 0.083]	0.28		
12 千葉県(市原市) [Chiba] [Ichihara]	不検出[< 0.19]	不検出[< 0.054]	0.35		
13 東京都(新宿区) [Tokyo] [Shinjuku]	不検出[< 0.092]	0.088	1.2		
14 神奈川県(茅ヶ崎市) [Kanagawa] [Chigasaki]	不検出[< 0.12]	不検出[< 0.024]	0.32		
15 新潟県(新潟市) [Niigata] [Niigata]	不検出[< 0.21]	不検出[< 0.045]	0.038		
16 富山県(射水市) [Toyama] [Imizu]	不検出[< 0.12]	不検出[< 0.037]	不検出[< 0.034]		
17 石川県(金沢市) [Ishikawa] [Kanazawa]	不検出[< 0.41]	不検出[< 0.045]	不検出[< 0.035]		
18 福井県(福井市) [Fukui] [Fukui]	不検出[< 0.17]	不検出[< 0.066]	不検出[< 0.051]		
19 山梨県(甲府市) [Yamanashi] [Kofu]	不検出[< 0.37]	不検出[< 0.079]	不検出[< 0.071]		
20 長野県(長野市) [Nagano] [Nagano]	不検出[< 0.063]	不検出[< 0.048]	0.063		
21 岐阜県(各務原市) [Gifu] [Kakamigahara]	不検出[< 0.089]	不検出[< 0.063]	不検出[< 0.052]		
22 静岡県(牧之原市) [Shizuoka] [Makinohara]	不検出[< 0.12]	不検出[< 0.061]	不検出[< 0.046]		
23 愛知県(名古屋市) [Aichi] [Nagoya]	不検出[< 0.19]	不検出[< 0.047]	不検出[< 0.038]		
24 三重県(四日市市) [Mie] [Yokkaichi]	不検出[< 0.18]	不検出[< 0.043]	不検出[< 0.037]		
25 滋賀県(大津市) [Shiga] [Otsu]	不検出[< 0.39]	不検出[< 0.068]	不検出[< 0.058]		
26 京都府(京都市) [Kyoto] [Kyoto]	不検出[< 0.17]	不検出[< 0.040]	不検出[< 0.035]		
27 大阪府(大阪市) [Osaka] [Osaka]	不検出[< 0.062]	不検出[< 0.044]	不検出[< 0.042]		
28 兵庫県(加古川市) [Hyogo] [Kakogawa]	不検出[< 0.073]	不検出[< 0.045]	不検出[< 0.040]		
29 奈良県(桜井市) [Nara] [Sakurai]	不検出[< 0.62]	不検出[< 0.060]	不検出[< 0.056]		
30 和歌山県(和歌山市) [Wakayama] [Wakayama]	不検出[< 0.34]	不検出[< 0.068]	不検出[< 0.063]		
31 鳥取県(東伯郡) [Tottori] [Touhaku]	不検出[< 0.20]	不検出[< 0.059]	不検出[< 0.051]		
32 島根県(松江市) [Shimane] [Matsue]	不検出[< 0.14]	不検出[< 0.040]	不検出[< 0.040]		
33 岡山県(岡山市) [Okayama] [Okayama]	不検出[< 0.071]	不検出[< 0.041]	不検出[< 0.033]		
34 広島県(広島市) [Hiroshima] [Hiroshima]	不検出[< 0.16]	不検出[< 0.059]	不検出[< 0.056]		
35 山口県(山口市) [Yamaguchi] [Yamaguchi]	不検出[< 0.32]	不検出[< 0.075]	不検出[< 0.078]		
36 徳島県(徳島市) [Tokushima] [Tokushima]	不検出[< 0.16]	不検出[< 0.067]	不検出[< 0.057]		
37 香川県(高松市) [Kagawa] [Takamatsu]	不検出[< 0.15]	不検出[< 0.073]	不検出[< 0.063]		
38 愛媛県(松山市) [Ehime] [Matsuyama]	不検出[< 0.10]	不検出[< 0.040]	不検出[< 0.040]		
39 高知県(高知市) [Kochi] [Kochi]	不検出[< 0.19]	不検出[< 0.048]	不検出[< 0.040]		
40 福岡県(太宰府市) [Fukuoka] [Dazaifu]	不検出[< 0.17]	不検出[< 0.054]	不検出[< 0.048]		
41 佐賀県(佐賀市) [Saga] [Saga]	不検出[< 0.11]	不検出[< 0.060]	不検出[< 0.045]		
42 長崎県(大村市) [Nagasaki] [Omura]	不検出[< 0.31]	不検出[< 0.053]	不検出[< 0.043]		
43 熊本県(宇土市) [Kumamoto] [Uto]	不検出[< 0.082]	不検出[< 0.039]	不検出[< 0.033]		
44 大分県(大分市) [Oita] [Oita]	不検出[< 0.37]	不検出[< 0.050]	不検出[< 0.042]		
45 宮崎県(宮崎市) [Miyazaki] [Miyazaki]	不検出[< 0.20]	不検出[< 0.060]	不検出[< 0.040]		測定中であつたが到着 [Measurements arrived though it had delayed.]
46 鹿児島県(鹿児島市) [Kagoshima] [Kagoshima]	不検出[< 0.22]	不検出[< 0.067]	不検出[< 0.060]		
47 沖縄県(うるま市) [Okinawa] [Uruma]	不検出[< 0.14]	不検出[< 0.039]	不検出[< 0.031]		

不検出 : Not detected activity

1. 原子力規制委員会が各都道府県等から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ヶ月間採取し続けた降下物を測定した結果 [2. Measurements of fallout collected during the month]

3. 検出下限値は試料及び測定状況により、都道府県によって異なる [3. The minimum detected activity of ¹³¹I, ¹³⁴Cs and ¹³⁷Cs, contingent on samples or measurement conditions, are different for each prefecture]

環境放射能水準調査結果(月間降下物)
 [Readings of environmental radioactivity level by prefecture (Fallout)]
 (H31年4月分 [Apr. 2019])

2019.5.31 [May 31, 2019] .2019.6.14追加 [Additional date on Jun 14, 2019]

MBq/km²・月 [MBq/km²・month]

	都道府県名 [Prefecture] [City]	月間降下物 [Fallout]				備考 [Remarks]
		放射性ヨウ素131 [I-131]	放射性セシウム134 [Cs-134]	放射性セシウム137 [Cs-137]	その他検出された核種 [Other detected nuclides]	
1	北海道(札幌市) [Hokkaido] [Sapporo]	不検出[< 0.12]	不検出[< 0.054]	0.049		
2	青森県(青森市) [Aomori] [Aomori]	不検出[< 0.13]	不検出[< 0.064]	0.067		
3	岩手県(盛岡市) [Iwate] [Morioka]	不検出[< 0.45]	不検出[< 0.059]	0.28		
4	宮城県(仙台市) [Miyagi] [Sendai]	不検出[< 0.46]	0.078	0.97		
5	秋田県(秋田市) [Akita] [Akita]	不検出[< 0.12]	不検出[< 0.058]	不検出[< 0.054]		
6	山形県(山形市) [Yamagata] [Yamagata]	不検出[< 0.13]	不検出[< 0.093]	0.69		
7	福島県(福島市) [Fukushima] [Fukushima]	不検出[< 0.19]	1.3	17		
8	茨城県(ひたちなか市) [Ibaraki] [Hitachinaka]	不検出[< 0.58]	0.23	3.0		
9	栃木県(宇都宮市) [Tochigi] [Utsunomiya]	不検出[< 0.43]	0.10	1.2		
10	群馬県(前橋市) [Gunma] [Maebashi]	不検出[< 0.25]	不検出[< 0.082]	0.67		
11	埼玉県(比企郡) [Saitama] [Hiki]	不検出[< 0.19]	不検出[< 0.085]	0.29		
12	千葉県(市原市) [Chiba] [Ichihara]	不検出[< 0.23]	不検出[< 0.055]	0.50		
13	東京都(新宿区) [Tokyo] [Shinjuku]	不検出[< 0.095]	0.092	0.80		
14	神奈川県(茅ヶ崎市) [Kanagawa] [Chigasaki]	不検出[< 0.22]	不検出[< 0.042]	0.25		
15	新潟県(新潟市) [Niigata] [Niigata]	不検出[< 0.14]	不検出[< 0.043]	不検出[< 0.040]		
16	富山県(射水市) [Toyama] [Imizu]	不検出[< 0.16]	不検出[< 0.040]	不検出[< 0.035]		
17	石川県(金沢市) [Ishikawa] [Kanazawa]	不検出[< 0.63]	不検出[< 0.043]	不検出[< 0.034]		
18	福井県(福井市) [Fukui] [Fukui]	不検出[< 0.16]	不検出[< 0.065]	不検出[< 0.050]		
19	山梨県(甲府市) [Yamanashi] [Kofu]	不検出[< 0.68]	不検出[< 0.085]	不検出[< 0.076]		
20	長野県(長野市) [Nagano] [Nagano]	不検出[< 0.075]	不検出[< 0.051]	不検出[< 0.042]		
21	岐阜県(各務原市) [Gifu] [Kakamigahara]	不検出[< 0.19]	不検出[< 0.063]	不検出[< 0.079]		
22	静岡県(牧之原市) [Shizuoka] [Makinohara]	不検出[< 0.22]	不検出[< 0.057]	不検出[< 0.048]		
23	愛知県(名古屋市) [Aichi] [Nagoya]	不検出[< 0.13]	不検出[< 0.050]	不検出[< 0.037]		
24	三重県(四日市市) [Mie] [Yokkaichi]	不検出[< 0.24]	不検出[< 0.052]	不検出[< 0.040]		
25	滋賀県(大津市) [Shiga] [Otsu]	不検出[< 0.49]	不検出[< 0.071]	不検出[< 0.062]		
26	京都府(京都市) [Kyoto] [Kyoto]	不検出[< 0.26]	不検出[< 0.042]	不検出[< 0.032]		
27	大阪府(大阪市) [Osaka] [Osaka]	不検出[< 0.12]	不検出[< 0.037]	不検出[< 0.040]		
28	兵庫県(加古川市) [Hyogo] [Kakogawa]	不検出[< 0.095]	不検出[< 0.042]	不検出[< 0.040]		
29	奈良県(桜井市) [Nara] [Sakurai]	不検出[< 0.48]	不検出[< 0.062]	不検出[< 0.059]		
30	和歌山県(和歌山市) [Wakayama] [Wakayama]	不検出[< 0.30]	不検出[< 0.077]	不検出[< 0.071]		
31	鳥取県(東伯郡) [Tottori] [Touhaku]	不検出[< 0.19]	不検出[< 0.073]	不検出[< 0.096]		
32	島根県(松江市) [Shimane] [Matsue]	不検出[< 0.33]	不検出[< 0.040]	不検出[< 0.030]		
33	岡山県(岡山市) [Okayama] [Okayama]	不検出[< 0.11]	不検出[< 0.043]	不検出[< 0.033]		
34	広島県(広島市) [Hiroshima] [Hiroshima]	不検出[< 0.25]	不検出[< 0.064]	不検出[< 0.058]		
35	山口県(山口市) [Yamaguchi] [Yamaguchi]	不検出[< 0.35]	不検出[< 0.076]	不検出[< 0.063]		
36	徳島県(徳島市) [Tokushima] [Tokushima]	不検出[< 0.25]	不検出[< 0.066]	不検出[< 0.052]		
37	香川県(高松市) [Kagawa] [Takamatsu]	不検出[< 0.13]	不検出[< 0.079]	不検出[< 0.067]		
38	愛媛県(松山市) [Ehime] [Matsuyama]	不検出[< 0.20]	不検出[< 0.040]	不検出[< 0.040]		
39	高知県(高知市) [Kochi] [Kochi]	不検出[< 0.27]	不検出[< 0.047]	不検出[< 0.043]		
40	福岡県(太宰府市) [Fukuoka] [Dazaifu]	不検出[< 0.20]	不検出[< 0.055]	不検出[< 0.062]		
41	佐賀県(佐賀市) [Saga] [Saga]	不検出[< 0.092]	不検出[< 0.051]	不検出[< 0.046]		
42	長崎県(大村市) [Nagasaki] [Omura]	不検出[< 0.29]	不検出[< 0.054]	不検出[< 0.050]		
43	熊本県(宇土市) [Kumamoto] [Uto]	不検出[< 0.080]	不検出[< 0.041]	不検出[< 0.035]		
44	大分県(大分市) [Oita] [Oita]	不検出[< 0.33]	不検出[< 0.049]	不検出[< 0.051]		
45	宮崎県(宮崎市) [Miyazaki] [Miyazaki]	不検出[< 0.40]	不検出[< 0.080]	不検出[< 0.040]		測定中であつたが到着 [Measurements arrived though it had delayed.]
46	鹿児島県(鹿児島市) [Kagoshima] [Kagoshima]	不検出[< 0.37]	不検出[< 0.070]	不検出[< 0.059]		
47	沖縄県(うるま市) [Okinawa] [Uruma]	不検出[< 0.099]	不検出[< 0.033]	不検出[< 0.032]		

不検出 : Not detected activity

1. 原子力規制委員会が各都道府県等から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ヶ月間採取し続けた降下物を測定した結果 [2. Measurements of fallout collected during the month]

3. 検出下限値は試料及び測定状況により、都道府県によって異なる [3. The minimum detected activity of I-131, Cs-134 and Cs-137, contingent on samples or measurement conditions, are different for each prefecture]

環境放射能水準調査結果(月間降下物)
 [Readings of environmental radioactivity level by prefecture (Fallout)]
 (R1年5月分 [May, 2019])

2019.6.28 [Jun 28, 2019]

MBq/km²・月 [MBq/km²・month]

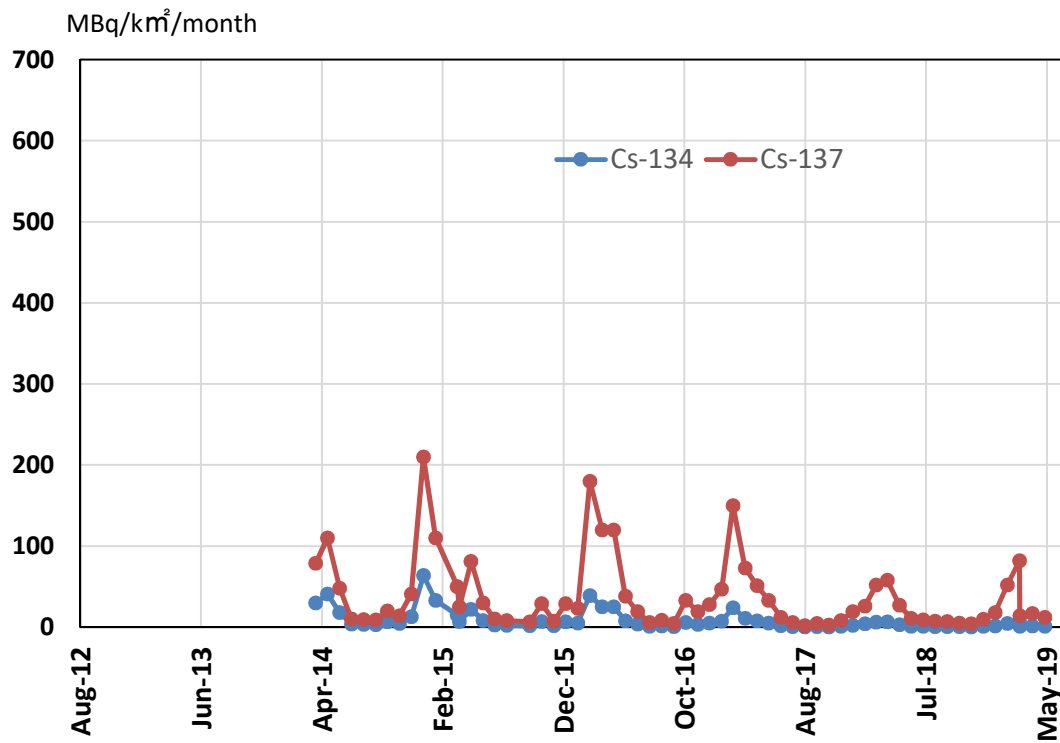
	都道府県名 [Prefecture] [City]	月間降下物 [Fallout]				備考 [Remarks]
		放射性ヨウ素131 [I-131]	放射性セシウム134 [Cs-134]	放射性セシウム137 [Cs-137]	その他検出された核種 [Other detected nuclides]	
1	北海道(札幌市) [Hokkaido] [Sapporo]	不検出[< 0.14]	不検出[< 0.056]	不検出[< 0.044]		
2	青森県(青森市) [Aomori] [Aomori]	不検出[< 0.067]	不検出[< 0.058]	不検出[< 0.052]		
3	岩手県(盛岡市) [Iwate] [Morioka]	不検出[< 0.27]	不検出[< 0.055]	0.15		
4	宮城県(仙台市) [Miyagi] [Sendai]	不検出[< 0.16]	0.13	1.5		
5	秋田県(秋田市) [Akita] [Akita]	不検出[< 0.11]	不検出[< 0.054]	0.075		
6	山形県(山形市) [Yamagata] [Yamagata]	不検出[< 0.085]	0.092	0.81		
7	福島県(福島市) [Fukushima] [Fukushima]	不検出[< 0.13]	0.86	12		
8	茨城県(ひたちなか市) [Ibaraki] [Hitachinaka]	不検出[< 0.40]	不検出[< 0.12]	1.2		
9	栃木県(宇都宮市) [Tochigi] [Utsunomiya]	不検出[< 0.32]	不検出[< 0.068]	0.46		
10	群馬県(前橋市) [Gunma] [Maebashi]	不検出[< 0.14]	不検出[< 0.070]	0.35		
11	埼玉県(比企郡) [Saitama] [Hiki]	不検出[< 0.17]	不検出[< 0.070]	0.11		
12	千葉県(市原市) [Chiba] [Ichihara]	不検出[< 0.16]	0.050	0.38		
13	東京都(新宿区) [Tokyo] [Shinjuku]	不検出[< 0.074]	0.048	0.52		
14	神奈川県(茅ヶ崎市) [Kanagawa] [Chigasaki]	不検出[< 0.18]	不検出[< 0.042]	0.21		
15	新潟県(新潟市) [Niigata] [Niigata]	不検出[< 0.17]	不検出[< 0.047]	不検出[< 0.039]		
16	富山県(射水市) [Toyama] [Imizu]	不検出[< 0.069]	不検出[< 0.035]	不検出[< 0.031]		
17	石川県(金沢市) [Ishikawa] [Kanazawa]	不検出[< 0.39]	不検出[< 0.044]	不検出[< 0.032]		
18	福井県(福井市) [Fukui] [Fukui]	不検出[< 0.19]	不検出[< 0.069]	不検出[< 0.049]		
19	山梨県(甲府市) [Yamanashi] [Kofu]	不検出[< 0.39]	不検出[< 0.076]	不検出[< 0.076]		
20	長野県(長野市) [Nagano] [Nagano]	不検出[< 0.054]	不検出[< 0.051]	0.15		
21	岐阜県(各務原市) [Gifu] [Kakamigahara]	不検出[< 0.12]	不検出[< 0.068]	不検出[< 0.057]		
22	静岡県(牧之原市) [Shizuoka] [Makinohara]	不検出[< 0.16]	不検出[< 0.058]	不検出[< 0.045]		
23	愛知県(名古屋) [Aichi] [Nagoya]	不検出[< 0.10]	不検出[< 0.051]	不検出[< 0.036]		
24	三重県(四日市市) [Mie] [Yokkaichi]	不検出[< 0.13]	不検出[< 0.045]	不検出[< 0.043]		
25	滋賀県(大津市) [Shiga] [Otsu]	不検出[< 0.19]	不検出[< 0.064]	不検出[< 0.063]		
26	京都府(京都市) [Kyoto] [Kyoto]	不検出[< 0.18]	不検出[< 0.047]	不検出[< 0.040]		
27	大阪府(大阪市) [Osaka] [Osaka]	不検出[< 0.074]	不検出[< 0.039]	不検出[< 0.039]		
28	兵庫県(加古川市) [Hyogo] [Kakogawa]	不検出[< 0.070]	不検出[< 0.050]	不検出[< 0.038]		
29	奈良県(桜井市) [Nara] [Sakurai]	不検出[< 0.15]	不検出[< 0.017]	不検出[< 0.017]		
30	和歌山県(和歌山市) [Wakayama] [Wakayama]	不検出[< 0.32]	不検出[< 0.073]	不検出[< 0.063]		
31	鳥取県(東伯郡) [Tottori] [Touhaku]	不検出[< 0.084]	不検出[< 0.072]	不検出[< 0.049]		
32	島根県(松江市) [Shimane] [Matsue]	不検出[< 0.080]	不検出[< 0.040]	不検出[< 0.040]		
33	岡山県(岡山市) [Okayama] [Okayama]	不検出[< 0.051]	不検出[< 0.042]	不検出[< 0.036]		
34	広島県(広島市) [Hiroshima] [Hiroshima]	不検出[< 0.14]	不検出[< 0.059]	不検出[< 0.053]		
35	山口県(山口市) [Yamaguchi] [Yamaguchi]	不検出[< 0.27]	不検出[< 0.074]	不検出[< 0.063]		
36	徳島県(徳島市) [Tokushima] [Tokushima]	不検出[< 0.27]	不検出[< 0.064]	不検出[< 0.055]		
37	香川県(高松市) [Kagawa] [Takamatsu]	不検出[< 0.14]	不検出[< 0.075]	不検出[< 0.060]		
38	愛媛県(松山市) [Ehime] [Matsuyama]	不検出[< 0.10]	不検出[< 0.050]	不検出[< 0.040]		
39	高知県(高知市) [Kochi] [Kochi]	不検出[< 0.15]	不検出[< 0.049]	不検出[< 0.042]		
40	福岡県(太宰府市) [Fukuoka] [Dazaifu]	不検出[< 0.14]	不検出[< 0.056]	不検出[< 0.047]		
41	佐賀県(佐賀市) [Saga] [Saga]	不検出[< 0.10]	不検出[< 0.060]	不検出[< 0.046]		
42	長崎県(大村市) [Nagasaki] [Omura]	不検出[< 0.19]	不検出[< 0.054]	不検出[< 0.047]		
43	熊本県(宇土市) [Kumamoto] [Uto]	不検出[< 0.080]	不検出[< 0.041]	不検出[< 0.035]		
44	大分県(大分市) [Oita] [Oita]	不検出[< 0.27]	不検出[< 0.043]	不検出[< 0.048]		
45	宮崎県(宮崎市) [Miyazaki] [Miyazaki]	不検出[< 0.20]	不検出[< 0.070]	不検出[< 0.050]		
46	鹿児島県(鹿児島市) [Kagoshima] [Kagoshima]	不検出[< 0.12]	不検出[< 0.071]	不検出[< 0.058]		
47	沖縄県(うるま市) [Okinawa] [Uruma]	不検出[< 0.10]	不検出[< 0.035]	不検出[< 0.032]		

不検出: Not detected activity

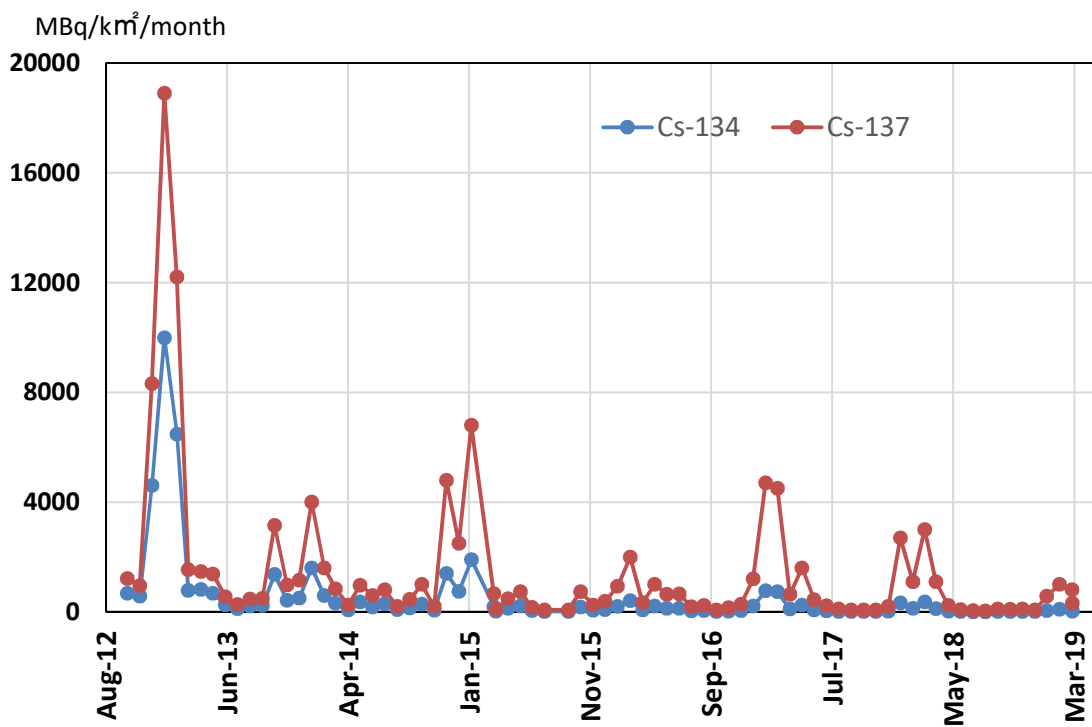
1. 原子力規制委員会が各都道府県等からの報告に基づき作成 [1. The table was made by Nuclear Regulation Authority, based on the reports from prefectures]

2. 1ヶ月間採取し続けた降下物を測定した結果 [2. Measurements of fallout collected during the month]

3. 検出下限値は試料及び測定状況により、都道府県によって異なる [3. The minimum detected activity of I-131, Cs-134 and Cs-137, contingent on samples or measurement conditions, are different for each prefecture]



Concentration ranges of radioactive Cs in monthly fallout, Fukushima City in Fukushima prefecture



Concentration ranges of radioactive Cs in monthly fallout, Futaba-gun in Fukushima prefecture

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㈱の発表をもとに作成^{※1})

試料採取日: 令和元年5月20日

Radioactivity concentration in the seawater near Fukushima Dai-ichi NPP

(Based on the press release of TEPCO^{※1})

Sampling Date: May 20, 2019

令和元年6月25日

Jun 25, 2019

Cs-134	Cs-137	H-3	全α (gross α)	全β (gross β)	Sr-90	Pu-238	Pu-239+240
放射性物質濃度 (検出下限値) (Bq/L) (ND ^{※2} : 不検出)							
Radioactivity concentration (Lower detection limit) (Bq/L) (ND ^{※2} : Not Detectable)							

T-1	2019/2/4 7:55	0.0072	0.085	ND(0.88)	ND(2.0)	12	0.0020			O
	2019/2/11 7:55	0.018	0.20							O
	2019/2/18 7:45	0.030	0.34							O
	2019/2/25 8:05	0.014	0.17							O
	2019/3/4 8:00	0.0093	0.11	ND(0.84)	ND(2.3)	13	0.0037			O
	2019/3/12 8:45	0.0071	0.086							O
	2019/3/18 8:06	0.0089	0.11							O
	2019/3/25 7:40	0.0034	0.044							O
	2019/4/1 8:20	0.0021	0.031	ND(0.86)	ND(2.2)	9.2	0.0014			O
	2019/4/8 8:03	0.0027	0.039							O
	2019/4/15 7:00	0.013	0.18					ND(0.000050)	0.000062	O
	2019/4/22 7:45	0.017	0.21							O
	2019/4/29 7:30	0.0025	0.031							O
	2019/5/6 7:50	0.010	0.12	1.5	ND(2.2)	11	0.0053			O
2019/5/13 7:40	0.0062	0.082							O	
2019/5/20 7:50	0.016	0.20							O	

T-2	2019/2/4 6:55	0.019	0.24	ND(0.88)	ND(2.4)	14	0.0020			O
	2019/2/11 7:00	0.0016	0.021							O
	2019/2/18 7:00	0.0023	0.033							O
	2019/2/25 7:12	0.0016	0.026							O
	2019/3/4 7:00	0.0019	0.025	ND(0.84)	ND(2.2)	14	0.0011			O
	2019/3/12 7:10	0.010	0.13							O
	2019/3/18 6:45	0.0084	0.11							O
	2019/3/25 7:00	0.0026	0.037							O
	2019/4/1 7:25	0.0062	0.071	1.5	ND(2.2)	12	0.0017			O
	2019/4/8 6:50	0.0027	0.030							O
	2019/4/15 8:15	0.0064	0.089					ND(0.000054)	ND(0.000050)	O
	2019/4/22 7:00	0.0025	0.033							O
	2019/4/29 6:50	0.0029	0.038							O
	2019/5/6 7:00	0.0019	0.025	ND(0.92)	ND(2.3)	11	0.0014			O
2019/5/13 6:55	0.0025	0.034							O	
2019/5/20 6:55	0.0021	0.029							O	

O: 上層(表層~2m) Outer Layer

* 太字下線データが今回追加分。

* Boldface and underlined readings are new.

※1 東京電力ホールディングス㈱の発表(<http://www.tepco.co.jp/decommission/planaction/monitoring/index-j.html>)

※1 Press release of TEPCO (<http://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/index-e.html>)

※2 NDの記載は、海水の放射性物質濃度の検出値が検出下限値を下回る場合。

※2 ND indicates the case that the detected radioactivity concentration in seawater was lower than the detection limits.

参考

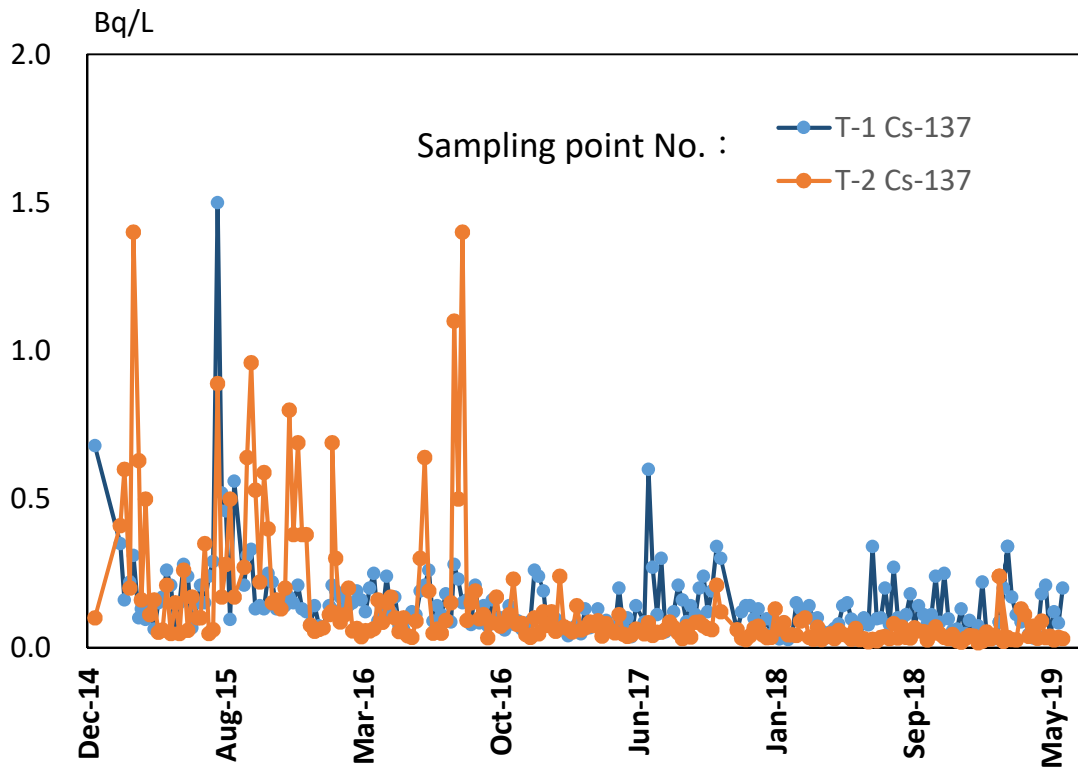
reference

福島第一原発事故以前の海水のモニタリング結果:

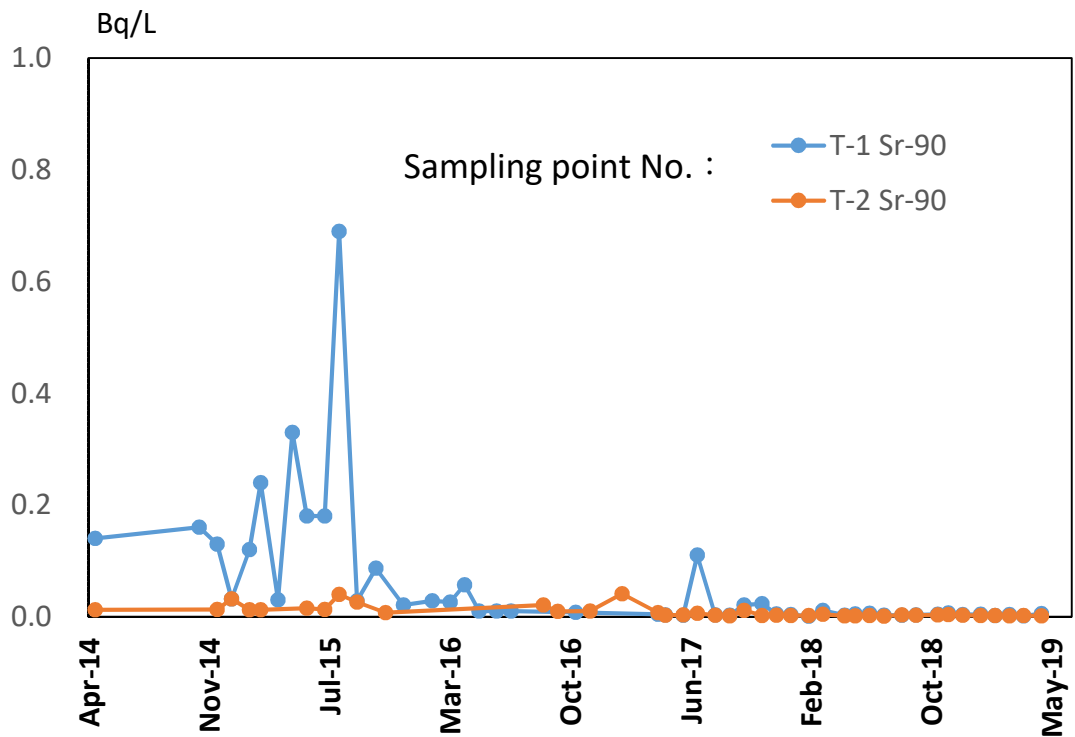
(<https://radioactivity.nsr.go.jp/ja/contents/9000/8483/24/Beforedisaster.pdf>)

Results of radiation monitoring before the accident at TEPCO's Fukushima Daiichi 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の海域の海水のモニタリング結果
Readings of Sea Area Monitoring near Fukushima Dai-ichi NPP

試料採取日:平成31年2月14日、15日
(Sampling Date: Feb 14, 15, 2019)

令和元年6月7日
Jun 7, 2019

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

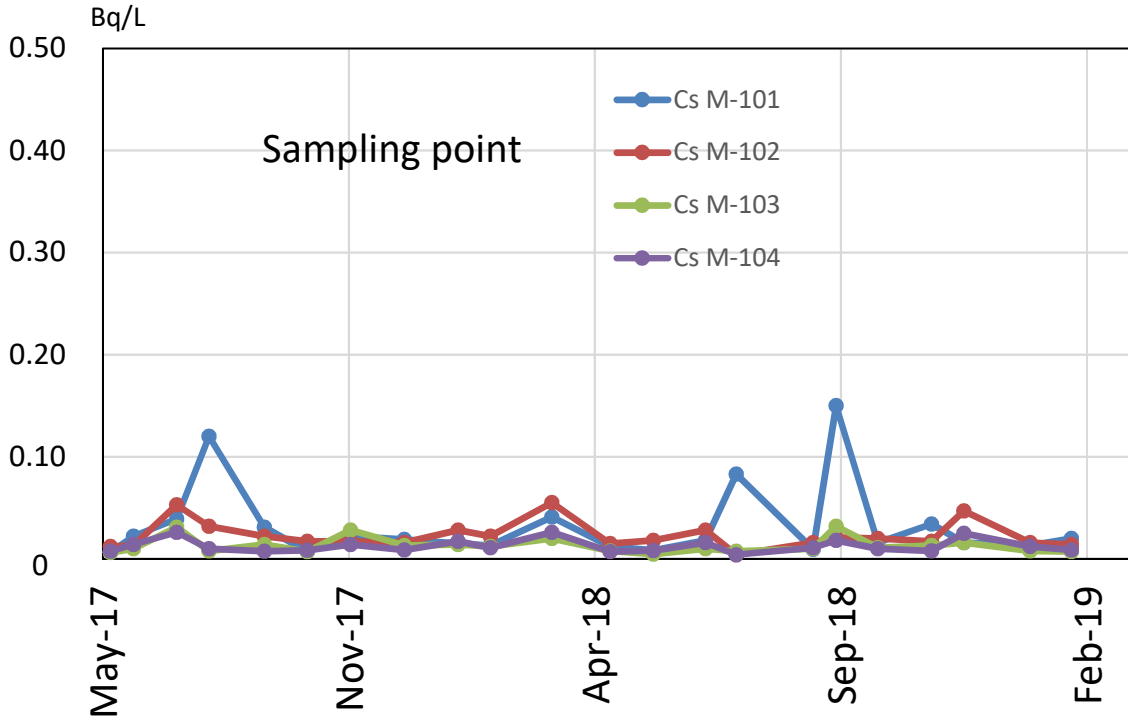
採取日 Sampling Date	採取深度 Sampling Depth (m)	Cs-134	Cs-137	Sr-90	H-3	
		放射性物質濃度 (検出下限値) (Bq/L) Radioactivity concentration (Lower detection limit) (Bq/L)				
M-101	2018/3/13	0.5	0.0044	0.041	0.0075	0.14
	2018/4/20	0.5	0.0014	0.012	0.0011	0.13
	2018/5/18	0.5	0.00086	0.0085	0.00099	0.080
	2018/6/21	0.5	0.0018	0.018	0.0016	0.097
	2018/7/11	0.5	0.0087	0.083	0.0054	0.36
	2018/8/30	0.5	0.00083	0.0093	0.0011	0.099
	2018/9/14	0.5	0.015	0.15	0.011	0.36
	2018/10/11	0.5	0.0014	0.016	0.00084	0.10
	2018/11/15	0.5	0.0033	0.034	0.0016	0.12
	2018/12/6	0.5	0.0013	0.016	0.00097	0.13
2019/1/18	0.5	0.0012	0.013	0.0014	0.053	
2019/2/14	0.5	<u>0.0015</u>	<u>0.020</u>		<u>0.14</u>	
M-102	2018/3/12	0.5	0.0060	0.055	0.015	0.14
	2018/4/19	0.5	0.0013	0.015	0.0013	0.099
	2018/5/17	0.5	0.0019	0.018	0.0024	0.13
	2018/6/22	0.5	0.0025	0.028	0.0027	0.14
	2018/7/12	0.5	0.00044	0.0040	0.00082	0.099
	2018/8/29	0.5	0.0016	0.016	0.00088	0.073
	2018/9/13	0.5	0.0019	0.021	0.0011	0.12
	2018/10/12	0.5	0.0015	0.020	0.0010	0.20
	2018/11/16	0.5	0.0015	0.017	0.00099	0.094
	2018/12/7	0.5	0.0040	0.047	0.0014	0.17
	2019/1/17	0.5	0.0012	0.016	0.00093	0.053
2019/2/15	0.5	<u>0.00076</u>	<u>0.014</u>		<u>0.095</u>	
M-103	2018/3/13	0.5	0.0023	0.020	0.0011	0.094
	2018/4/20	0.5	0.00086	0.0076	0.0011	0.11
	2018/5/18	0.5	0.00031	0.0046	0.00085	0.083
	2018/6/21	0.5	0.00079	0.0098	0.0012	0.058
	2018/7/11	0.5	0.00067	0.0075	0.00091	0.078
	2018/8/30	0.5	0.0010	0.0098	0.00099	0.10
	2018/9/14	0.5	0.0026	0.032	0.0022	0.14
	2018/10/11	0.5	0.0010	0.011	0.00083	0.077
	2018/11/15	0.5	0.0012	0.013	0.00093	0.080
	2018/12/6	0.5	0.0013	0.016	0.0011	0.10
	2019/1/18	0.5	0.00063	0.0078	0.00095	0.051
2019/2/14	0.5	<u>0.00057</u>	<u>0.0070</u>		<u>0.057</u>	
M-104	2018/3/12	0.5	0.0028	0.026	0.0038	0.17
	2018/4/19	0.5	0.00084	0.0070	0.0010	0.16
	2018/5/17	0.5	0.00094	0.0079	0.0016	0.077
	2018/6/22	0.5	0.0014	0.016	0.0021	0.091
	2018/7/12	0.5	0.00044	0.0041	0.00098	0.070
	2018/8/29	0.5	0.00092	0.011	0.0010	0.11
	2018/9/13	0.5	0.0013	0.018	0.0010	0.13
	2018/10/12	0.5	0.00077	0.0098	0.00072	0.081
	2018/11/16	0.5	0.00059	0.0078	0.00094	0.073
	2018/12/7	0.5	0.0022	0.025	0.0011	0.13
	2019/1/17	0.5	0.00098	0.012	0.00098	0.060
2019/2/15	0.5	<u>0.00056</u>	<u>0.0088</u>		<u>0.066</u>	

*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が分析。

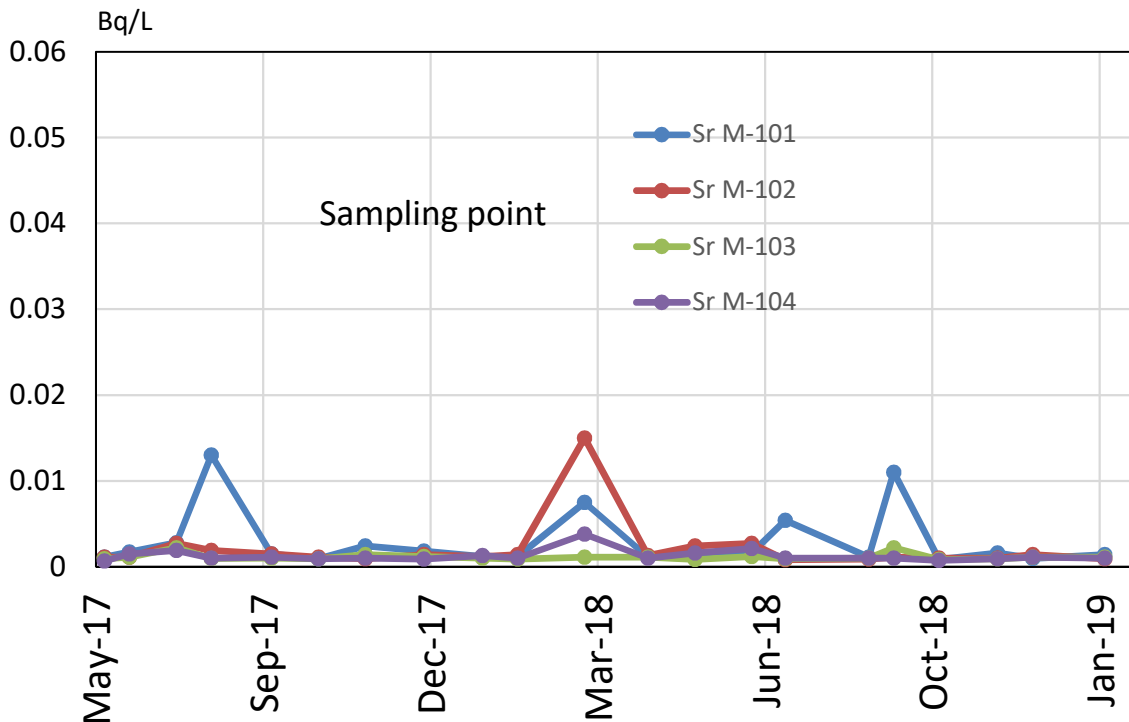
* Analysis by Marine Ecology Research Institute (MERI) of the samples collected by MERI at the request of Nuclear Regulation Authority (NRA).

* 太字下線データが今回追加分。

* Boldface and underlined readings are new.



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

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})

採取日 Sampling date	Cs-134	Cs-137	H-3	全β Gross β	Sr-90	Pu-238	Pu-239+240
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放射性物質濃度(検出下限値)(Bq/L)(ND^{※2}:不検出)
Radioactivity concentration (Lower detection limit) (Bq/L) (ND^{※2}: Not Detectable)

南放水口付近 F-P01	2018/2/13	ND	0.031	ND	0.02	0.0013	ND	ND
	2018/3/13	0.004	0.031	ND	0.02	0.0033	ND	ND
	2018/4/20	ND	0.024	ND	0.02	0.0020	ND	ND
	2018/5/16	ND	0.013	ND	0.02	0.0011	ND	ND
	2018/6/14	ND	0.024	ND	0.03	0.0024	ND	ND
	2018/7/10	0.002	0.019	ND	0.03	0.0022	ND	ND
	2018/8/19	ND	0.011	ND	0.02	0.0010	ND	ND
	2018/9/13	0.002	0.022	ND	0.03	0.0013	ND	ND
	2018/10/5	0.002	0.014	ND	0.02	0.0013	ND	ND
	2018/11/14	0.004	0.029	ND	0.02	0.0020	ND	0.00001
	2018/12/11	ND	0.013	ND	0.02	0.0011	ND	0.00001
	2019/1/17	ND	0.013	ND	0.02	0.0006	ND	0.000006
	2019/2/13	0.002	0.016	0.43	0.03	0.0010	ND	ND
2019/3/18	ND	0.027	ND	0.04	0.0014	ND	0.000007	
北放水口付近 F-P02	2018/2/13	ND	0.009	ND	0.02	0.0013	ND	ND
	2018/3/13	0.006	0.038	ND	0.02	0.0059	ND	ND
	2018/4/20	ND	0.011	ND	ND	0.0007	ND	ND
	2018/5/16	ND	0.021	ND	0.02	0.0016	ND	ND
	2018/6/14	ND	0.023	ND	0.04	0.0016	ND	ND
	2018/7/10	ND	0.005	ND	0.02	0.0008	ND	ND
	2018/8/19	ND	0.021	ND	0.02	0.0010	ND	ND
	2018/9/13	0.009	0.11	ND	0.04	0.0096	ND	ND
	2018/10/5	0.005	0.057	ND	0.03	0.0042	ND	ND
	2018/11/14	0.002	0.019	ND	0.03	0.0011	ND	0.000013
	2018/12/11	ND	0.021	ND	0.02	0.0012	ND	ND
	2019/1/17	0.002	0.021	ND	0.02	0.0011	ND	0.000005
	2019/2/13	ND	0.011	ND	0.02	0.0010	ND	0.000007
2019/3/18	ND	0.016	ND	0.04	0.0012	ND	0.000009	
取水口付近 F-P03	2018/2/13	ND	0.008	ND	0.03	0.0011	ND	0.000005
	2018/3/13	0.013	0.12	ND	0.02	0.017	ND	ND
	2018/4/20	ND	0.01	ND	0.02	0.0007	ND	ND
	2018/5/16	0.008	0.086	ND	0.02	0.013	ND	ND
	2018/6/14	0.008	0.071	ND	0.03	0.01	ND	0.000007
	2018/7/10	ND	0.007	ND	0.02	0.0008	ND	ND
	2018/8/19	0.003	0.045	ND	0.03	0.0012	ND	ND
	2018/9/13	0.031	0.34	0.66	0.03	0.013	ND	0.000008
	2018/10/5	0.012	0.14	0.44	0.02	0.01	ND	0.000003
	2018/11/14	ND	0.016	ND	0.02	0.0008	ND	0.000009
	2018/12/11	0.004	0.032	ND	0.02	0.011	ND	ND
	2019/1/17	ND	0.020	ND	0.03	0.0008	ND	ND
	2019/2/13	ND	0.031	ND	0.02	0.0012	ND	0.000007
2019/3/18	ND	0.020	ND	0.03	0.0011	ND	ND	
第一(発)沖合 2km F-P04	2018/2/13	ND	0.003	ND	0.02	0.0013	ND	ND
	2018/3/13	ND	0.016	ND	0.02	0.002	ND	0.000008
	2018/4/20	ND	0.008	ND	ND	0.0006	ND	ND
	2018/5/16	ND	0.019	ND	0.03	0.0015	ND	0.000007
	2018/6/14	ND	0.011	ND	0.02	0.0007	ND	ND
	2018/7/10	ND	0.004	ND	0.02	0.0011	ND	0.000007
	2018/8/19	ND	0.007	ND	0.03	0.0010	ND	ND
	2018/9/13	ND	0.012	ND	ND	0.0009	ND	ND
	2018/10/5	ND	0.009	ND	0.02	0.0006	ND	ND
	2018/11/14	ND	0.007	ND	ND	0.0012	ND	0.000004
	2018/12/11	ND	0.007	ND	0.02	0.0007	ND	ND
	2019/1/17	ND	0.009	ND	0.02	0.0006	ND	0.000005
	2019/2/13	ND	0.004	ND	0.03	0.0010	ND	0.000004
2019/3/14	ND	0.009	ND	0.02	0.0008	ND	ND	

※1 福島県の発表(<http://www.pref.fukushima.lg.jp/site/portal/genan208.html>)

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

※2 NDの記載は、海水の放射性物質濃度の検出値が検出下限値を下回る場合。

※2 ND indicates the case that the detected radioactivity concentration in seawater was lower than the detection

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})

採取日 Sampling date	Cs-134	Cs-137	H-3	全β Gross β	Sr-90	Pu-238	Pu-239+240
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放射性物質濃度(検出下限値)(Bq/L)(ND^{※2}:不検出)
Radioactivity concentration (Lower detection limit) (Bq/L) (ND^{※2}: Not Detectable)

夫沢・熊川沖 2km(大熊 町) (F-P05)	2018/2/13	ND	0.004	ND	0.02	0.0012	ND	ND
	2018/3/13	0.003	0.024	ND	0.03	0.0019	ND	ND
	2018/4/20	ND	0.014	ND	0.02	0.0009	ND	0.000007
	2018/5/16	ND	0.009	ND	0.02	0.0011	ND	ND
	2018/6/14	ND	0.007	ND	0.02	0.0007	ND	0.000005
	2018/7/10	ND	0.008	ND	0.02	0.001	ND	ND
	2018/8/19	ND	0.007	ND	0.02	0.001	ND	ND
	2018/9/13	ND	0.020	ND	ND	0.0012	ND	ND
	2018/10/5	ND	0.009	ND	0.02	0.0011	ND	ND
	2018/11/14	ND	0.008	ND	0.02	0.001	ND	ND
	2018/12/11	ND	0.003	ND	0.03	0.001	ND	ND
	2019/1/17	ND	0.007	ND	0.02	0.0008	ND	0.000007
	2019/2/13	ND	0.004	ND	0.03	0.0008	ND	0.000006
2019/3/14	ND	0.012	ND	0.03	0.0010	ND	0.000010	

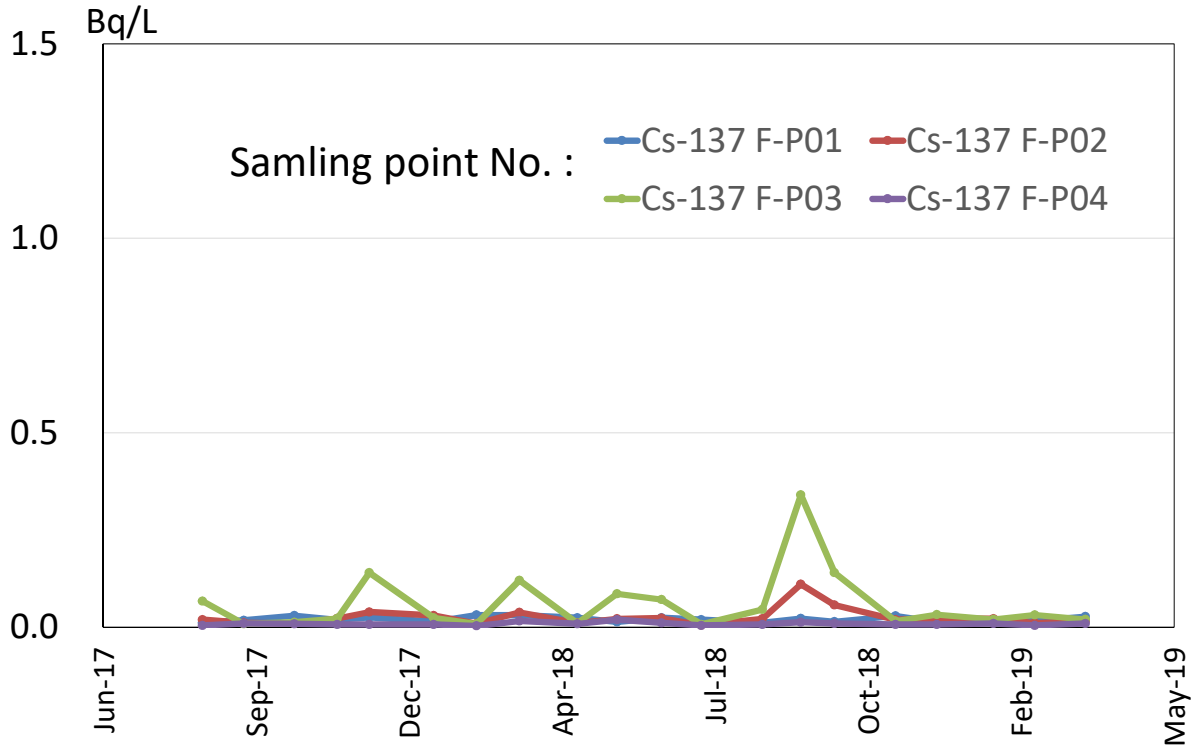
前田川沖2km (双葉町) (F-P06)	2018/2/13	ND	0.005	ND	0.02	0.001	ND	0.000008
	2018/3/13	ND	0.007	ND	0.03	0.0011	ND	ND
	2018/4/20	ND	0.005	ND	0.02	ND	ND	ND
	2018/5/16	ND	0.006	ND	0.02	0.001	ND	0.000007
	2018/6/14	ND	0.01	ND	0.02	0.0008	ND	ND
	2018/7/10	ND	0.005	ND	0.03	0.0006	ND	ND
	2018/8/19	ND	0.006	ND	ND	0.0007	ND	ND
	2018/9/13	ND	0.019	ND	0.02	0.0016	ND	ND
	2018/10/5	ND	0.007	ND	0.03	0.001	ND	ND
	2018/11/14	ND	0.008	ND	0.02	0.0009	ND	ND
	2018/12/11	ND	0.007	ND	0.02	0.0009	ND	ND
	2019/1/17	ND	0.008	ND	0.03	0.0009	ND	0.000005
	2019/2/13	ND	0.008	ND	0.03	0.0010	ND	0.000005
2019/3/18	ND	0.011	ND	0.03	0.0009	ND	0.000009	

※1 福島県の発表(<http://www.pref.fukushima.lg.jp/site/portal/genan208.html>)

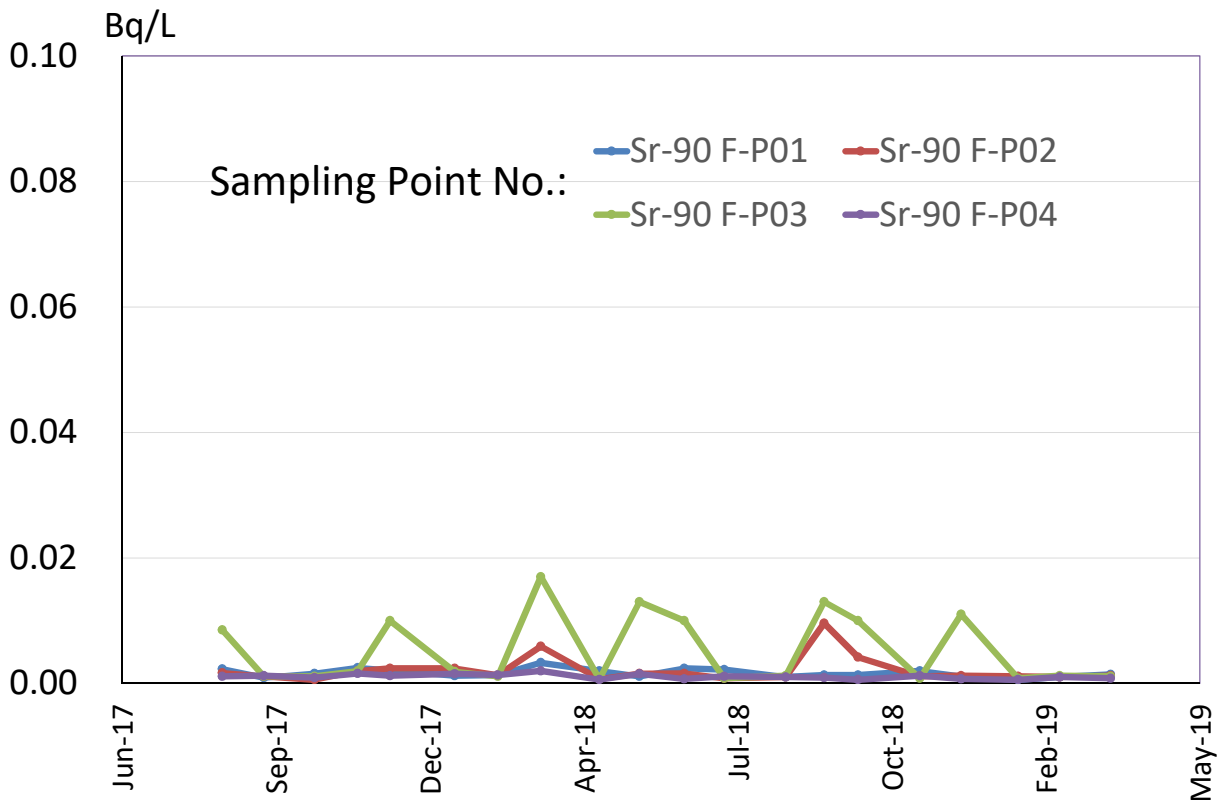
※1 Press release of Fukushima Prefecture (<http://www.pref.fukushima.lg.jp/site/portal/genan208.html>)

※2 NDの記載は、海水の放射性物質濃度の検出値が検出下限値を下回る場合。

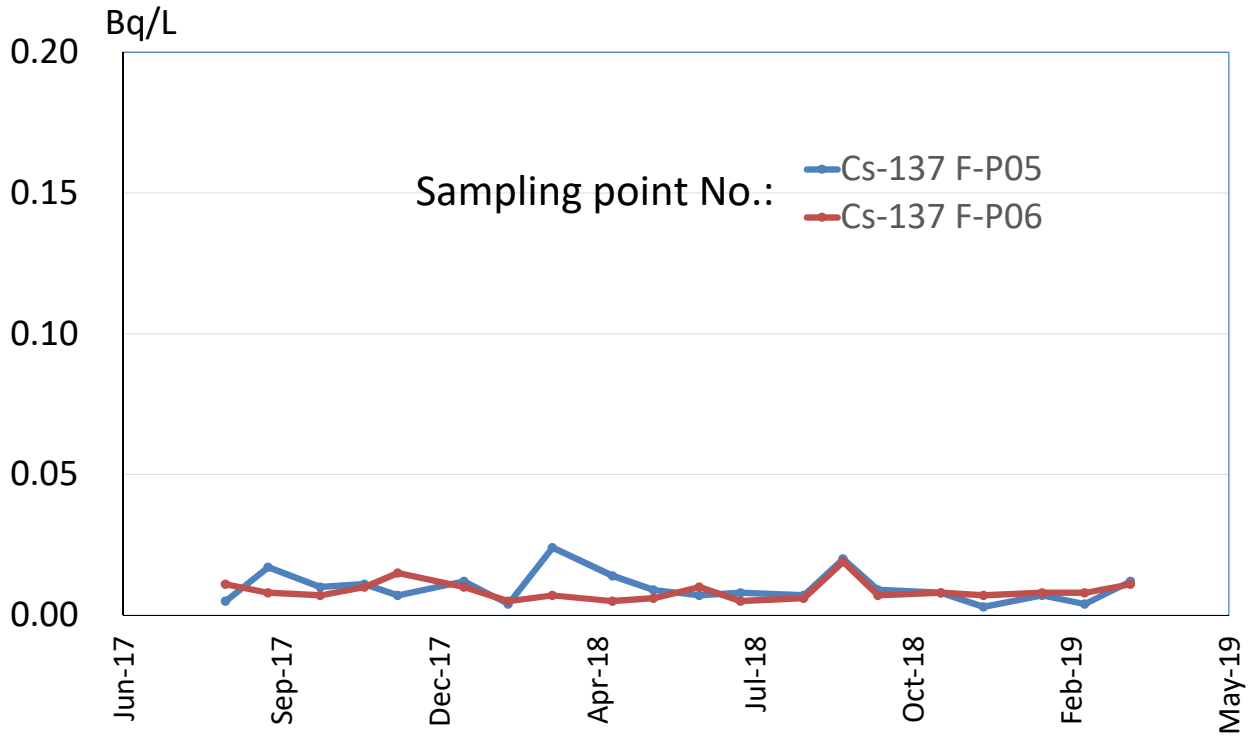
※2 ND indicates the case that the detected radioactivity concentration in seawater was lower than the detection



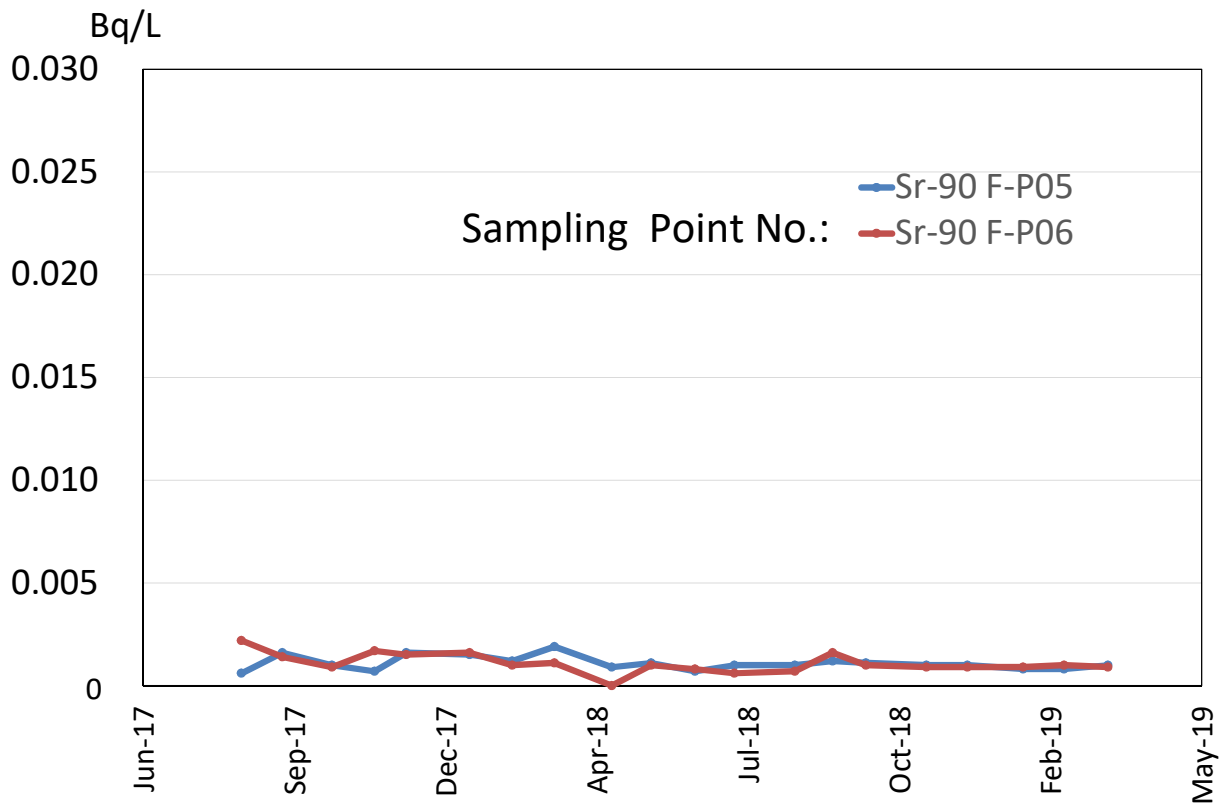
Concentration ranges of Cs-137 in sea-water near the Fukushima Daiichi NPS surveyed by Fukushima prefecture



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

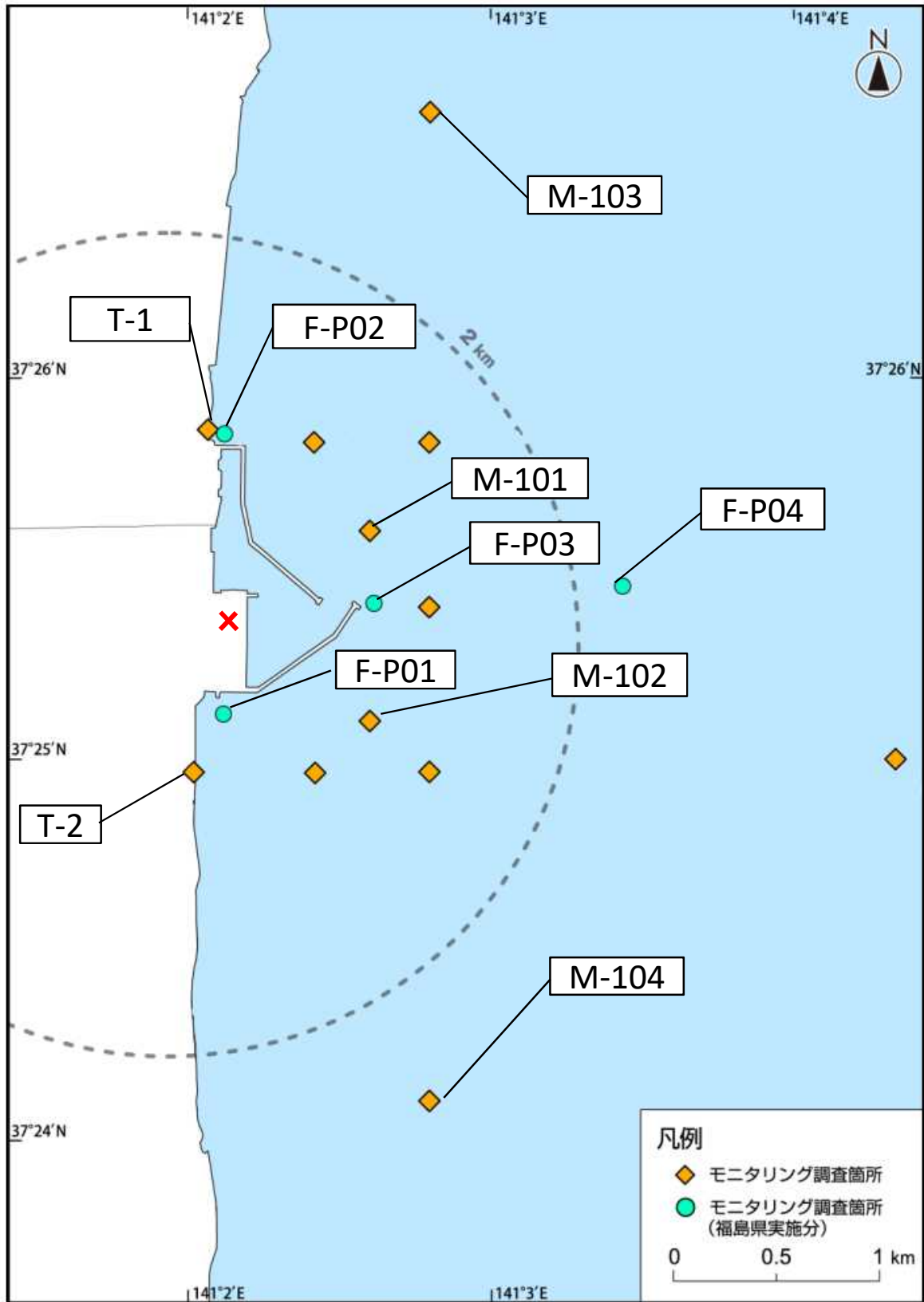


Concentration ranges of Cs-137 in sea-water around the Fukushima Daiichi NPS surveyed by Fukushima prefectuer



Concentration ranges of Sr-90 in sea-water around the Fukushima Daiichi NPS served by Fukushima prefectuer

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 and around Fukushima Dai-ichi 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 legends × indicate the locations of TEPCO Fukushima Dai-ichi NPP, respectively.

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
 (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: 令和元年5月8日、24日

Radioactivity concentration in the seawater around Fukushima Dai-ichi NPP
 (Based on the press release of TEPCO^{※1})
 Sampling Date: May 8, 24, 2019

令和元年6月25日
 Jun 25, 2019

Cs-134	Cs-137	H-3	全α (gross α)	全β (gross β)	Sr-90	Pu-238	Pu-239+240
放射性物質濃度 (検出下限値) (Bq/L) (ND ^{※2} : 不検出)							
Radioactivity concentration (Lower detection limit) (Bq/L) (ND ^{※2} : Not Detectable)							

	2019/2/5 13:45	0.0020	0.021	ND(0.30)		ND(16)				
T-3	2019/2/12 14:10	ND(0.0013)	0.014							
	2019/2/19 14:10	ND(0.0011)	0.013	ND(0.34)		ND(14)				
	2019/2/26 11:25	0.0015	0.014							
	2019/3/5 11:25	0.0030	0.033	ND(0.30)		ND(16)				
	2019/3/12 11:15	0.0036	0.043							
	2019/3/19 13:45	0.0015	0.022	0.31		ND(16)				
	2019/3/26 11:15	0.0021	0.020							
	2019/4/2 11:40	0.0017	0.029	ND(0.33)		ND(14)				
	2019/4/9 13:55	0.0023	0.022							
	2019/4/16 13:50	0.0014	0.021	0.37		ND(12)				
	2019/4/23 14:00	ND(0.0011)	0.014							
	2019/4/29 9:25	0.0015	0.024							
	2019/5/7 14:05	0.0014	0.016	ND(0.33)		ND(15)				
	2019/5/14 11:10	ND(0.0012)	0.0042							
	2019/5/24 10:10	ND(0.0013)	0.016							
T-4	2019/2/5 11:20	ND(0.0013)	0.011							
	2019/2/12 10:40	ND(0.0012)	0.0094							
	2019/2/19 11:15	ND(0.0013)	0.011							
	2019/2/26 13:55	ND(0.0012)	0.0094							
	2019/3/5 15:05	ND(0.0014)	0.016							
	2019/3/12 15:05	0.0015	0.025							
	2019/3/19 11:40	0.0017	0.018							
	2019/3/26 8:20	ND(0.0014)	0.011							
	2019/4/2 14:20	0.0019	0.022							
	2019/4/9 11:35	ND(0.0012)	0.015							
	2019/4/16 11:20	ND(0.0012)	0.013							
	2019/4/23 11:35	ND(0.0011)	0.011							
	2019/4/29 8:20	0.0018	0.022							
	2019/5/7 8:10	ND(0.0012)	0.0086							
	2019/5/14 8:30	ND(0.0012)	0.010							
2019/5/24 8:20	0.0012	0.012								
T-6	2019/2/5 10:00	ND(0.0012)	0.015	ND(0.34)		ND(17)				
	2019/2/12 9:40	0.0016	0.015							
	2019/2/19 9:50	ND(0.0012)	0.011	0.32		ND(17)				
	2019/2/26 9:55	ND(0.0013)	0.013							
	2019/3/5 9:45	0.0015	0.014	ND(0.34)		ND(17)				
	2019/3/12 9:45	0.0014	0.021							
	2019/3/19 10:15	0.0018	0.020	0.51		ND(14)				
	2019/3/26 9:40	0.0011	0.016							
	2019/4/2 10:05	0.0018	0.019	0.30		ND(14)				
	2019/4/9 10:30	ND(0.0012)	0.0088							
	2019/4/16 10:00	0.0014	0.017	0.37		ND(19)				
	2019/4/23 10:35	ND(0.0012)	0.0095							
	2019/4/29 10:35	0.0012	0.015							
	2019/5/7 9:35	ND(0.0014)	0.010	0.39		ND(17)				
	2019/5/14 10:00	ND(0.0012)	0.0063							
2019/5/24 11:35	0.0021	0.023								

○: 上層(表層~2m) Outer Layer

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

※1 東京電力ホールディングス㈱の発表(<http://www.tepco.co.jp/decommission/planaction/monitoring/index-j.html>)

※1 Press release of TEPCO (<http://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/index-e.html>)

※1 NDの記載は、海水の放射性物質濃度の検出値が検出下限値を下回る場合。

※1 ND indicates the case that the detected radioactivity concentration in seawater was lower than the detection limits.

参考

reference

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 Daiichi Nuclear Power Station.

(<https://radioactivity.nsr.go.jp/ja/contents/9000/8483/24/Beforedisaster.pdf>)

Cs-134	Cs-137	H-3	全α (gross α)	全β (gross β)	Sr-90	Pu-238	Pu-239+240
放射性物質濃度(検出下限値)(Bq/L)(ND※2:不検出) Radioactivity concentration (Lower detection limit) (Bq/L) (ND※2: Not Detectable)							

T-5	2019/2/6 7:30	ND(0.0012) ND(0.0014)	0.0016 0.0036	ND(0.30)	ND(1.9)	ND(14)	0.0011		O L
	2019/2/13 8:14	ND(0.0014) ND(0.0012)	0.0031 0.0035						O L
	2019/2/18 7:10	ND(0.0011) ND(0.0013)	0.0023 0.0030	ND(0.33)		ND(19)			O L
	2019/2/27 7:32	ND(0.0012) ND(0.0012)	0.0024 0.0024						O L
	2019/3/9 7:17	ND(0.0010) ND(0.0011)	0.0025 0.0025	ND(0.33)	ND(2.5)	ND(16)	0.00086		O L
	2019/3/13 8:14	ND(0.0014) ND(0.0014)	0.0028 0.0032						O L
	2019/3/20 7:22	ND(0.0012) ND(0.0013)	0.0029 0.0023	ND(0.34)		ND(15)			O L
	2019/3/25 6:16	ND(0.0011) ND(0.0012)	0.0021 0.0033						O L
	2019/4/3 7:38	ND(0.0011) ND(0.0013)	0.0027 0.0024	ND(0.29)	ND(2.2)	ND(14)	0.0012		O L
	2019/4/10 7:12	ND(0.00097) ND(0.0011)	0.0014 0.0021					ND(0.0000039) ND(0.0000039)	O L
	2019/4/18 7:13	ND(0.0014) ND(0.0012)	0.0019 0.0021	ND(0.33)		ND(13)			O L
	2019/4/23 8:10	ND(0.0013) ND(0.0013)	0.0022 0.0033						O L
	2019/4/29 6:55	ND(0.0013) ND(0.0012)	0.0028 0.0036						O L
	2019/5/8 7:08	ND(0.0012) ND(0.0012)	0.0021 0.0022	ND(0.35)	ND(2.4)	ND(17)	0.0012		O L
	2019/5/13 7:05	ND(0.0013) ND(0.0012)	0.0026 0.0022						O L
	2019/5/24 6:57	ND(0.00098) ND(0.0012)	0.0027 0.0016						O L

T-D1	2019/2/5 8:58	ND(0.00090) ND(0.00094)	0.0056 0.0047	ND(0.35)	ND(2.3)	ND(14)	0.0015		O L
	2019/2/13 9:18	ND(0.00098) ND(0.0011)	0.0044 0.0047						O L
	2019/2/18 7:45	ND(0.0013) ND(0.0012)	0.0051 0.0048	ND(0.35)		ND(19)			O L
	2019/2/28 8:17	0.0012 ND(0.0010)	0.012 0.0057						O L
	2019/3/9 8:37	ND(0.0013) ND(0.0013)	0.0053 0.0043	0.35	ND(2.5)	ND(16)	0.0013		O L
	2019/3/13 7:58	ND(0.0011) ND(0.0012)	0.0094 0.0098						O L
	2019/3/20 8:05	ND(0.0011) ND(0.0011)	0.0047 0.0056	ND(0.34)		ND(15)			O L
	2019/3/25 7:00	ND(0.0012) ND(0.0013)	0.0042 0.0048						O L
	2019/4/1 8:14	ND(0.0012) ND(0.0013)	0.0050 0.0060	ND(0.34)	ND(2.1)	ND(15)	0.00093		O L
	2019/4/8 8:18	ND(0.0013) ND(0.0014)	0.0043 0.0032					ND(0.0000054) ND(0.0000052)	O L
	2019/4/17 7:53	ND(0.0014) ND(0.0012)	0.0043 0.0040	ND(0.35)		ND(14)			O L
	2019/4/22 7:47	ND(0.0014) ND(0.0013)	0.0030 0.0031						O L
	2019/4/29 7:47	ND(0.0011) ND(0.0013)	0.0035 0.0054						O L
	2019/5/8 8:11	ND(0.0013) ND(0.0013)	0.0046 0.0048	ND(0.35)	ND(2.4)	ND(17)	0.0011		O L
	2019/5/13 7:46	ND(0.0012) ND(0.0010)	0.0045 0.0038						O L
	2019/5/24 7:45	ND(0.0014) ND(0.0014)	0.0054 0.0042						O L

{ O : 上層(表層~2m) Outer Layer
L : 下層(海底より2~3m上) Lower Layer

Cs-134	Cs-137	H-3	全α (gross α)	全β (gross β)	Sr-90	Pu-238	Pu-239+240
放射性物質濃度(検出下限値)(Bq/L)(ND※2:不検出) Radioactivity concentration (Lower detection limit) (Bq/L) (ND※2: Not Detectable)							

T-D5	2019/2/5 9:26	ND(0.0010) ND(0.0012)	0.0057 0.0080	ND(0.35)	ND(2.3)	ND(14)	0.0011		O L
	2019/2/13 9:54	ND(0.0012) ND(0.0013)	0.0030 0.0034						O L
	2019/2/18 8:11	ND(0.0013) ND(0.0013)	0.0032 0.0060	ND(0.35)		ND(19)			O L
	2019/2/28 8:44	ND(0.0012) ND(0.0012)	0.0048 0.0040						O L
	2019/3/6 7:04	ND(0.0011) ND(0.0012)	0.0050 0.0035	0.48	ND(1.9)	ND(15)	0.0015		O L
	2019/3/13 8:26	ND(0.0012) ND(0.0013)	0.010 0.0057						O L
	2019/3/20 8:31	ND(0.0014) ND(0.0012)	0.011 0.0073	ND(0.34)		ND(15)			O L
	2019/3/25 7:28	ND(0.0013) ND(0.0014)	0.0067 0.0065						O L
	2019/4/1 8:49	ND(0.0013) ND(0.0012)	0.0043 0.0050	0.42	ND(2.1)	ND(15)	0.0016		O L
	2019/4/8 8:46	ND(0.0010) ND(0.0013)	0.0042 0.0032				ND(0.0000055)	ND(0.0000051)	O L
	2019/4/17 8:17	ND(0.0011) ND(0.0012)	0.0073 0.0054	0.37		ND(14)			O L
	2019/4/22 8:15	ND(0.0012) ND(0.0014)	0.0065 0.0054						O L
	2019/4/29 8:14	ND(0.0013) ND(0.0014)	0.0036 0.0045						O L
	2019/5/8 8:43	ND(0.0012) ND(0.0013)	0.0028 0.0040	ND(0.35)	ND(2.4)	ND(17)	0.0011		O L
	2019/5/13 8:11	ND(0.0011) ND(0.0012)	0.0028 0.0038						O L
	2019/5/24 8:13	ND(0.0014) ND(0.0013)	0.0031 0.0029						O L

T-D9	2019/2/6 8:30	ND(0.0014) ND(0.0012)	0.0027 0.0034	ND(0.30)	ND(1.9)	ND(14)	0.0014		O L
	2019/2/13 7:25	ND(0.0012) ND(0.0013)	0.0027 0.0021						O L
	2019/2/18 8:01	ND(0.0013) ND(0.0014)	0.0030 0.0033	ND(0.33)		ND(19)			O L
	2019/2/27 8:25	ND(0.0014) ND(0.0014)	0.0034 0.0067						O L
	2019/3/6 6:23	ND(0.0013) ND(0.0013)	0.0065 0.0079	ND(0.35)	ND(1.9)	ND(15)	0.00099		O L
	2019/3/13 9:27	ND(0.0012) ND(0.0012)	0.0076 0.0045						O L
	2019/3/20 8:08	ND(0.0013) ND(0.0014)	0.0083 0.0078	ND(0.34)		ND(15)			O L
	2019/3/25 7:01	ND(0.0010) ND(0.0011)	0.0037 0.0052						O L
	2019/4/1 7:46	ND(0.0011) ND(0.0012)	0.0052 0.0065	0.36	ND(2.2)	ND(15)	0.0015		O L
	2019/4/10 8:03	ND(0.0013) ND(0.0013)	0.0036 0.0037				ND(0.0000077)	ND(0.0000079)	O L
	2019/4/18 8:11	ND(0.0013) ND(0.0012)	0.0075 0.0041	ND(0.33)		ND(13)			O L
	2019/4/23 9:16	ND(0.0013) ND(0.0012)	0.0040 0.0048						O L
	2019/4/29 7:37	ND(0.0013) ND(0.0012)	0.0065 0.0043						O L
	2019/5/8 8:14	ND(0.0013) ND(0.0014)	0.0033 0.0045	ND(0.35)	ND(2.4)	ND(17)	0.0014		O L
	2019/5/13 7:45	ND(0.0011) ND(0.0013)	0.0029 0.0042						O L
	2019/5/24 7:40	ND(0.0013) ND(0.0014)	0.0025 0.0043						O L

○: 上層(表層~2m) Outer Layer
 □: 下層(海底より2~3m上) Lower Layer

Cs-134

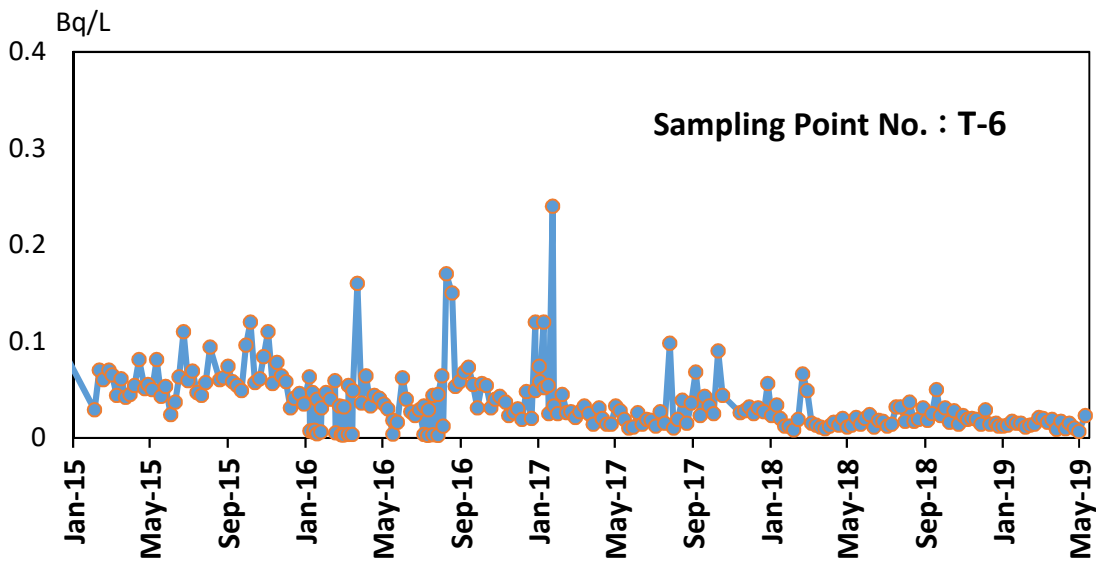
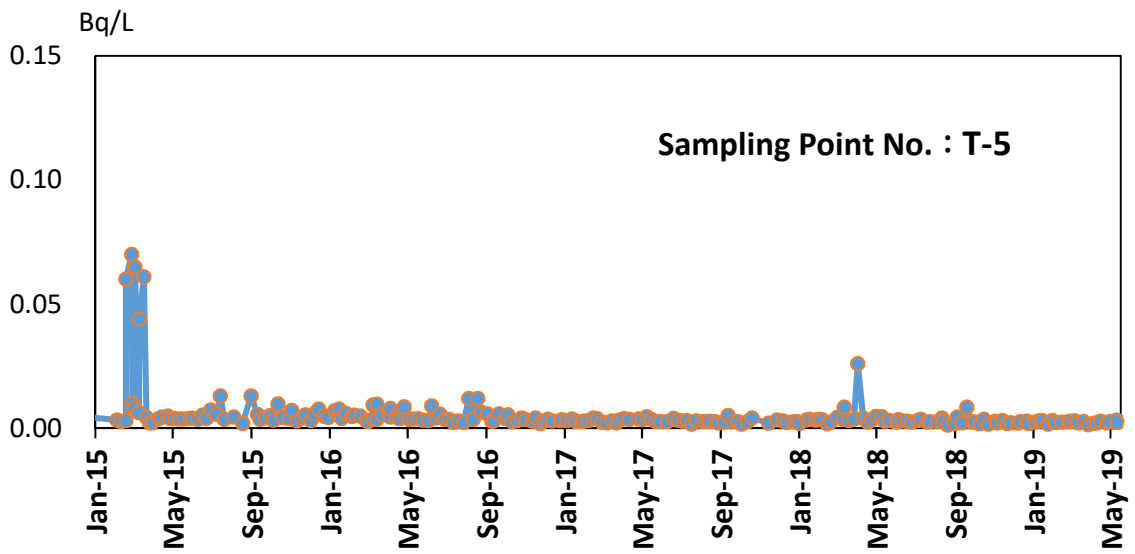
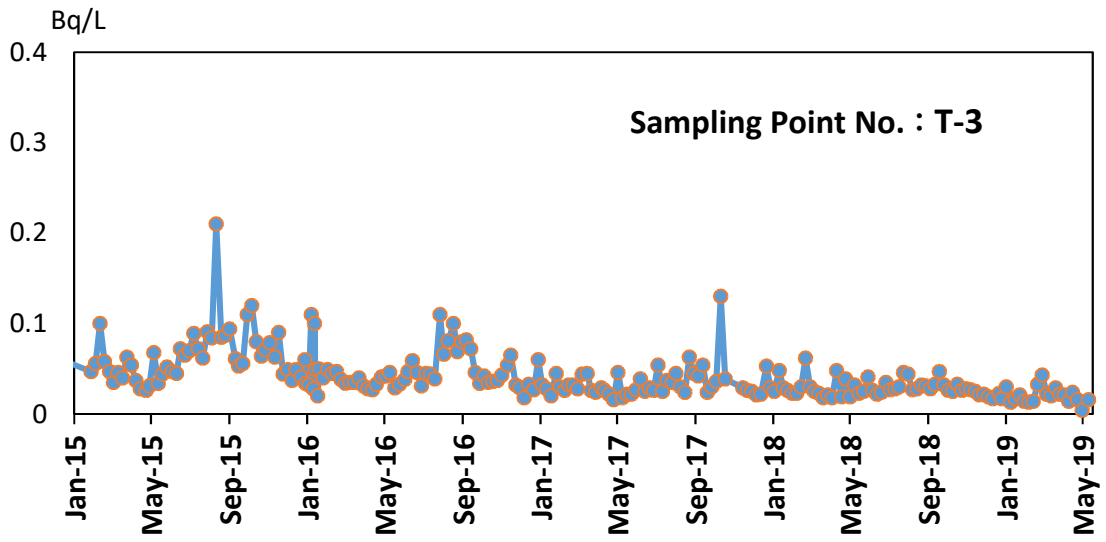
Cs-137

放射性物質濃度(検出下限値)(Bq/L)(ND※2:不検出)
Radioactivity concentration (Lower detection limit) (Bq/L) (ND※2: Not Detectable)

T-11	2019/2/6 9:05	ND(0.0014)	0.0027	O
		ND(0.0012)	0.0029	L
	2019/2/13 6:58	ND(0.0013)	0.0042	O
		ND(0.0013)	0.0040	L
	2019/2/18 8:44	ND(0.0012)	0.0032	O
		ND(0.0014)	0.0039	L
	2019/2/27 8:54	ND(0.0013)	0.0030	O
		ND(0.0014)	0.0045	L
	2019/3/6 5:53	ND(0.0012)	0.0071	O
		ND(0.0012)	0.0075	L
	2019/3/13 10:05	ND(0.0013)	0.0076	O
		ND(0.0013)	0.0072	L
	2019/3/20 8:36	ND(0.0014)	0.0064	O
		ND(0.0013)	0.0064	L
	2019/3/25 7:30	ND(0.0013)	0.0077	O
		ND(0.0014)	0.0070	L
	2019/4/1 7:05	ND(0.0014)	0.012	O
		ND(0.0014)	0.012	L
	2019/4/10 8:43	ND(0.0013)	0.0041	O
		ND(0.0013)	0.0047	L
2019/4/18 8:46	ND(0.0012)	0.0053	O	
	ND(0.0014)	0.0045	L	
2019/4/23 9:54	ND(0.0014)	0.0048	O	
	ND(0.0010)	0.0062	L	
2019/4/29 8:05	ND(0.0013)	0.0086	O	
	ND(0.0014)	0.0037	L	
2019/5/8 8:51	ND(0.0013)	0.0042	O	
	ND(0.0014)	0.0045	L	
2019/5/13 8:13	ND(0.0014)	0.0022	O	
	0.0012	0.016	L	
2019/5/24 8:09	ND(0.0012)	0.0086	O	
	ND(0.0013)	0.0061	L	

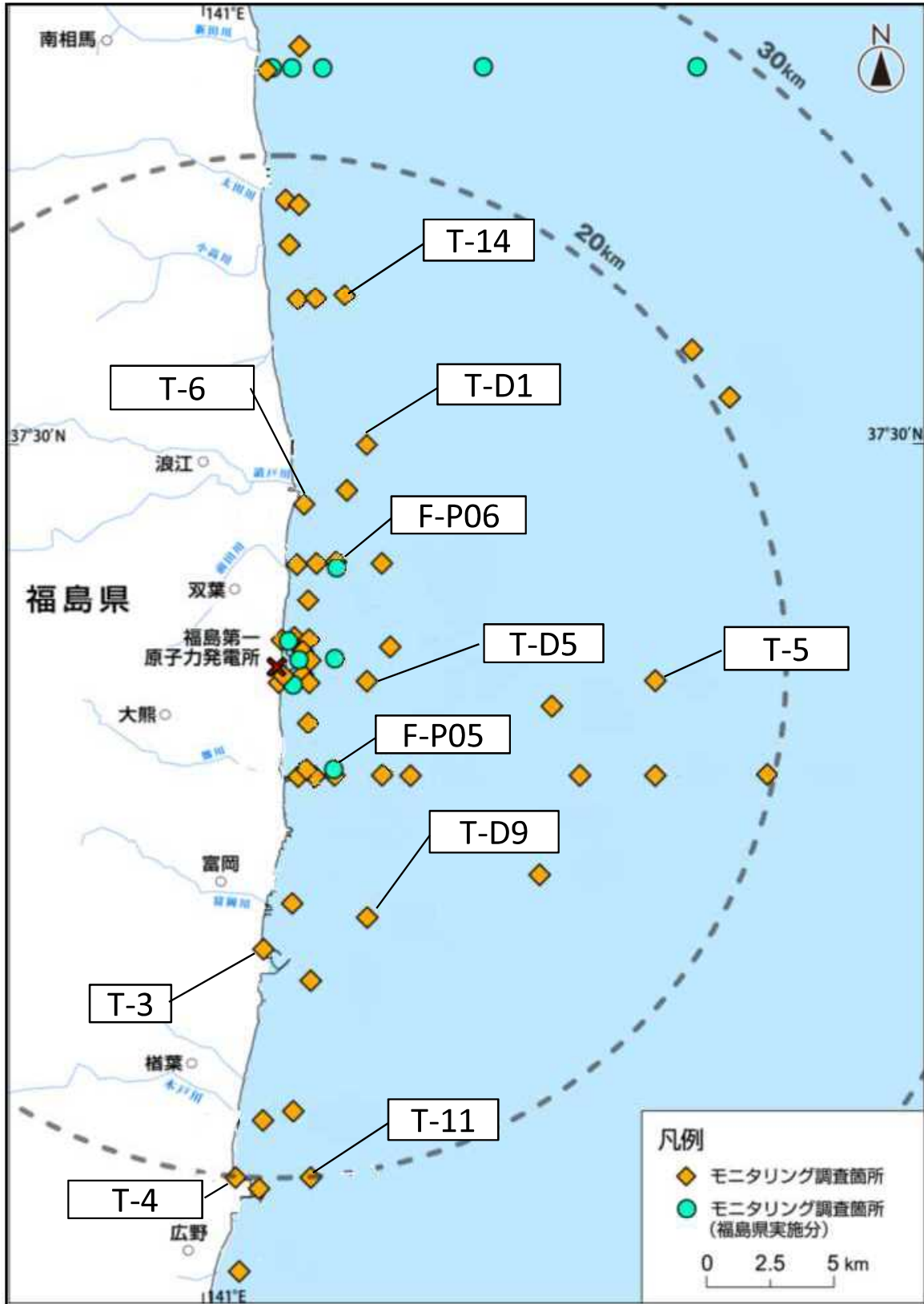
T-14	2019/2/5 8:29	ND(0.0013)	0.0049	O
		ND(0.0013)	0.0050	L
	2019/2/13 8:52	ND(0.0013)	0.0032	O
		ND(0.0014)	0.0032	L
	2019/2/18 7:26	ND(0.0014)	0.0072	O
		ND(0.0014)	0.0086	L
	2019/2/28 7:58	ND(0.0014)	0.0034	O
		ND(0.0013)	0.0033	L
	2019/3/9 8:13	ND(0.0013)	0.0039	O
		ND(0.0014)	0.0054	L
	2019/3/13 7:36	ND(0.0014)	0.0052	O
		ND(0.0014)	0.0081	L
	2019/3/20 7:45	ND(0.0013)	0.0050	O
		ND(0.0014)	0.0049	L
	2019/3/25 6:40	ND(0.0013)	0.0040	O
		ND(0.0013)	0.0048	L
	2019/4/1 7:42	ND(0.0014)	0.0053	O
		ND(0.0012)	0.0056	L
	2019/4/8 7:59	ND(0.0013)	0.0033	O
		ND(0.0012)	0.0035	L
2019/4/17 7:33	ND(0.0014)	0.0049	O	
	ND(0.0013)	0.0042	L	
2019/4/22 7:27	ND(0.0013)	0.0031	O	
	ND(0.0014)	0.0052	L	
2019/4/29 7:26	ND(0.0010)	0.0040	O	
	0.0013	0.0064	L	
2019/5/8 7:25	ND(0.0015)	0.0039	O	
	ND(0.0015)	0.0044	L	
2019/5/13 7:26	ND(0.0011)	0.0035	O	
	ND(0.0011)	0.0031	L	
2019/5/24 7:21	ND(0.0012)	0.0086	O	
	ND(0.0011)	0.0055	L	

O: 上層(表層~2m) Outer Layer
L: 下層(海底より2~3m上) Lower 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)福島第一原子力発電所を示す。

* The legends × indicate the locations of TEPCO Fukushima Dai-ichi NPP, respectively.

福島第一原子力発電所近傍・沿岸海域の海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: 令和元年5月6日

Radioactivity concentration in the sediment near and around Fukushima Dai-ichi NPP
 (Based on the press release of TEPCO※1)
 Sampling Date: May 6, 2019

令和元年6月25日
 Jun 25, 2019

Cs-134	Cs-137	Sr-90	Pu-238	Pu-239+240
放射性物質濃度 (検出下限値) (Bq/kg・乾土)(ND ^{※2} : 不検出) Radioactivity concentration (Lower detection limit) (Bq/kg・dry soil) (ND ^{※2} : Not Detectable)				

近傍海域

T-1	2019/3/4 8:00	16	170	ND(0.67)		
	2019/4/1 8:20	17	210			
	2019/4/15				ND(0.013)	0.055
	2019/5/6 7:50	24	310	ND(0.87)		

T-2	2019/3/4 7:00	13	150	ND(0.77)		
	2019/4/1 7:25	13	130			
	2019/4/15				ND(0.012)	0.064
	2019/5/6 7:00	13	160	ND(0.88)		

沿岸海域

T-3	2019/2/5 13:45	4.6	53			
	2019/3/14 14:15	6.8	80			
	2019/4/9 13:55	6.5	88			
	2019/5/7 14:05	3.7	61			

T-4	2019/2/5 11:20	6.1	63			
	2019/3/5 15:05	2.6	41			
	2019/4/2 14:20	2.9	31			
	2019/5/7 8:10	3.6	49			

T-5	2019/2/6 7:30	3.1	34			
	2019/3/9 7:17	2.8	40			
	2019/4/3 7:38	5.8	36			
	2019/5/8 7:08	3.4	49			

T-11	2019/2/6 9:05	ND(3.0)	35			
	2019/3/6 5:53	ND(2.7)	25			
	2019/4/1 7:05	ND(2.8)	31			
	2019/5/8 8:51	ND(2.7)	21			

T-14	2019/2/5 8:29	ND(2.2)	7.2			
	2019/3/9 8:13	ND(2.1)	3.6			
	2019/4/1 7:42	ND(2.2)	5.2			
	2019/5/8 7:25	ND(2.0)	ND(2.4)			

T-①	2019/2/21 8:03	ND(2.6)	18			
	2019/3/13 8:00	ND(2.9)	19			
	2019/4/24 7:45	ND(2.3)	12			
	2019/5/15 7:36	2.6	17			

T-②	2019/2/21 7:52	ND(2.5)	19			
	2019/3/13 7:48	ND(2.5)	14			
	2019/4/24 7:34	ND(2.5)	18			
	2019/5/15 7:26	ND(2.8)	11			

T-③	2019/2/21 9:04	7.4	87			
	2019/3/13 8:54	ND(2.9)	38			
	2019/4/24 8:38	15	180			
	2019/5/15 8:22	6.8	97			

T-④	2019/2/21 8:56	6.8	88			
	2019/3/13 8:41	7.9	79			
	2019/4/24 8:28	3.4	61			
	2019/5/15 8:14	4.8	67			

T-⑤	2019/2/21 8:28	4.9	47			
	2019/3/13 8:30	6.0	83			
	2019/4/24 8:16	3.4	34			
	2019/5/15 8:04	ND(2.3)	19			

T-⑥	2019/2/20 8:10	19	230			
	2019/3/15 7:43	18	200			
	2019/4/5 7:55	16	220			
	2019/5/29 8:04	11	160			

T-⑦	2019/2/20 8:05	19	210			
	2019/3/15 7:36	11	140			
	2019/4/5 7:46	18	180			
	2019/5/29 7:56	17	250			

T-⑧	2019/2/20 7:58	5.1	79			
	2019/3/15 7:28	ND(2.4)	33			
	2019/4/5 7:38	ND(2.4)	32			
	2019/5/29 7:47	ND(2.6)	36			

T-⑨	2019/2/20 7:45	43	570			
	2019/3/15 7:15	13	160			
	2019/4/5 7:07	9.2	120			
	2019/5/29 7:32	ND(3.0)	37			

T-⑩	2019/2/15 8:20	ND(2.1)	14			
	2019/3/26 8:05	ND(2.5)	5.0			
	2019/4/3 9:12	ND(2.8)	17			
	2019/5/10 7:58	ND(2.2)	7.7			

T-⑪	2019/2/15 7:56	ND(2.5)	28			
	2019/3/26 7:48	ND(2.8)	34			
	2019/4/3 8:46	ND(3.0)	41			
	2019/5/10 7:39	4.3	50			

* 太字下線データが今回追加分。

* Boldface and underlined readings are new.

※1 東京電力ホールディングス㈱の発表 (<http://www.tepco.co.jp/decommission/planaction/monitoring/index-j.html>)

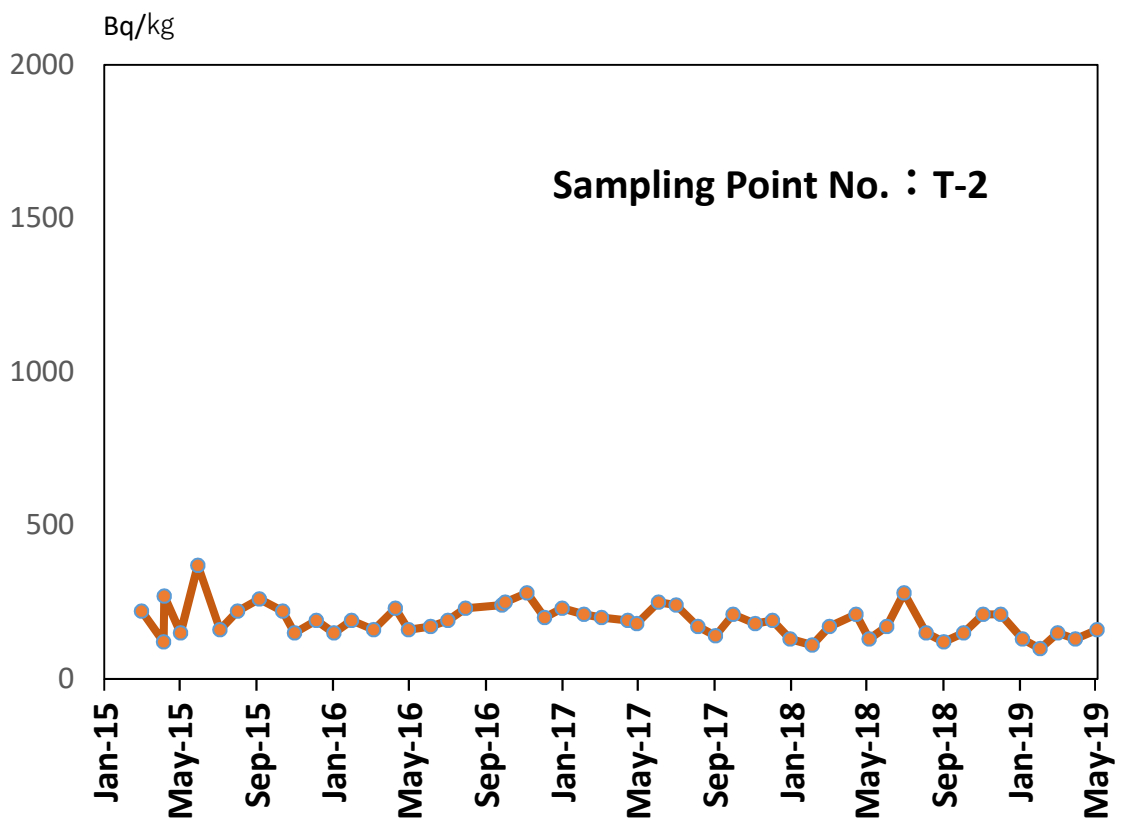
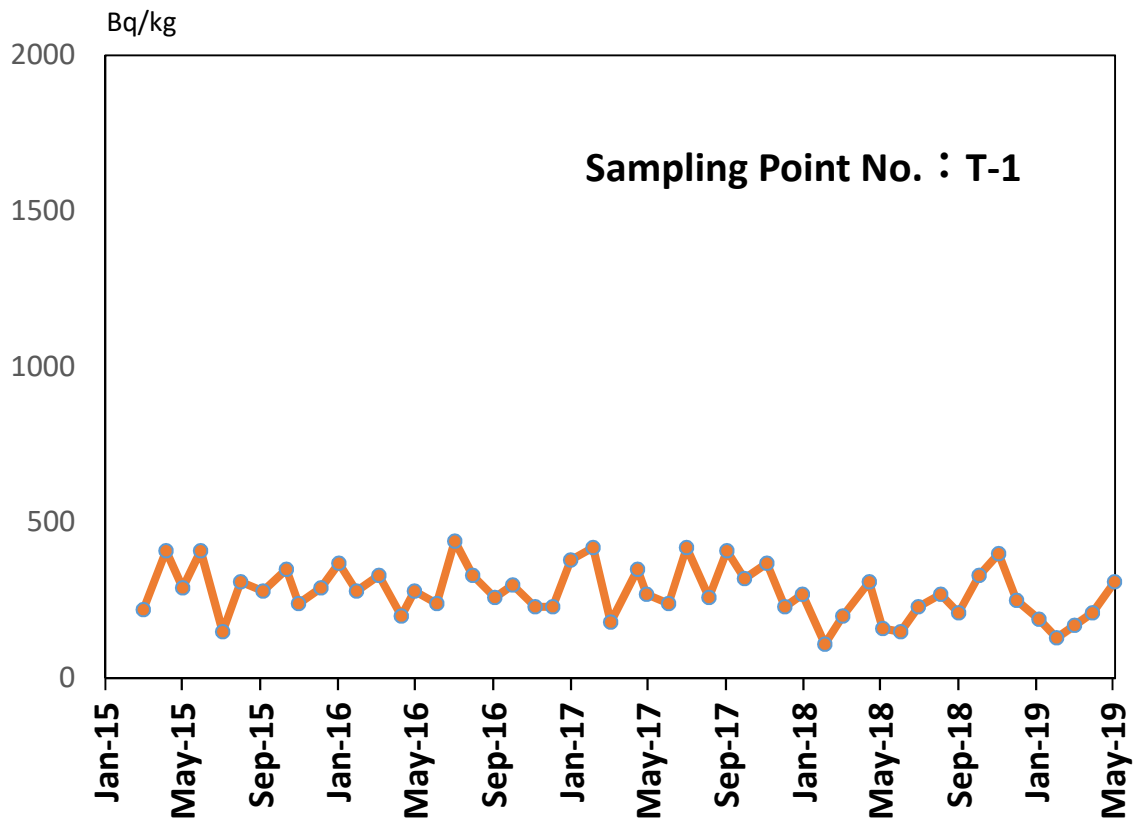
※1 Based on the press release of TEPCO (<http://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/index-e.html>)

※2 NDの記載は、海底土の放射性物質濃度の検出値が検出下限値を下回る場合。

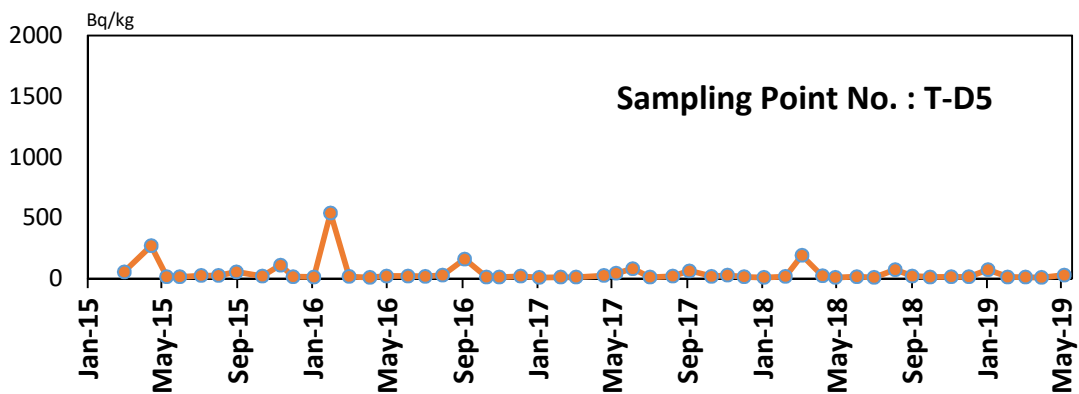
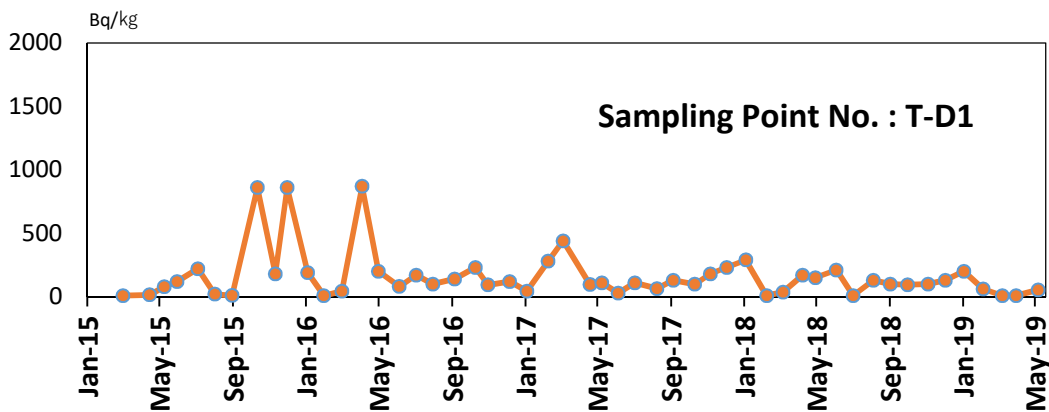
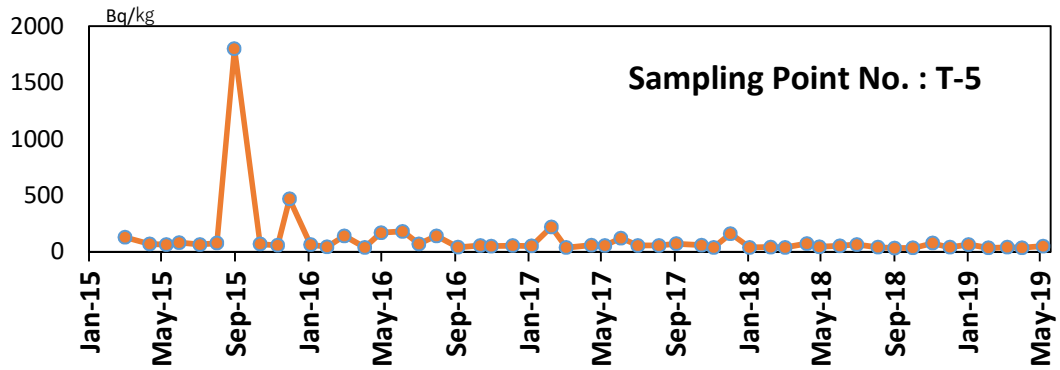
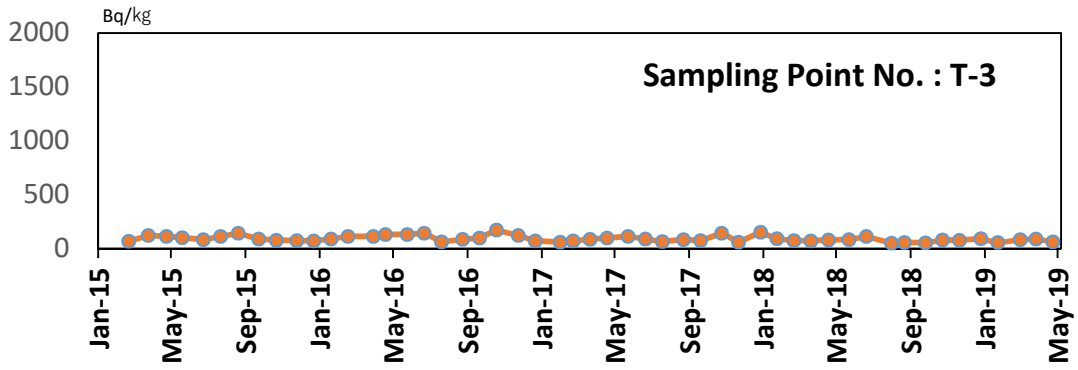
※2 ND indicates the case that the detected radioactivity concentration in the sediment was lower than the detection limits.

Cs-134	Cs-137
放射性物質濃度 (検出下限値) (Bq/kg・乾土) Radioactivity concentration (Lower detection limit) (Bq/kg・dry soil)(ND※2 : Not Detectable)	

T-D1	2019/2/5 8:58	4.3	62
	2019/3/9 8:37	ND(2.1)	9.0
	2019/4/1 8:14	ND(2.4)	8.5
	2019/5/8 8:11	5.2	54
T-D5	2019/2/5 9:26	ND(2.3)	13
	2019/3/6 7:04	ND(2.3)	11
	2019/4/1 8:49	ND(2.3)	9.3
	2019/5/8 8:43	ND(2.1)	29
T-D9	2019/2/6 8:30	ND(2.6)	25
	2019/3/6 6:23	ND(2.0)	17
	2019/4/1 7:46	ND(2.3)	12
	2019/5/8 8:14	ND(2.5)	18
T-⑫	2019/2/15 7:32	ND(2.6)	30
	2019/3/26 7:23	ND(3.4)	28
	2019/4/3 8:27	3.1	39
	2019/5/10 7:14	3.9	62
T-⑬	2019/2/20 7:11	12	140
	2019/3/15 8:16	8.5	120
	2019/4/5 8:32	9.0	100
	2019/5/29 8:56	17	220
T-S1	2019/2/14 6:13	ND(3.0)	5.8
	2019/3/13 5:55	ND(2.9)	21
	2019/4/17 6:08	ND(2.6)	4.1
	2019/5/16 5:52	ND(2.8)	8.9
T-S3	2019/2/5 6:37	ND(2.3)	7.8
	2019/3/6 5:45	ND(2.1)	8.4
	2019/4/3 5:34	ND(2.0)	5.4
	2019/5/9 6:00	ND(2.2)	8.9
T-S4	2019/2/5 6:21	ND(2.0)	10
	2019/3/6 6:10	ND(2.6)	9.1
	2019/4/3 6:02	2.9	29
	2019/5/9 5:45	ND(2.5)	6.5
T-S5	2019/2/25 6:10	7.6	86
	2019/3/18 6:17	ND(1.8)	2.3
	2019/4/8 6:20	ND(3.2)	26
	2019/5/27 6:04	ND(1.8)	3.2
T-S7	2019/2/25 5:48	3.4	46
	2019/3/18 5:53	13	140
	2019/4/8 5:48	7.2	80
	2019/5/27 5:40	6.8	88
T-S8	2019/2/6 5:57	3.2	30
	2019/3/14 6:18	ND(2.9)	40
	2019/4/10 5:45	ND(3.5)	31
	2019/5/27 8:09	5.1	61
T-B1	2019/2/19 7:03	ND(1.8)	6.1
	2019/3/26 6:31	ND(2.1)	8.5
	2019/4/16 6:20	ND(2.1)	4.2
	2019/5/14 6:35	ND(2.0)	4.2
T-B2	2019/2/19 6:35	3.1	32
	2019/3/26 6:58	ND(2.8)	23
	2019/4/16 6:54	ND(2.5)	10
	2019/5/14 6:08	ND(2.4)	13
T-B3	2019/2/25 5:38	ND(1.8)	3.4
	2019/3/18 6:08	ND(1.9)	2.7
	2019/4/2 5:15	ND(2.3)	ND(2.2)
	2019/5/7 5:48	ND(2.0)	2.9
T-B4	2019/2/25 6:32	ND(2.3)	6.2
	2019/3/18 6:52	ND(2.5)	13
	2019/4/2 5:56	ND(2.4)	17
	2019/5/7 6:28	ND(2.2)	12
T-13-1	2019/3/20 6:27	ND(2.1)	ND(2.0)
	2019/5/24 6:29	3.3	28
T-7	2019/3/15 6:57	ND(2.9)	48
	2019/5/16 7:05	ND(3.7)	49
T-18	2019/3/15 9:10	ND(2.6)	24
	2019/5/16 9:25	ND(3.2)	24
T-12	2019/3/19 5:41	2.6	15
	2019/5/17 7:34	ND(2.3)	8.9
T-17-1	2019/3/19 6:13	ND(2.0)	15
	2019/5/17 6:52	ND(2.6)	18
T-20	2019/3/19 6:45	ND(2.8)	17
	2019/5/17 6:05	ND(2.7)	21
T-22	2019/3/20 5:08	8.1	110
	2019/5/24 5:21	ND(1.7)	ND(2.1)
T-MA	2019/3/20 5:50	ND(1.8)	ND(2.2)
	2019/5/24 5:46	ND(2.8)	28
T-M10	2019/3/15 8:15	5.1	70
	2019/5/16 8:25	5.4	70

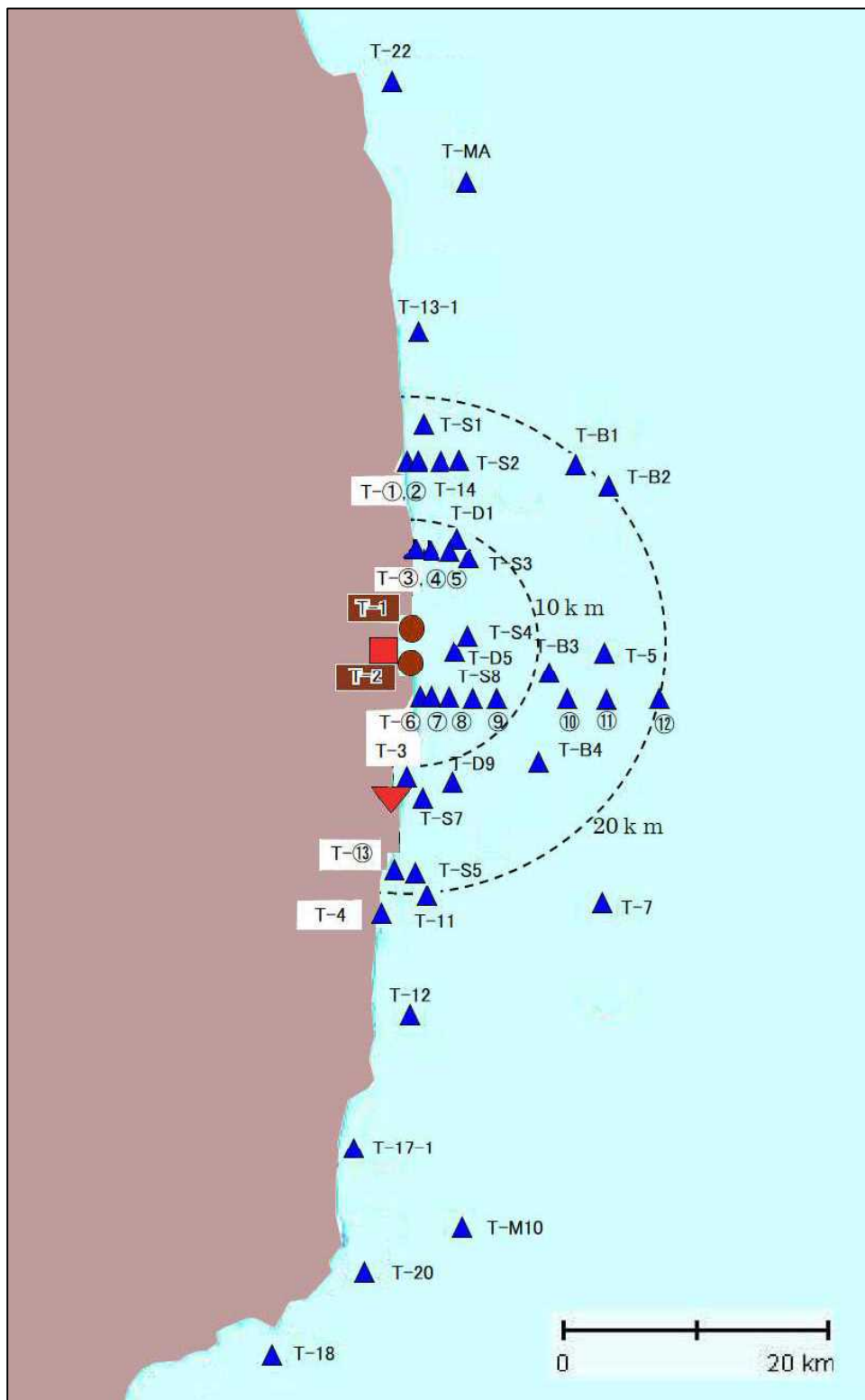


Concentration ranges of Cs-137 in sea-sediment near the Fukushima Daiichi NPS surveyed by TEPCO



Concentration ranges of Cs-137 in sea-sediment around the Fukushima Daiichi NPS surveyed by TEPCO

福島第一及び第二原子力発電所近傍海域の海底土採取ポイント
 (Sediment sampling points near Fukushima Dai-ichi and Dai-ni NPPs)



- 図中の■及び▼は東京電力ホールディングス(株)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 legends ■ and ▼ indicate 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})

採取場所 Sampling point	採取日 Sampling date	Cs-134	Cs-137	Sr-90	Pu-238	Pu-239+240
放射性物質濃度 (検出下限値) (Bq/kg) (ND ^{※2} : 不検出) Radioactivity concentration (Lower detection limit) (Bq/kg) (ND ^{※2} : Not)						
南放水口付近 F-P01	2017/2/14	47	300	0.43	ND	0.10
	2017/5/16	52	360	0.23	ND	0.20
	2017/8/18	42	300	ND	ND	0.21
	2017/11/14	34	280	0.38	ND	0.18
	2018/2/13	29	260	4.6	ND	0.21
	2018/5/16	25	230	0.20	ND	0.43
	2018/8/19	27	280	0.26	ND	0.14
	2018/11/14	25	270	0.39	ND	0.29
	2019/2/13	18	210	ND	ND	0.12
北放水口付近 F-P02	2017/2/14	37	230	ND	ND	0.27
	2017/5/16	26	180	ND	ND	0.29
	2017/8/18	19	140	ND	ND	0.30
	2017/11/14	22	180	0.20	ND	0.32
	2018/2/13	20	180	0.79	ND	0.29
	2018/5/16	30	280	0.22	ND	0.39
	2018/8/19	14	140	ND	ND	0.15
	2018/11/14	35	410	ND	ND	0.38
	2019/2/13	14	170	ND	ND	0.20
取水口付近 F-P03	2017/2/14	53	340	ND	ND	0.30
	2017/5/16	52	360	ND	ND	0.26
	2017/8/18	38	280	ND	ND	0.25
	2017/11/14	35	280	0.77	ND	0.41
	2018/2/13	34	290	0.56	ND	0.29
	2018/5/16	38	360	ND	ND	0.36
	2018/8/19	38	400	0.31	ND	0.34
	2018/11/14	34	350	0.45	ND	0.25
	2019/2/13	24	300	0.20	ND	0.18
第一(発)沖合 2km F-P04	2017/2/14	6.4	43	ND	ND	0.36
	2017/5/16	23	150	ND	ND	0.33
	2017/8/18	11	78	ND	ND	0.40
	2017/11/14	6.2	52	0.71	ND	0.32
	2018/2/13	3.5	31	ND	ND	0.29
	2018/5/16	3.4	32	ND	ND	0.41
	2018/8/19	3.5	43	ND	ND	0.39
	2018/11/14	1.5	25	0.41	ND	0.39
	2019/2/13	2.6	32	ND	ND	0.43

※1 福島県の発表(<http://www.pref.fukushima.lg.jp/site/portal/genan208.html>)

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

※2 NDの記載は、海水の放射性物質濃度の検出値が検出下限値を下回る場合。

※2 ND indicates the case that the detected radioactivity concentration in seawater was lower than the detection

福島第一原子力発電所周辺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})

採取場所 Sampling point	採取日 Sampling date	Cs-134	Cs-137	Sr-90	Pu-238	Pu-239+240
放射性物質濃度 (検出下限値) (Bq/kg) (ND ^{※2} : 不検出)						

夫沢・熊川沖2km (大熊町) (F-P05)	2017/2/14	12	75	ND	ND	0.42
	2017/5/16	6.9	48	ND	ND	0.42
	2017/8/18	5.9	45	0.39	ND	0.41
	2017/11/14	6.7	52	0.29	0.01	0.41
	2018/2/13	3.1	27	ND	ND	0.37
	2018/5/16	3.6	34	ND	ND	0.21
	2018/8/19	2.8	31	0.21	ND	0.39
	2018/11/14	ND	18	0.17	ND	0.35
	2019/2/13	2.0	24	ND	ND	0.39

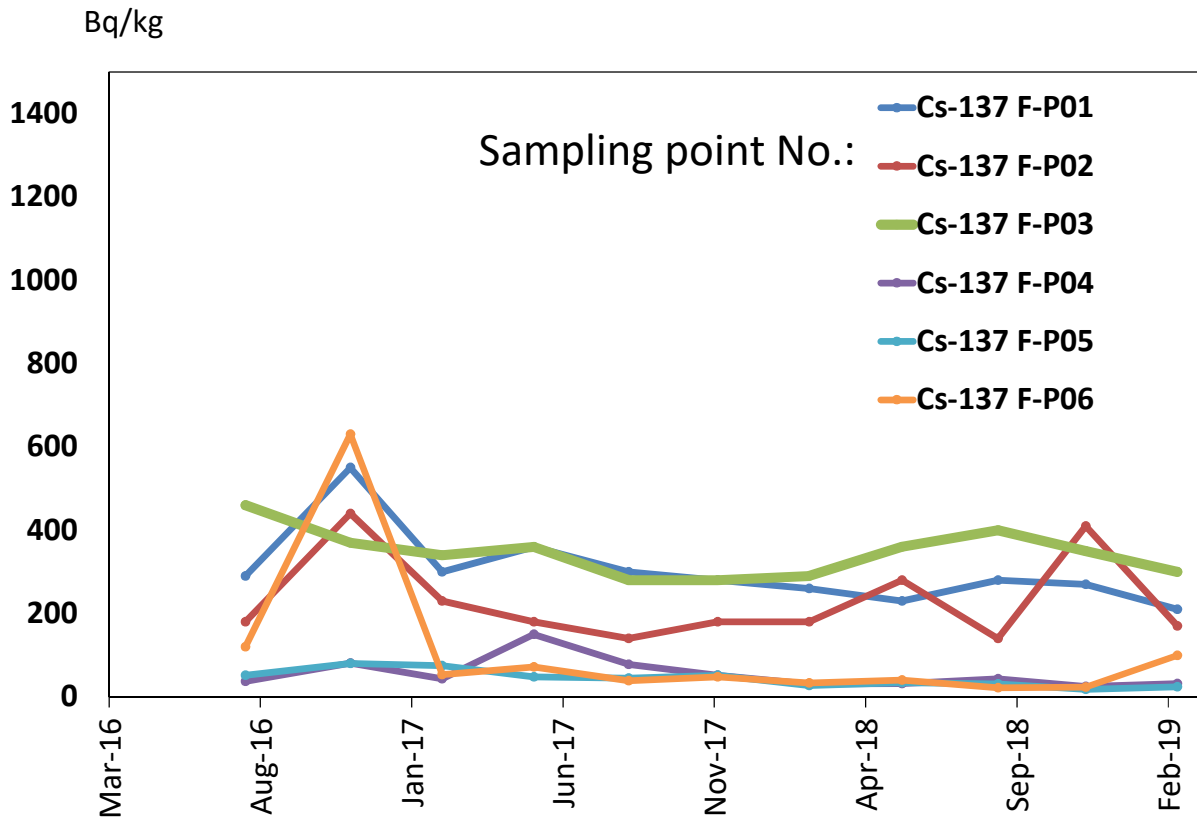
前田川沖2km (双葉町) (F-P06)	2016/11/15	8.5	53	ND	ND	0.44
	2017/2/14	10	72	ND	ND	0.47
	2017/5/16	5.1	39	ND	ND	0.42
	2017/8/18	5.7	48	0.30	ND	0.61
	2017/11/14	3.6	33	ND	ND	0.40
	2018/2/13	3.5	40	ND	ND	0.46
	2018/5/16	2.3	22	ND	ND	0.35
	2018/8/19	1.8	23	0.29	ND	0.54
	2019/2/13	7.4	99	ND	0.01	0.50

※1 福島県の発表(<http://www.pref.fukushima.lg.jp/site/portal/genan208.html>)

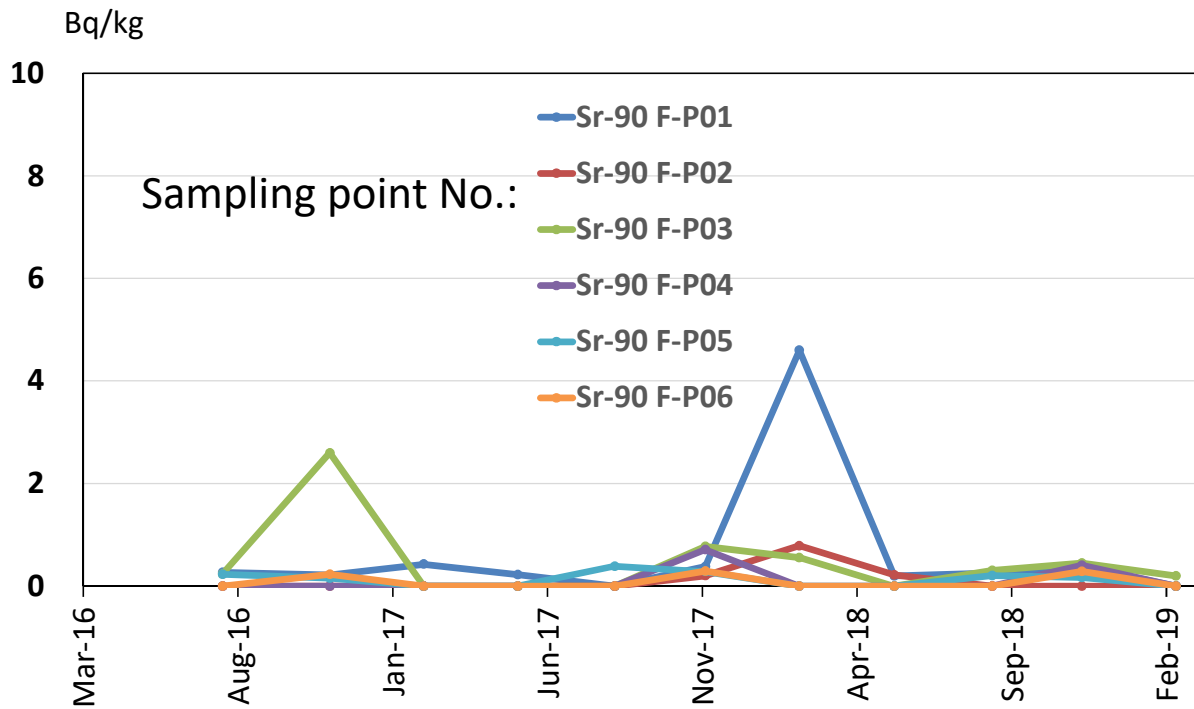
※1 Press release of Fukushima Prefecture (<http://www.pref.fukushima.lg.jp/site/portal/genan208.html>)

※2 NDの記載は、海水の放射性物質濃度の検出値が検出下限値を下回る場合。

※2 ND indicates the case that the detected radioactivity concentration in seawater was lower than the



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