

Environmental Monitoring results and analyses

---- The 4th Quarter of FY2019 ---
(From January 1 to March 31, 2020)

April 27, 2020

The Nuclear Regulation Authority, Japan

In accordance with the “Comprehensive Radiation Monitoring Plan”, the relevant organizations released the monitoring data in the period from January 1 to March 31, 2020 and analyzed them. This monitoring scheme aims to make a continuous measurement of air dose rates and the concentration of radioactive materials in the environment in Fukushima prefecture and other areas across Japan for overseeing their fluctuations after the TEPCO Fukushima Daiichi accident.

【Fukushima Prefecture】

- Air dose rates : in a decreasing trend ; no significant variation observed
- Concentrations of radioactive materials in the air : in a decreasing trend ; no significant variation observed
- Concentrations of radioactive materials in monthly deposition : in a decreasing trend ; no significant variation observed
- Concentrations of radioactive materials in seawater : in a decreasing trend ; small variation observed at some coastal areas after the typhoons in the middle of October, 2019
- Concentrations of radioactive materials in sea sediment : in a decreasing trend ; small variation observed at some coastal areas after the typhoons in the middle of October, 2019

【Other areas in Japan】

- Air dose rates : fluctuating only a little around the same level before the accident ; no significant variation observed
- Concentrations of radioactive materials in monthly deposition : in a decreasing trend ; no significant variation observed
- Concentrations of radioactive materials in sea area : in a decreasing trend ; no significant variation observed

- The above-mentioned “significant variation” means a “change different from the trend in the past”.
- Refer to the following URL for detailed information including attached materials:
<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 Document for basic data.

Environmental Monitoring results and analyses (detailed)

---- The 4th Quarter of FY2019 ---
(From January 1 to March 31, 2020)

April 27, 2020

The Nuclear Regulation Authority, Japan

In accordance with the “Comprehensive Radiation Monitoring Plan”, the relevant organizations released the monitoring data in the period from January 1 to March 31, 2020 and analyzed them. This monitoring scheme aims to make a continuous measurement of air dose rates and the concentrations of radioactive materials in the environment in Fukushima prefecture and other areas across Japan for overseeing their fluctuations after the TEPCO (Tokyo Electric Power Company) Fukushima Daiichi accident.

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

【 Terrestrial area 】

1 Air dose

The air doses were in a decreasing trend and no significant variation was observed in this quarter.

(i) Air dose rates

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

Measuring period : January 1 - March 31, 2020

Measuring points : Fukushima prefecture

Measuring method : Measurement using monitoring posts

Monitoring results : Refer to the following URL

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

(ii) Accumulated doses

Responsible organizations: NRA (The Nuclear Regulation Authority)

Measuring period : September 26 - December 26, 2019 (90 days)

Measuring points : beyond 20 km from Fukushima Daiichi NPS (14 points)

Measuring method : Measurement using glass badge dosimeters

Monitoring results : “ND”(not detected; less than 0.1mSv) - 4.3mSv/3months

(Refer to Attached Document pages 1)

Previous data : 0.1mSv - 4.8mSv/3months (December 26, 2018 - September 27, 2019)

2 Concentrations of radioactive materials in air

The concentrations of radioactive materials in air were in a decreasing trend

and no significant variation was observed in this quarter.

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

(i) Responsible organization : NRA

Sampling period : November 12, 2019 - February 14, 2020

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

Monitoring results : Activity concentrations of Cs-134 were from “ND”

(not detected) to 0.000091 Bq/m³ ;

Cs-137 were from ND to 0.0013 Bq/m³.

(Refer to Attached Document pages 2-5)

Previous data : Activity concentrations of Cs-134 were from ND to 0.00054 Bq/m³ ;

Cs-137 were from ND to 0.0083 Bq/m³. (April, 2018 - October, 2019)

(ii) Responsible organizations : NRA

Sampling period : November 12, 2019 - February 20, 2020

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

Monitoring results : Activity concentrations of Cs-134 were all ND ;

Cs-137 were from ND to 0.00022 Bq/m³.

(Refer to Attached Document pages 6-9)

Previous data : Activity concentrations of Cs-134 were all ND ;

Cs-137 were from ND to 0.00028 Bq/m³. (April, 2018 - October, 2019)

3 Concentrations of radioactive materials in monthly deposition

The concentrations of radioactive materials in monthly deposition were in a decreasing trend and no significant change was observed in this quarter.

(i) Responsible organization: Fukushima prefectural government

Sampling period: December 2019 - February 2020

Sampling points: Fukushima prefecture (Fukushima city)

Analytical method: Measurement after evaporating all monthly samples

Monitoring Results:

Activity concentrations of Cs-134 were from 0.34 to 1.0 MBq/km²/month ;

Cs-137 were from 5.7 to 15 MBq/km²/month.

(See Attached Document pages 10-12)

The trends of activity concentrations are shown in the graphic charts.

(See Attached Document page 13)

[Sea Area]

4 Concentrations of radioactive materials in seawater

The concentrations of radioactive materials in seawater were in a decreasing trend but small variations were observed at the coastal area after the typhoons in the middle of October, 2019.

① Seawater near the Fukushima Daiichi NPS

· Cs-134 and Cs-137 analyses

(All results in the monitoring period were under the level of the concentration limit
(^{Note 1}) specified by the law of Japan.)

(i) Responsible organization: TEPCO

Sampling period: November 27, 2019 - February 24, 2020

Analytical method: Coprecipitation method using ammonium phosphomolybdate,
sample amount: 20 L

Measurement time: 5,000 seconds

Monitoring result: Activity concentrations of Cs-134 were from 0.0025 to 0.057 Bq/L ;
Cs-137 were from 0.041 to 0.88 Bq/L.

(See Attached Document page 14)

The trends of activity concentrations are shown in the graphic charts.

(See Attached Document page 15)

(ii) Responsible organization: NRA

Sampling period: November 13, 2019 - January 17, 2020

Analytical method: Coprecipitation method using ammonium phosphomolybdate,
sample amount: 60 L

Measurement time: 60,000 - 240,000 seconds

Monitoring results: Activity concentrations of Cs-134 were from 0.0011 to 0.0048 Bq/L ;
Cs-137 were from 0.020 to 0.079 Bq/L.

(See Attached Document page 16)

The trends of activity concentrations are shown in the graphic charts.

(See Attached Document page 17)

(iii) Responsible organization: Fukushima prefectural government

Sampling period: October 2, 2019 - January 8, 2020

Analytical method: Coprecipitation method using ammonium phosphomolybdate,
sample amount: 30 L

Measurement time: 80,000 seconds

Monitoring results: Activity concentrations of Cs-134 were from ND to 0.012 Bq/L ;
Cs-137 were from 0.002 to 0.17 Bq/L.

(See Attached Document page 18)

The trends of activity concentrations are shown in the graphic charts.

(See Attached Document page 20)

· H-3 analysis

(All results in the monitoring period were under the level of the concentration limit (^{Note 1})
specified by the law in Japan.)

(i) Responsible organization: TEPCO

Sampling period: December 2, 2019 - February 3, 2020

Analytical method: Atmospheric distillation

Sampling amount: 500 mL

Measurement time: 5,400 seconds

Monitoring results: Activity concentrations of H-3 were from ND to 0.91 Bq/L.

(See Attached Document page 14)

(ii) Responsible organization: NRA

Sampling period: October 2, 2019 - January 17, 2020

Analytical method: Electrolytic enrichment technique

Sampling amount: 500 mL

Measurement time: 30,000 seconds

Monitoring results: Activity concentrations of H-3 were from 0.080 to 0.20 Bq/L.

(See Attached Document page 16)

(iii) Responsible organization: Fukushima prefectural government

Sampling period: October 2, 2019 - January 8, 2020

Analytical method: Reduced-pressure distillation

Sampling amount: 50 mL

Measurement time: 30,000 seconds

Monitoring results: Activity concentrations of H-3 from ND to 0.89 Bq/L.

(See Attached Document page 18)

· Sr-90 analysis

(All results in the monitoring period were under the level of the concentration limit
(^{Note 1}) specified by the law in Japan.)

(i) Responsible organization: TEPCO

Sampling period: December 2, 2019 - February 3, 2020

Analytical method: Y-90 milking method

Sampling amount: 40 L

Measurement time: 6,000 seconds

Monitoring results: Activity concentrations of Sr-90 were from 0.0012 to 0.0061 Bq/L.

(See Attached Document page 14)

The trends of activity concentrations are shown in the graphic charts.

(See Attached Document page 15)

(ii) Responsible organization: NRA

Sampling period: October 2, 2019 - January 17, 2020

Analytical method: Y-90 milking method

Sampling amount: 40 L

Measurement time: 6,000 seconds

Monitoring results: Activity concentrations of Sr-90 were from 0.00067 to 0.0014 Bq/L.

(See Attached Document page 16)

The trends of activity concentrations are shown in the graphic charts.

(See Attached Document page 17)

- (iii) Responsible organization: Fukushima prefectural government
Sampling period: October 2, 2019 - January 8, 2020
Analytical method: Y-90 milking method
Sampling amount: 50 L
Measurement time: 3,600 seconds
Monitoring results: Activity concentrations of Sr-90 were from 0.0005 to 0.034 Bq/L.
(See Attached Document page 18)

The trends of activity concentrations are shown in the graphic charts.

(See Attached Document page 20)

② Radioactivity concentration in seawater around Fukushima Daiichi NPS

• Cs-134 and Cs-137 Analysis

(i) Responsible organization: TEPCO

Sampling period: November 26, 2019 - February 25, 2020

Analysis method: Coprecipitation method using ammonium phosphomolybdate

Sample amount: 30 L

Measuring time: 5,000 - 80,000 seconds

Monitoring results: Activity concentrations of Cs-134 were from ND to 0.025 Bq/L ;
Cs-137 were from 0.0021 to 0.36 Bq/L.

(See Attached Document pages 23-26)

The trends of activity concentrations at the main points are shown in the graphic charts.

(See Attached Document page 27)

(ii) Responsible organization: Fukushima prefectural government

Sampling period: October 2, 2019 - January 8, 2020

Analysis method: Coprecipitation method using ammonium phosphomolybdate

Sample amount: 30 L

Measuring time: 80,000 seconds

Monitoring results: Activity concentrations of Cs-134 were all ND ;

Activity concentrations of Cs-137 were from 0.003 to 0.026 Bq/L.

(See Attached Document page 19)

The trends of concentrations at the main points are shown in the graphic charts.

(See Attached Document page 21)

• H-3 Analysis

(i) Responsible organization: TEPCO

Sampling period: December 3, 2019 - February 18, 2020

Analysis method: Atmospheric-pressure distillation

Sample amount: 50 mL

Measuring time: 42,000 seconds

Monitoring results: Activity concentrations of H-3 were from ND to 0.54 Bq/L.

(See Attached Document pages 23-25)

(ii) Responsible organization: Fukushima prefectural government

Sampling period: October 2, 2019 - January 8, 2020
Analysis method: Reduced-pressure distillation
Sample amount: 50 mL
Measuring time: 30,000 seconds
Monitoring results: Activity concentrations of H-3 were all ND.

(See Attached Document page 19)

• Sr-90 Analysis

(i) Responsible organization: TEPCO

Sampling period: December 3, 2019 - January 6, 2020
Analysis method: Y-90 milking method
Sample amount: 40 L
Measuring time: 6,000 seconds
Monitoring results: Activity concentrations of Sr-90 were from 0.00083 to 0.0016 Bq/L.

(See Attached Document pages 23-25)

(ii) Responsible organization: Fukushima prefectural government

Sampling period: October 2, 2019 - January 8, 2020
Analysis method: Y-90 milking method
Sample amount: 50 L
Measuring time: 3,600 seconds
Monitoring result: Activity concentrations of Sr-90 were from ND to 0.0009 Bq/L.

(See Attached Document page 19. Regarding sample points, see page 28)

The trends of activity concentrations are shown in the graphic charts.

(See Attached Document page 21)

5 Concentrations of radioactive materials in sea sediment

The concentrations of radioactive materials in sea sediment were in a decreasing trend but small variations were observed at the coastal area after the typhoons in the middle of October, 2019.

① Sea-sediment near the Fukushima Daiichi NPS

· Cs-134 and Cs-137 analyses

(i) Responsible organization: TEPCO

Sampling period: November 4, 2019 - February 7, 2020
Monitoring results: Activity concentrations of Cs-134 were from 6.4 to 54 Bq/kg ;
Cs-137 were from 120 to 880 Bq/kg.

(See Attached Document page 29)

The trends of activity concentrations are shown in the graphic charts.

(See Attached Document page 31)

(ii) Responsible organization: Fukushima prefectural government

Sampling date: November 21, 2019

Monitoring results: Activity concentrations of Cs-134 were from 12 to 23 Bq/kg ;
Cs-137 were from 190 to 330 Bq/kg.
Activity concentrations of Sr-90 were from ND to 0.35 Bq/kg.
(See Attached Document page 34)

The trends of activity concentrations are shown in the graphic charts.
(See Attached Document page 36)

② Sea-sediment around the Fukushima Daiichi NPS

· Cs-134 and Cs-137 analyses

(i) Responsible organization: TEPCO

Sampling period: November 5, 2019 - February 21, 2020

Monitoring results: Activity concentrations of Cs-134 were from ND to 210 Bq/kg ;
Cs-137 were from ND to 3,600 Bq/kg.

(See Attached Document pages 29-30)

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

(ii) Responsible organization: Fukushima prefectural government

Sampling date: November 21, 2019

Monitoring results: Activity concentrations of Cs-134 were from 5.0 to 11 Bq/kg ;
Cs-137 were from 76 to 170 Bq/kg.

Activity concentrations of Sr-90 were from 0.32 to 0.33 Bq/kg.

(See Attached Document page 35)

The trends of concentrations are shown in the graphic charts.
(See Attached Document page 36)

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

1. Air dose rates (Responsible organization: NRA)

**Nationwide air dose rates were on the similar levels as those before the accident.
No significant variation was observed in this quarter.**

• 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. Concentrations of radioactive materials in monthly deposition
(Monitoring results of radioactivity levels in the environment)
(Monitoring points: 46 prefectures (excluding Fukushima prefecture))

The concentrations of radioactive materials in monthly deposition were in a decreasing trend and no significant variation was observed in this quarter.

Sampling period: December, 2019 - February, 2020

Analytical method: Measurement after evaporating all monthly samples

Monitoring results: Activity concentrations of Cs-134 were from ND to 0.085

MBq/km²/month; Cs-137 were from ND to 0.83 MBq/km²/month.

(See Attached Document pages 10-12)

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

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) (Responsible 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. Concentrations of radioactive materials at the entrance of Tokyo Bay (Responsible organization: Ministry of Land, Infrastructure, Transport and Tourism)

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 The concentrations of radioactive materials in foodstuff:

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

- ② The concentrations 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 authorized discharge limit as a concentration level of each radioactive material in seawater:

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

The authorized discharge limit as a concentration level of each radioactive material in air :

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

福島第一原子力発電所の20km以遠の積算線量結果について(ガラスバッジによる測定)
Readings of Accumulated Dose at Reading points out of 20 km Zone of Fukushima Dai-ichi NPP (measured by glass badge dosimeter)

令和2年2月13日
原子力規制委員会

Feb 13, 2020
Nuclear Regulation Authority (NRA)

ガラスバッジによる値

Value measured by glass badge dosimeter

測定場所(福島第一原子力発電所からの距離) Reading point (length from Fukushima Dai-ichi NPP)	測定開始年月日 Measurement Start Date	9月の 回収年月日 Collection Date	9月末までの 積算日数 Accumulated Day (x)	9月末までの 積算数値 Reading of Accumulated Dose (a) (mSv)	回収年月日 Collection Date	10～12月の 積算日数 Accumulated Day (y)	10～12月の積算数値 Reading of Accumulated Dose (b) (mSv)	12月末までの 総積算日数 Accumulated Day (z = x + y)	12月末までの 総積算数値 Reading of Accumulated Dose (c = a + b) (mSv)
[31] 双葉郡浪江町津島(30km西北西) Futaba county Namie town Tsushima (30km West/North/West)	2011/3/23	2019/9/27	3109	235.0	2019/12/26	90	0.9	3199	235.9
[32] 双葉郡浪江町赤宇木(32km北西) Futaba county Namie town Akougi (32km North/West)	2011/3/23	2019/9/27	3109	564.0	2019/12/26	90	4.3	3199	568.3
[33] 相馬郡飯館村長泥(33km北西) Soma county litate village Nagadoro (33km North/West)	2011/3/23	2019/9/27	3109	297.6	2019/12/26	90	2.6	3199	300.2
[34] 双葉郡浪江町津島(30km西北西) Futaba county Namie town Tsushima (30km West/North/West)	2011/4/26	2019/9/27	3076	105.2	2019/12/26	90	0.8	3166	106.0
[38] いわき市四倉町中島(34km南南西) Iwaki city Yotsukura town Nakajima (34km South/South/West)	2011/3/31	2019/9/26	3101	10.2	2019/12/25	90	0.1	3191	10.3
[71] 双葉郡広野町下浅見川(23km南) Futaba county Hirono town Shimoasamigawa (23km South)	2011/5/1	2019/9/26	3071	8.8	2019/12/25	90	検出限界(0.1mSv)未満 Below the detection limit (0.1mSv)	3161	8.8
[79] 双葉郡浪江町下津島(29km西北西) Futaba county Namie town Shimotsushima (29km West/North/West)	2011/3/23	2019/9/27	3109	252.2	2019/12/26	90	1.2	3199	253.4
[7] 南相馬市鹿島区寺内(32km北) Minamisoma city Kashima ward Terauchi (32km North)	2011/3/23	2019/9/27	3109	13.5	2019/12/26	90	0.1	3199	13.6
[1] 福島市杉妻町(62km北西) Fukushima city Sugitsuma town (62km North/West)	2011/3/23	2019/9/27	3109	14.5	2019/12/26	90	0.1	3199	14.6
[39] 相馬市山上(41km北北西) Soma city Yamakami (41km North/North/West)	2011/4/1	2019/9/27	3101	9.4	2019/12/26	90	検出限界(0.1mSv)未満 Below the detection limit (0.1mSv)	3191	9.4
[84] いわき市三和町差塩(39km南西) Iwaki city Miwa town Saiso (39km South/West)	2016/3/28	2019/9/26	1277	0.9	2019/12/25	90	0.1	1367	1.0
[76] 双葉郡川内村上川内(22km西南西) Futaba county Kawauchi village Kamikawauchi (22km West/South/West)	2016/3/28	2019/9/26	1277	1.4	2019/12/25	90	0.1	1367	1.5
[80] 南相馬市原町区高見町(24km北) Minamisoma city Haramachi ward Takami town (24km North)	2011/4/3	2019/9/26	3098	9.2	2019/12/25	90	0.1	3188	9.3
[21] 双葉郡葛尾村上野川(31km西北西) Futaba county Katsurao village Kaminogawa (31km West/North/West)	2011/4/1	2019/9/26	3100	61.3	2019/12/25	90	0.2	3190	61.5

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2年3月31日 Mar 31, 2020
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	○	2020/2/12 12:17 ~ 2020/2/14 12:17	ND (0.000027)	0.000060 ± 0.0000090	ND	0.10	
		2020/1/14 12:08 ~ 2020/1/16 12:08	ND (0.000026)	ND (0.000031)	ND	0.08	
		2019/12/10 12:23 ~ 2019/12/12 12:23	ND (0.000029)	0.00015 ± 0.000011	ND	0.10	
		2019/11/12 12:31 ~ 2019/11/14 12:31	ND (0.000027)	0.00031 ± 0.000013	ND	0.08	
		2019/10/8 12:23 ~ 2019/10/10 12:23	ND (0.000030)	0.000042 ± 0.0000093	ND	0.09	
		2019/9/10 12:14 ~ 2019/9/12 12:14	ND (0.000027)	0.000059 ± 0.0000092	ND	0.09	
		2019/8/13 12:18 ~ 2019/8/15 12:18	ND (0.000026)	0.000047 ± 0.0000090	ND	0.10	
		2019/7/9 11:29 ~ 2019/7/11 11:29	ND (0.000025)	ND (0.000026)	ND	0.09	
		2019/6/11 12:13 ~ 2019/6/13 12:13	ND (0.000027)	0.000024 ± 0.0000080	ND	0.10	
		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 双葉郡浪江町大字嶺世橋 Futaba county Namie town oaza Kiyohashi	○	2020/2/12 11:57 ~ 2020/2/14 11:57	ND (0.000028)	0.000083 ± 0.000010	ND
2020/1/14 11:44 ~ 2020/1/16 11:44	ND (0.000028)			0.000033 ± 0.0000096	ND	0.07	
2019/12/10 11:58 ~ 2019/12/12 11:58	ND (0.000028)			0.00050 ± 0.000016	ND	0.09	
2019/11/12 12:09 ~ 2019/11/14 12:09	ND (0.000027)			0.00016 ± 0.000011	ND	0.08	
2019/10/8 12:00 ~ 2019/10/10 12:00	ND (0.000030)			0.00012 ± 0.000011	ND	0.09	
2019/9/10 11:51 ~ 2019/9/12 11:51	ND (0.000029)			0.00025 ± 0.000012	ND	0.08	
2019/8/13 11:56 ~ 2019/8/15 11:56	0.00054 ± 0.000017			0.0083 ± 0.000055	ND	0.08	
2019/7/9 11:01 ~ 2019/7/11 11:01	ND (0.000029)			0.000083 ± 0.0000095	ND	0.09	
2019/6/11 11:52 ~ 2019/6/13 11:52	ND (0.000027)			0.00010 ± 0.0000097	ND	0.08	
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	

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	○	2020/2/12 11:33 ~ 2020/2/14 11:33	ND (0.000027)	0.00023 ± 0.000012	ND	0.32	
		2020/1/14 11:19 ~ 2020/1/16 11:19	ND (0.000027)	0.00018 ± 0.000013	ND	0.29	
		2019/12/10 11:34 ~ 2019/12/12 11:34	0.000044 ± 0.0000097	0.00044 ± 0.000015	ND	0.35	
		2019/11/12 11:38 ~ 2019/11/14 11:38	ND (0.000025)	0.00026 ± 0.000013	ND	0.30	
		2019/10/8 11:16 ~ 2019/10/10 11:16	ND (0.000030)	0.00033 ± 0.000014	ND	0.32	
		2019/9/10 11:26 ~ 2019/9/12 11:26	ND (0.000026)	0.00046 ± 0.000015	ND	0.31	
		2019/8/13 11:32 ~ 2019/8/15 11:32	ND (0.000028)	0.000091 ± 0.000010	ND	0.31	
		2019/7/10 11:50 ~ 2019/7/12 11:50	ND (0.000027)	0.00020 ± 0.000012	ND	0.35	
		2019/6/11 11:26 ~ 2019/6/13 11:26	0.000048 ± 0.0000092	0.00047 ± 0.000015	ND	0.35	
		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 oza Shimonozami	○	2020/2/12 11:10 ~ 2020/2/14 11:10	0.000045 ± 0.000011	0.00064 ± 0.000018	ND	0.53	
		2020/1/14 10:58 ~ 2020/1/16 10:58	ND (0.000026)	0.00019 ± 0.000012	ND	0.43	
		2019/12/10 11:09 ~ 2019/12/12 11:09	0.000045 ± 0.0000091	0.00071 ± 0.000018	ND	0.55	
		2019/11/12 11:13 ~ 2019/11/14 11:13	ND (0.000028)	0.00024 ± 0.000012	ND	0.43	
		2019/10/8 10:51 ~ 2019/10/10 10:51	0.000041 ± 0.0000090	0.00055 ± 0.000016	ND	0.49	
		2019/9/10 11:01 ~ 2019/9/12 11:01	ND (0.000047)	0.00023 ± 0.000013	ND	0.48	
		2019/8/13 11:08 ~ 2019/8/15 11:08	ND (0.000028)	0.00012 ± 0.000011	ND	0.47	
		2019/7/10 11:16 ~ 2019/7/12 11:16	ND (0.000030)	0.00021 ± 0.000013	ND	0.47	
		2019/6/11 10:59 ~ 2019/6/13 10:59	0.000055 ± 0.000010	0.00072 ± 0.000018	ND	0.50	
		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	

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	○	2020/2/12 10:33 ~ 2020/2/14 10:33	ND (0.000031)	0.00023 ± 0.000013	ND	0.24	
		2020/1/14 10:25 ~ 2020/1/16 10:25	ND (0.000030)	0.000049 ± 0.0000093	ND	0.21	
		2019/12/10 10:36 ~ 2019/12/12 10:36	0.000091 ± 0.000011	0.0013 ± 0.000023	ND	0.25	
		2019/11/12 10:37 ~ 2019/11/14 10:37	ND (0.000030)	0.000084 ± 0.000010	ND	0.21	
		2019/10/8 10:20 ~ 2019/10/10 10:20	0.000028 ± 0.0000090	0.00041 ± 0.000015	ND	0.24	
		2019/9/10 10:33 ~ 2019/9/12 10:33	ND (0.000032)	0.00016 ± 0.000011	ND	0.24	
		2019/8/13 10:35 ~ 2019/8/15 10:35	ND (0.000028)	0.000071 ± 0.000010	ND	0.23	
		2019/7/9 10:20 ~ 2019/7/11 10:20	ND (0.000029)	0.000079 ± 0.0000097	ND	0.26	
		2019/6/11 10:15 ~ 2019/6/13 10:15	ND (0.000030)	0.00030 ± 0.000013	ND	0.24	
		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	○	2020/2/12 10:09 ~ 2020/2/14 10:09	ND (0.000028)	0.00010 ± 0.000010	ND	0.12	
		2020/1/14 10:01 ~ 2020/1/16 10:01	ND (0.000030)	0.000031 ± 0.0000084	ND	0.10	
		2019/12/10 10:13 ~ 2019/12/12 10:13	ND (0.000030)	0.000040 ± 0.0000092	ND	0.12	
		2019/11/12 10:08 ~ 2019/11/14 10:08	ND (0.000029)	ND (0.000027)	ND	0.10	
		2019/10/8 9:59 ~ 2019/10/10 9:59	ND (0.000026)	ND (0.000028)	ND	0.11	
		2019/9/10 10:09 ~ 2019/9/12 10:09	ND (0.000031)	0.000031 ± 0.0000089	ND	0.10	
		2019/8/13 10:10 ~ 2019/8/15 10:10	ND (0.000028)	0.000033 ± 0.0000089	ND	0.10	
		2019/7/9 9:56 ~ 2019/7/11 9:56	ND (0.000029)	0.000041 ± 0.0000095	ND	0.10	
		2019/6/11 9:49 ~ 2019/6/13 9:49	ND (0.000031)	0.000074 ± 0.0000098	ND	0.10	
		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	

* 「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

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2年3月31日 Mar 31, 2020
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	○	2020/2/12 14:53 ~ 2020/2/14 14:53	ND (0.000027)	ND (0.000025)	ND	0.07	
		2020/1/14 14:11 ~ 2020/1/16 14:11	ND (0.000027)	ND (0.000029)	ND	0.07	
		2019/12/10 14:30 ~ 2019/12/12 14:30	ND (0.000027)	ND (0.000030)	ND	0.07	
		2019/11/12 14:17 ~ 2019/11/14 14:17	ND (0.000028)	0.000039 ± 0.0000088	ND	0.07	
		2019/10/15 10:47 ~ 2019/10/17 10:47	ND (0.000027)	ND (0.000027)	ND	0.07	
		2019/9/17 14:27 ~ 2019/9/19 14:27	ND (0.000028)	ND (0.000024)	ND	0.07	
		2019/8/20 14:25 ~ 2019/8/22 14:25	ND (0.000027)	0.000052 ± 0.0000086	ND	0.07	
		2019/7/17 14:20 ~ 2019/7/19 14:20	ND (0.000026)	ND (0.000028)	ND	0.07	
		2019/6/18 14:07 ~ 2019/6/20 14:07	ND (0.000027)	0.000028 ± 0.0000091	ND	0.07	
		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	○	2020/2/12 10:45 ~ 2020/2/14 10:45	ND (0.000027)	ND (0.000028)	ND
2020/1/14 10:50 ~ 2020/1/16 10:50	ND (0.000027)			ND (0.000029)	ND	0.15	
2019/12/10 10:55 ~ 2019/12/12 10:55	ND (0.000027)			ND (0.000030)	ND	0.15	
2019/11/12 10:50 ~ 2019/11/14 10:50	ND (0.000027)			ND (0.000025)	ND	0.15	
2019/10/15 14:38 ~ 2019/10/17 14:38	ND (0.000027)			ND (0.000026)	ND	0.15	
2019/9/17 10:56 ~ 2019/9/19 10:56	ND (0.000027)			0.000029 ± 0.0000086	ND	0.16	
2019/8/20 10:56 ~ 2019/8/22 10:56	ND (0.000027)			ND (0.000025)	ND	0.15	
2019/7/17 10:52 ~ 2019/7/19 10:52	ND (0.000025)			ND (0.000025)	ND	0.15	
2019/6/18 11:03 ~ 2019/6/20 11:03	ND (0.000028)			ND (0.000026)	ND	0.15	
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	

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 (検出限界値 Minimum Detectable Activity (Bq/m ³))	Cs-137 (検出限界値 Minimum Detectable Activity (Bq/m ³))	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	○	2020/2/18 10:30 ~ 2020/2/20 10:30	ND (0.000028)	0.000075 ± 0.0000098	ND	0.83	
		2020/1/21 10:36 ~ 2020/1/23 10:36	ND (0.000028)	0.000046 ± 0.000010	ND	0.83	
		2019/12/17 10:40 ~ 2019/12/19 10:40	ND (0.000027)	ND (0.000030)	ND	0.82	
		2019/11/19 10:44 ~ 2019/11/21 10:44	ND (0.000026)	0.00022 ± 0.000012	ND	0.83	
		2019/10/23 10:50 ~ 2019/10/25 10:50	ND (0.000026)	0.00013 ± 0.000011	ND	0.80	
		2019/9/18 10:25 ~ 2019/9/20 10:25	ND (0.000026)	0.000098 ± 0.000010	ND	0.86	
		2019/8/26 10:30 ~ 2019/8/28 10:30	ND (0.000027)	0.000087 ± 0.0000095	ND	0.86	
		2019/7/23 10:37 ~ 2019/7/25 10:37	ND (0.000027)	0.000097 ± 0.000010	ND	0.85	
		2019/6/17 10:30 ~ 2019/6/19 10:30	ND (0.000027)	ND (0.000026)	ND	0.85	
		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	○	2020/2/18 13:47 ~ 2020/2/20 13:47	ND (0.000029)	ND (0.000028)	ND
2020/1/21 13:36 ~ 2020/1/23 13:36	ND (0.000027)			ND (0.000030)	ND	0.10	
2019/12/17 13:47 ~ 2019/12/19 13:47	ND (0.000026)			ND (0.000030)	ND	0.09	
2019/11/19 13:41 ~ 2019/11/21 13:41	ND (0.000027)			ND (0.000026)	ND	0.10	
2019/10/23 13:45 ~ 2019/10/25 13:45	ND (0.000028)			ND (0.000028)	ND	0.10	
2019/9/18 13:45 ~ 2019/9/20 13:45	ND (0.000026)			ND (0.000027)	ND	0.11	
2019/8/26 13:52 ~ 2019/8/28 13:52	ND (0.000026)			ND (0.000025)	ND	0.09	
2019/7/23 13:47 ~ 2019/7/25 13:47	ND (0.000026)			ND (0.000026)	ND	0.11	
2019/6/17 13:33 ~ 2019/6/19 13:33	ND (0.000025)			ND (0.000025)	ND	0.11	
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の放射性物質濃度測定結果

Readings of dust sampling by Fukushima Prefecture

令和2年3月31日 Mar 31, 2020
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	○	2020/2/6 10:01 ~ 2020/2/7 10:01	ND (0.000035)	0.000040 ± 0.0000091	ND	測定せず Not measured	
		2020/1/6 16:47 ~ 2020/1/7 16:47	ND (0.000031)	0.000025 ± 0.0000084	ND	測定せず Not measured	
		2019/12/9 10:27 ~ 2019/12/10 10:27	ND (0.000033)	0.000045 ± 0.0000073	ND	測定せず Not measured	
		2019/11/11 14:23 ~ 2019/11/12 14:23	ND (0.000032)	0.000048 ± 0.0000074	ND	測定せず Not measured	
		2019/10/7 11:16 ~ 2019/10/8 11:16	ND (0.000037)	0.000046 ± 0.0000090	ND	測定せず Not measured	
		2019/9/19 15:32 ~ 2019/9/20 15:32	ND (0.000031)	0.000056 ± 0.0000081	ND	測定せず Not measured	
		2019/8/5 11:35 ~ 2019/8/6 11:35	ND (0.000034)	ND (0.000029)	ND	測定せず Not measured	
		2019/7/1 16:21 ~ 2019/7/2 16:21	ND (0.000036)	0.00028 ± 0.000014	ND	測定せず Not measured	
		2019/6/4 9:00 ~ 2019/6/5 9:00	ND (0.000033)	0.000035 ± 0.0000082	ND	測定せず Not measured	
		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			

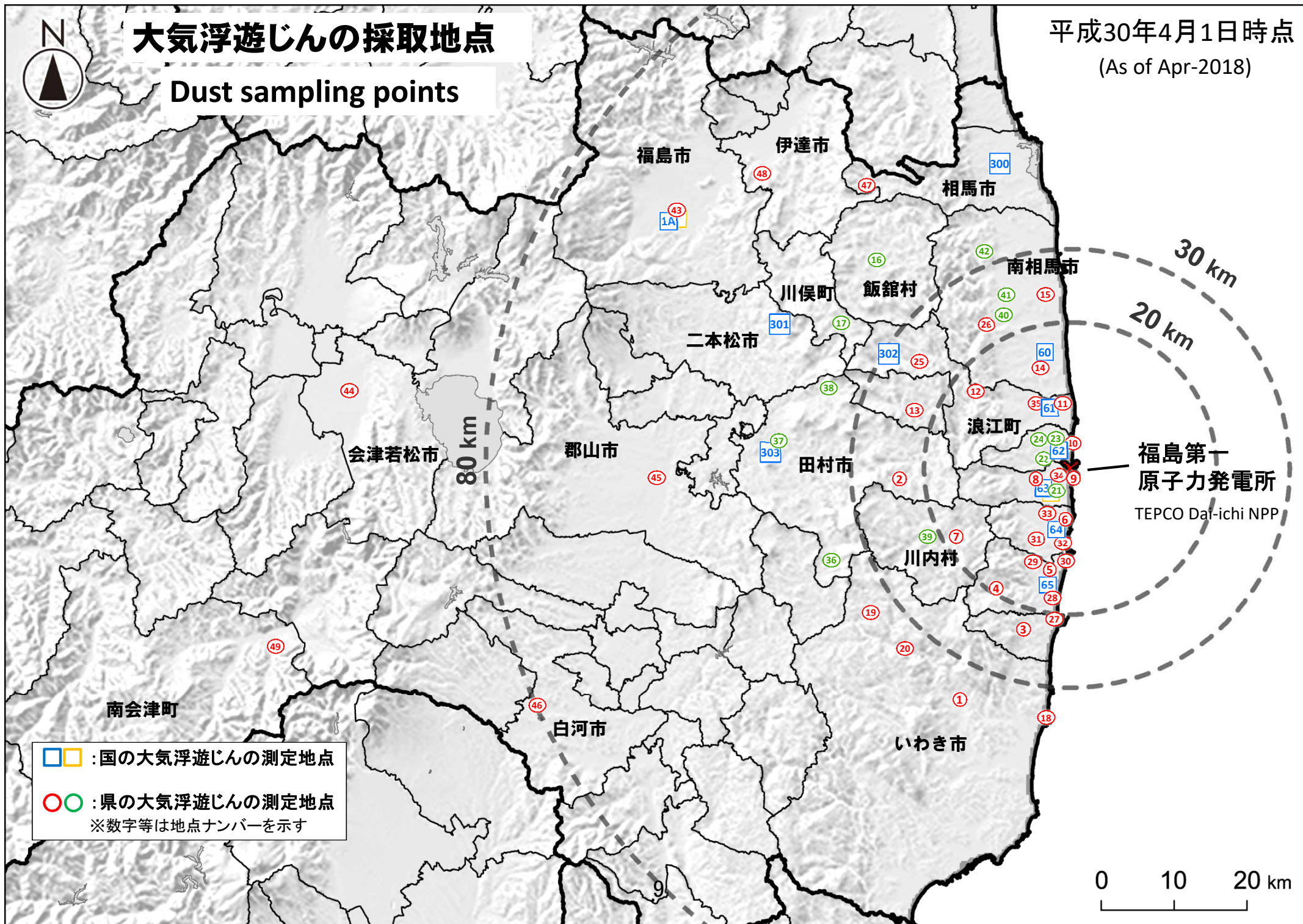
* 「ND」は、測定値が検出限界値を下回った場合で、検出限界値を()書きにて記載。
* "ND" indicates the measured value was lower than each Minimum Detectable Activity shown in parenthesis.

[Abbreviation]
NRA : Nuclear Regulation Authority

平成30年4月1日時点
(As of Apr-2018)

大気浮遊じんの採取地点

Dust sampling points



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

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)]
 (R1年12月分 [Dec. 2019])

2020.1.31 [Jan 31, 2020], 2020.2.13追加 [Additional date on Feb 13, 2020]

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[< 0.049]	不検出[< 0.048]		
2	青森県(青森市) [Aomori] [Aomori]	不検出[< 0.19]	不検出[< 0.063]	不検出[< 0.052]		
3	岩手県(盛岡市) [Iwate] [Morioka]	不検出[< 0.51]	不検出[< 0.051]	0.096		
4	宮城県(仙台市) [Miyagi] [Sendai]	不検出[< 0.21]	0.054	0.53		
5	秋田県(秋田市) [Akita] [Akita]	不検出[< 0.41]	不検出[< 0.064]	不検出[< 0.055]		
6	山形県(山形市) [Yamagata] [Yamagata]	不検出[< 0.17]	不検出[< 0.062]	0.12		
7	福島県(福島市) [Fukushima] [Fukushima]	不検出[< 0.30]	1.0	15		
8	茨城県(ひたちなか市) [Ibaraki] [Hitachinaka]	不検出[< 0.49]	不検出[< 0.11]	0.57		
9	栃木県(宇都宮市) [Tochigi] [Utsunomiya]	不検出[< 0.39]	不検出[< 0.067]	0.10		
10	群馬県(前橋市) [Gunma] [Maebashi]	不検出[< 0.083]	0.085	0.63		
11	埼玉県(比企郡) [Saitama] [Hiki]	不検出[< 0.16]	不検出[< 0.082]	0.17		
12	千葉県(市原市) [Chiba] [Ichihara]	不検出[< 0.21]	不検出[< 0.058]	0.29		
13	東京都(新宿区) [Tokyo] [Shinjuku]	不検出[< 0.086]	不検出[< 0.036]	0.41		
14	神奈川県(茅ヶ崎市) [Kanagawa] [Chigasaki]	不検出[< 0.14]	不検出[< 0.047]	0.12		
15	新潟県(新潟市) [Niigata] [Niigata]	不検出[< 0.21]	不検出[< 0.053]	不検出[< 0.038]		
16	富山県(射水市) [Toyama] [Imizu]	不検出[< 0.13]	不検出[< 0.036]	不検出[< 0.048]		
17	石川県(金沢市) [Ishikawa] [Kanazawa]	不検出[< 0.53]	不検出[< 0.045]	不検出[< 0.034]		
18	福井県(福井市) [Fukui] [Fukui]	不検出[< 0.33]	不検出[< 0.063]	不検出[< 0.047]		
19	山梨県(甲府市) [Yamanashi] [Kofu]	不検出[< 0.47]	不検出[< 0.079]	不検出[< 0.071]		
20	長野県(長野市) [Nagano] [Nagano]	不検出[< 0.061]	不検出[< 0.049]	不検出[< 0.045]		
21	岐阜県(各務原市) [Gifu] [Kakamigahara]	不検出[< 0.12]	不検出[< 0.062]	不検出[< 0.053]		
22	静岡県(牧之原市) [Shizuoka] [Makinohara]	不検出[< 0.14]	不検出[< 0.052]	不検出[< 0.045]		
23	愛知県(名古屋市) [Aichi] [Nagoya]	不検出[< 0.16]	不検出[< 0.047]	不検出[< 0.035]		
24	三重県(四日市市) [Mie] [Yokkaichi]	不検出[< 0.17]	不検出[< 0.048]	不検出[< 0.039]		
25	滋賀県(大津市) [Shiga] [Otsu]	不検出[< 0.43]	不検出[< 0.067]	不検出[< 0.054]		
26	京都府(京都市) [Kyoto] [Kyoto]	不検出[< 0.13]	不検出[< 0.041]	不検出[< 0.034]		
27	大阪府(大阪市) [Osaka] [Osaka]	不検出[< 0.045]	不検出[< 0.040]	不検出[< 0.037]		
28	兵庫県(加古川市) [Hyogo] [Kakogawa]	不検出[< 0.061]	不検出[< 0.046]	不検出[< 0.040]		
29	奈良県(桜井市) [Nara] [Sakurai]	不検出[< 0.45]	不検出[< 0.060]	不検出[< 0.054]		
30	和歌山県(和歌山市) [Wakayama] [Wakayama]	不検出[< 0.27]	不検出[< 0.067]	不検出[< 0.092]		
31	鳥取県(東伯郡) [Tottori] [Touhaku]	不検出[< 0.12]	不検出[< 0.060]	不検出[< 0.050]		
32	島根県(松江市) [Shimane] [Matsue]	不検出[< 0.41]	不検出[< 0.040]	不検出[< 0.030]		
33	岡山県(岡山市) [Okayama] [Okayama]	不検出[< 0.082]	不検出[< 0.036]	不検出[< 0.037]		
34	広島県(広島市) [Hiroshima] [Hiroshima]	不検出[< 0.19]	不検出[< 0.061]	不検出[< 0.051]		
35	山口県(山口市) [Yamaguchi] [Yamaguchi]	不検出[< 0.28]	不検出[< 0.070]	不検出[< 0.066]		
36	徳島県(徳島市) [Tokushima] [Tokushima]	不検出[< 0.24]	不検出[< 0.061]	不検出[< 0.053]		
37	香川県(高松市) [Kagawa] [Takamatsu]	不検出[< 0.094]	不検出[< 0.069]	不検出[< 0.064]		
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[< 0.096]	不検出[< 0.048]	不検出[< 0.038]		
40	福岡県(太宰府市) [Fukuoka] [Dazaifu]	不検出[< 0.21]	不検出[< 0.054]	不検出[< 0.044]		
41	佐賀県(佐賀市) [Saga] [Saga]	不検出[< 0.23]	不検出[< 0.056]	不検出[< 0.043]		
42	長崎県(大村市) [Nagasaki] [Omura]	不検出[< 0.22]	不検出[< 0.050]	不検出[< 0.043]		
43	熊本県(宇土市) [Kumamoto] [Uto]	不検出[< 0.077]	不検出[< 0.038]	不検出[< 0.032]		
44	大分県(大分市) [Oita] [Oita]	不検出[< 0.34]	不検出[< 0.052]	不検出[< 0.044]		
45	宮崎県(宮崎市) [Miyazaki] [Miyazaki]	不検出[< 0.23]	不検出[< 0.058]	不検出[< 0.050]		
46	鹿児島県(鹿児島市) [Kagoshima] [Kagoshima]	不検出[< 2.5]	不検出[< 0.049]	不検出[< 0.040]	測定中であつたが到着 [Measurements arrived though it had delayed.]	
47	沖縄県(うるま市) [Okinawa] [Uruma]	不検出[< 0.093]	不検出[< 0.032]	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)]
 (R2年1月分 [Jan, 2020])

2020.2.28 [Feb 28, 2020]

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[< 0.066]	不検出[< 0.048]		
2	青森県(青森市) [Aomori] [Aomori]	不検出[< 0.20]	不検出[< 0.057]	不検出[< 0.048]		
3	岩手県(盛岡市) [Iwate] [Morioka]	不検出[< 0.36]	不検出[< 0.053]	0.071		
4	宮城県(仙台市) [Miyagi] [Sendai]	不検出[< 0.23]	不検出[< 0.055]	0.35		
5	秋田県(秋田市) [Akita] [Akita]	不検出[< 0.17]	不検出[< 0.061]	不検出[< 0.059]		
6	山形県(山形市) [Yamagata] [Yamagata]	不検出[< 0.14]	不検出[< 0.063]	0.10		
7	福島県(福島市) [Fukushima] [Fukushima]	不検出[< 0.15]	0.34	5.7		
8	茨城県(ひたちなか市) [Ibaraki] [Hitachinaka]	不検出[< 0.48]	不検出[< 0.12]	0.53		
9	栃木県(宇都宮市) [Tochigi] [Utsunomiya]	不検出[< 0.34]	不検出[< 0.063]	0.081		
10	群馬県(前橋市) [Gunma] [Maebashi]	不検出[< 0.099]	不検出[< 0.071]	0.18		
11	埼玉県(比企郡) [Saitama] [Hiki]	不検出[< 0.14]	不検出[< 0.081]	0.090		
12	千葉県(市原市) [Chiba] [Ichihara]	不検出[< 0.17]	不検出[< 0.054]	0.21		
13	東京都(新宿区) [Tokyo] [Shinjuku]	不検出[< 0.077]	不検出[< 0.036]	0.17		
14	神奈川県(茅ヶ崎市) [Kanagawa] [Chigasaki]	不検出[< 0.13]	不検出[< 0.040]	0.059		
15	新潟県(新潟市) [Niigata] [Niigata]	不検出[< 0.21]	不検出[< 0.051]	不検出[< 0.042]		
16	富山県(射水市) [Toyama] [Imizu]	不検出[< 0.11]	不検出[< 0.032]	不検出[< 0.033]		
17	石川県(金沢市) [Ishikawa] [Kanazawa]	不検出[< 0.45]	不検出[< 0.043]	不検出[< 0.033]		
18	福井県(福井市) [Fukui] [Fukui]	不検出[< 0.27]	不検出[< 0.056]	不検出[< 0.045]		
19	山梨県(甲府市) [Yamanashi] [Kofu]	不検出[< 0.41]	不検出[< 0.076]	不検出[< 0.070]		
20	長野県(長野市) [Nagano] [Nagano]	不検出[< 0.049]	不検出[< 0.047]	不検出[< 0.041]		
21	岐阜県(各務原市) [Gifu] [Kakamigahara]	不検出[< 0.13]	不検出[< 0.065]	不検出[< 0.057]		
22	静岡県(牧之原市) [Shizuoka] [Makinohara]	不検出[< 0.13]	不検出[< 0.052]	不検出[< 0.044]		
23	愛知県(名古屋市) [Aichi] [Nagoya]	不検出[< 0.18]	不検出[< 0.047]	不検出[< 0.038]		
24	三重県(四日市市) [Mie] [Yokkaichi]	不検出[< 0.091]	不検出[< 0.047]	不検出[< 0.042]		
25	滋賀県(大津市) [Shiga] [Otsu]	不検出[< 0.23]	不検出[< 0.062]	不検出[< 0.051]		
26	京都府(京都市) [Kyoto] [Kyoto]	不検出[< 0.18]	不検出[< 0.041]	不検出[< 0.035]		
27	大阪府(大阪市) [Osaka] [Osaka]	不検出[< 0.068]	不検出[< 0.040]	不検出[< 0.039]		
28	兵庫県(加古川市) [Hyogo] [Kakogawa]	不検出[< 0.055]	不検出[< 0.046]	不検出[< 0.039]		
29	奈良県(桜井市) [Nara] [Sakurai]	不検出[< 0.46]	不検出[< 0.060]	不検出[< 0.053]		
30	和歌山県(和歌山市) [Wakayama] [Wakayama]	不検出[< 0.24]	不検出[< 0.069]	不検出[< 0.062]		
31	鳥取県(東伯郡) [Tottori] [Touhaku]	不検出[< 0.11]	不検出[< 0.060]	不検出[< 0.048]		
32	島根県(松江市) [Shimane] [Matsue]	不検出[< 0.18]	不検出[< 0.040]	不検出[< 0.030]		
33	岡山県(岡山市) [Okayama] [Okayama]	不検出[< 0.086]	不検出[< 0.041]	不検出[< 0.035]		
34	広島県(広島市) [Hiroshima] [Hiroshima]	不検出[< 0.20]	不検出[< 0.060]	不検出[< 0.051]		
35	山口県(山口市) [Yamaguchi] [Yamaguchi]	不検出[< 0.61]	不検出[< 0.065]	不検出[< 0.065]		
36	徳島県(徳島市) [Tokushima] [Tokushima]	不検出[< 0.16]	不検出[< 0.062]	不検出[< 0.056]		
37	香川県(高松市) [Kagawa] [Takamatsu]	不検出[< 0.14]	不検出[< 0.074]	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[< 0.17]	不検出[< 0.052]	不検出[< 0.041]		
40	福岡県(太宰府市) [Fukuoka] [Dazaifu]	不検出[< 0.16]	不検出[< 0.056]	不検出[< 0.041]		
41	佐賀県(佐賀市) [Saga] [Saga]	不検出[< 0.12]	不検出[< 0.060]	不検出[< 0.044]		
42	長崎県(大村市) [Nagasaki] [Omura]	不検出[< 0.29]	不検出[< 0.050]	不検出[< 0.039]		
43	熊本県(宇土市) [Kumamoto] [Uto]	不検出[< 0.094]	不検出[< 0.040]	不検出[< 0.031]		
44	大分県(大分市) [Oita] [Oita]	不検出[< 0.34]	不検出[< 0.048]	不検出[< 0.043]		
45	宮崎県(宮崎市) [Miyazaki] [Miyazaki]	不検出[< 0.18]	不検出[< 0.065]	不検出[< 0.052]		
46	鹿児島県(鹿児島市) [Kagoshima] [Kagoshima]	不検出[< 0.31]	不検出[< 0.049]	不検出[< 0.042]		
47	沖縄県(うるま市) [Okinawa] [Uruma]	不検出[< 0.045]	不検出[< 0.037]	不検出[< 0.032]		

不検出 : Not detected activity

- 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]
- 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]
- 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)]
 (R2年2月分 [Feb. 2020])

2020.3.31 [Mar 31, 2020]

MBq/km²・月 [MBq/km²・month]

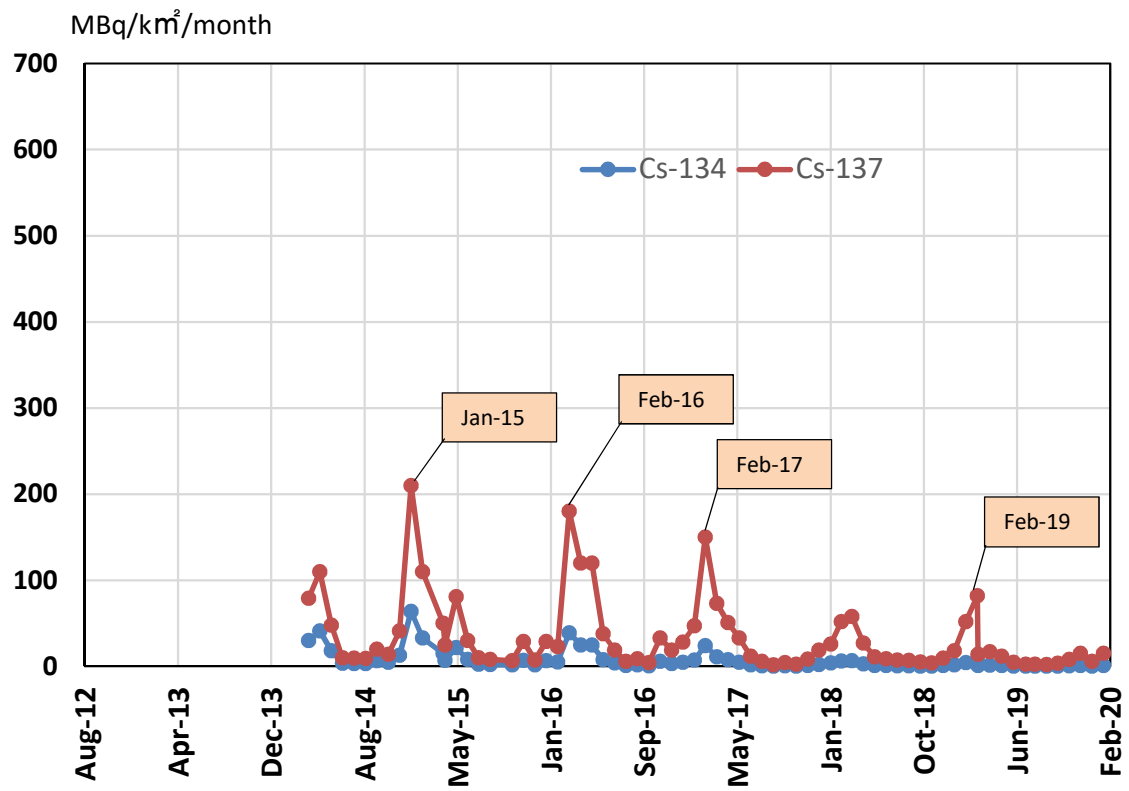
	都道府県名 [Prefecture] [City]	月間降下物 [Fallout]				備考 [Remarks]
		放射性ヨウ素131 [I-131]	放射性セシウム134 [Cs-134]	放射性セシウム137 [Cs-137]	その他検出された核種 [Other detected nuclides]	
1	北海道(札幌市) [Hokkaido] [Sapporo]	不検出[< 0.19]	不検出[< 0.051]	不検出[< 0.042]		
2	青森県(青森市) [Aomori] [Aomori]	不検出[< 0.13]	不検出[< 0.056]	不検出[< 0.052]		
3	岩手県(盛岡市) [Iwate] [Morioka]	不検出[< 0.30]	不検出[< 0.056]	0.099		
4	宮城県(仙台市) [Miyagi] [Sendai]	不検出[< 0.13]	不検出[< 0.053]	0.24		
5	秋田県(秋田市) [Akita] [Akita]	不検出[< 0.26]	不検出[< 0.057]	不検出[< 0.051]		
6	山形県(山形市) [Yamagata] [Yamagata]	不検出[< 0.11]	不検出[< 0.055]	0.062		
7	福島県(福島市) [Fukushima] [Fukushima]	不検出[< 0.20]	0.93	15		
8	茨城県(ひたちなか市) [Ibaraki] [Hitachinaka]	不検出[< 0.40]	不検出[< 0.10]	0.83		
9	栃木県(宇都宮市) [Tochigi] [Utsunomiya]	不検出[< 0.31]	不検出[< 0.064]	0.19		
10	群馬県(前橋市) [Gunma] [Maebashi]	不検出[< 0.10]	不検出[< 0.074]	0.69		
11	埼玉県(比企郡) [Saitama] [Hiki]	不検出[< 0.17]	不検出[< 0.081]	0.18		
12	千葉県(市原市) [Chiba] [Ichihara]	不検出[< 0.15]	不検出[< 0.054]	0.36		
13	東京都(新宿区) [Tokyo] [Shinjuku]	不検出[< 0.046]	不検出[< 0.040]	0.43		
14	神奈川県(茅ヶ崎市) [Kanagawa] [Chigasaki]	不検出[< 0.084]	不検出[< 0.043]	0.28		
15	新潟県(新潟市) [Niigata] [Niigata]	不検出[< 0.16]	不検出[< 0.051]	不検出[< 0.040]		
16	富山県(射水市) [Toyama] [Imizu]	不検出[< 0.11]	不検出[< 0.036]	不検出[< 0.034]		
17	石川県(金沢市) [Ishikawa] [Kanazawa]	不検出[< 0.29]	不検出[< 0.045]	不検出[< 0.035]		
18	福井県(福井市) [Fukui] [Fukui]	不検出[< 0.31]	不検出[< 0.064]	不検出[< 0.047]		
19	山梨県(甲府市) [Yamanashi] [Kofu]	不検出[< 0.33]	不検出[< 0.079]	不検出[< 0.077]		
20	長野県(長野市) [Nagano] [Nagano]	不検出[< 0.052]	不検出[< 0.048]	不検出[< 0.045]		
21	岐阜県(各務原市) [Gifu] [Kakamigahara]	不検出[< 0.090]	不検出[< 0.060]	不検出[< 0.050]		
22	静岡県(牧之原市) [Shizuoka] [Makinohara]	不検出[< 0.16]	不検出[< 0.053]	不検出[< 0.043]		
23	愛知県(名古屋市) [Aichi] [Nagoya]	不検出[< 0.094]	不検出[< 0.047]	不検出[< 0.035]		
24	三重県(四日市市) [Mie] [Yokkaichi]	不検出[< 0.12]	不検出[< 0.047]	不検出[< 0.038]		
25	滋賀県(大津市) [Shiga] [Otsu]	不検出[< 0.21]	不検出[< 0.062]	不検出[< 0.055]		
26	京都府(京都市) [Kyoto] [Kyoto]	不検出[< 0.15]	不検出[< 0.041]	不検出[< 0.035]		
27	大阪府(大阪市) [Osaka] [Osaka]	不検出[< 0.048]	不検出[< 0.037]	不検出[< 0.038]		
28	兵庫県(加古川市) [Hyogo] [Kakogawa]	不検出[< 0.086]	不検出[< 0.043]	不検出[< 0.040]		
29	奈良県(桜井市) [Nara] [Sakurai]	不検出[< 0.36]	不検出[< 0.055]	不検出[< 0.054]		
30	和歌山県(和歌山市) [Wakayama] [Wakayama]	不検出[< 0.25]	不検出[< 0.070]	不検出[< 0.065]		
31	鳥取県(東伯郡) [Tottori] [Touhaku]	不検出[< 0.11]	不検出[< 0.072]	不検出[< 0.064]		
32	島根県(松江市) [Shimane] [Matsue]	不検出[< 0.18]	不検出[< 0.040]	不検出[< 0.030]		
33	岡山県(岡山市) [Okayama] [Okayama]	不検出[< 0.055]	不検出[< 0.038]	不検出[< 0.032]		
34	広島県(広島市) [Hiroshima] [Hiroshima]	不検出[< 0.14]	不検出[< 0.062]	不検出[< 0.050]		
35	山口県(山口市) [Yamaguchi] [Yamaguchi]	不検出[< 0.38]	不検出[< 0.067]	不検出[< 0.065]		
36	徳島県(徳島市) [Tokushima] [Tokushima]	不検出[< 0.16]	不検出[< 0.066]	不検出[< 0.055]		
37	香川県(高松市) [Kagawa] [Takamatsu]	不検出[< 0.095]	不検出[< 0.074]	不検出[< 0.061]		
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[< 0.11]	不検出[< 0.040]	不検出[< 0.039]		
40	福岡県(太宰府市) [Fukuoka] [Dazaifu]	不検出[< 0.20]	不検出[< 0.052]	不検出[< 0.045]		
41	佐賀県(佐賀市) [Saga] [Saga]	不検出[< 0.11]	不検出[< 0.060]	不検出[< 0.042]		
42	長崎県(大村市) [Nagasaki] [Omura]	不検出[< 0.32]	不検出[< 0.056]	不検出[< 0.047]		
43	熊本県(宇土市) [Kumamoto] [Uto]	不検出[< 0.11]	不検出[< 0.040]	不検出[< 0.035]		
44	大分県(大分市) [Oita] [Oita]	不検出[< 0.30]	不検出[< 0.053]	不検出[< 0.045]		
45	宮崎県(宮崎市) [Miyazaki] [Miyazaki]	不検出[< 0.18]	不検出[< 0.057]	不検出[< 0.052]		
46	鹿児島県(鹿児島市) [Kagoshima] [Kagoshima]	不検出[< 0.50]	不検出[< 0.070]	不検出[< 0.061]		
47	沖縄県(うるま市) [Okinawa] [Uruma]	不検出[< 0.058]	不検出[< 0.037]	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 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, 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株の発表をもとに作成^{※1})
 試料採取日: 令和2年2月24日

Radioactivity concentration in the seawater near Fukushima Dai-ichi NPP
 (Based on the press release of TEPCO^{※1})
 Sampling Date: Feb 24, 2020

令和2年3月31日
 Mar 31, 2020

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	2019/11/11 9:45	0.023	0.33						O
	2019/11/18 7:45	0.020	0.30						O
	2019/11/27 8:10	0.014	0.20						O
	2019/12/2 8:00	0.012	0.17	ND(0.87)	ND(2.4)	10	0.0044		O
	2019/12/9 7:45	0.015	0.23						O
	2019/12/16 7:47	0.0033	0.049						O
	2019/12/23 8:40	0.0069	0.10						O
	2019/12/30 7:45	0.011	0.18						O
	2020/1/6 7:50	0.016	0.25	ND(0.88)	ND(1.9)	13	0.0029		O
	2020/1/13 7:30	0.057	0.88						O
	2020/1/22 7:40	0.051	0.79						O
	2020/1/27 7:30	0.023	0.36						O
	2020/2/3 7:50	0.017	0.27	ND(0.83)	ND(2.5)	12	0.0012		O
	2020/2/10 7:40	0.016	0.26						O
2020/2/19 8:00	0.0063	0.11						O	
2020/2/24 7:40	0.0091	0.13						O	

T-2	2019/11/11 8:45	0.0056	0.093						O
	2019/11/18 7:05	0.0053	0.080						O
	2019/11/27 6:50	0.011	0.17						O
	2019/12/2 7:10	0.0071	0.10	ND(0.87)	ND(2.0)	14	0.0061		O
	2019/12/9 7:05	0.0036	0.060						O
	2019/12/16 7:10	0.0025	0.041						O
	2019/12/23 7:05	0.0067	0.10						O
	2019/12/30 7:00	0.0068	0.12						O
	2020/1/6 6:55	0.0059	0.094	ND(0.88)	ND(1.9)	12	0.0046		O
	2020/1/13 7:00	0.0081	0.13						O
	2020/1/22 6:50	0.013	0.21						O
	2020/1/27 7:00	0.012	0.20						O
	2020/2/3 6:50	0.046	0.76	0.91	ND(2.1)	11	0.0029		O
	2020/2/10 7:00	0.055	0.85						O
2020/2/19 6:50	0.015	0.25						O	
2020/2/24 7:00	0.013	0.19						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株の発表(<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

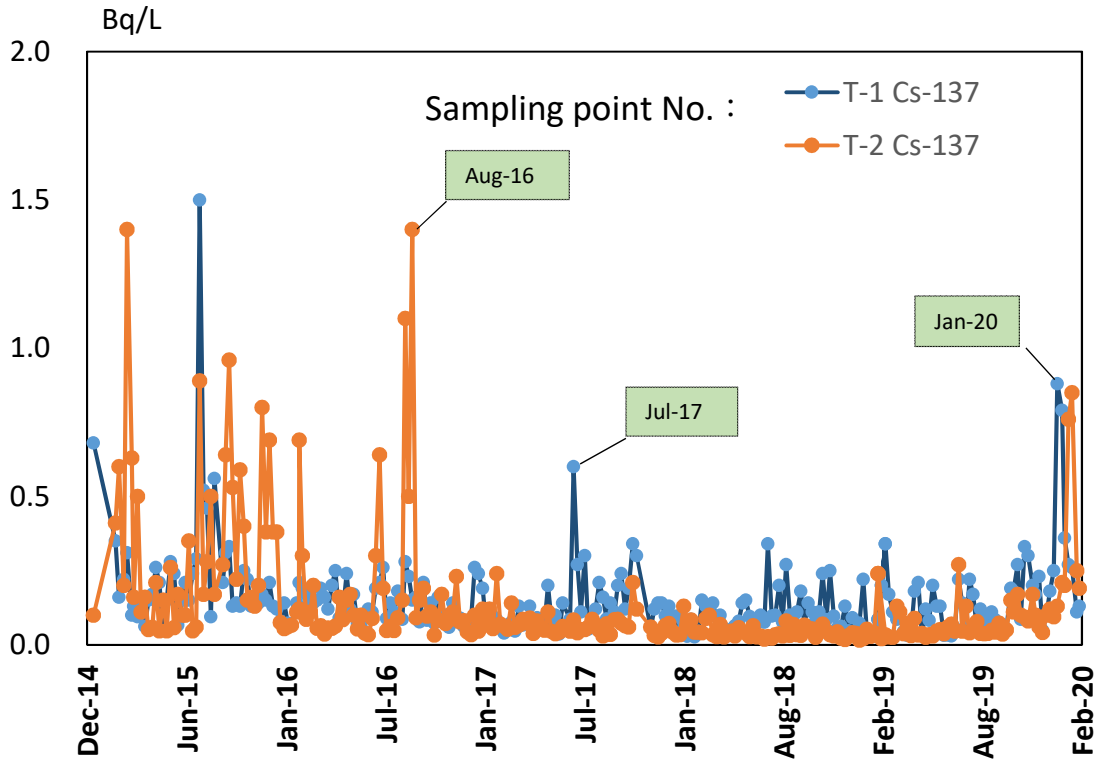
reference

福島第一原発事故以前の海水のモニタリング結果:

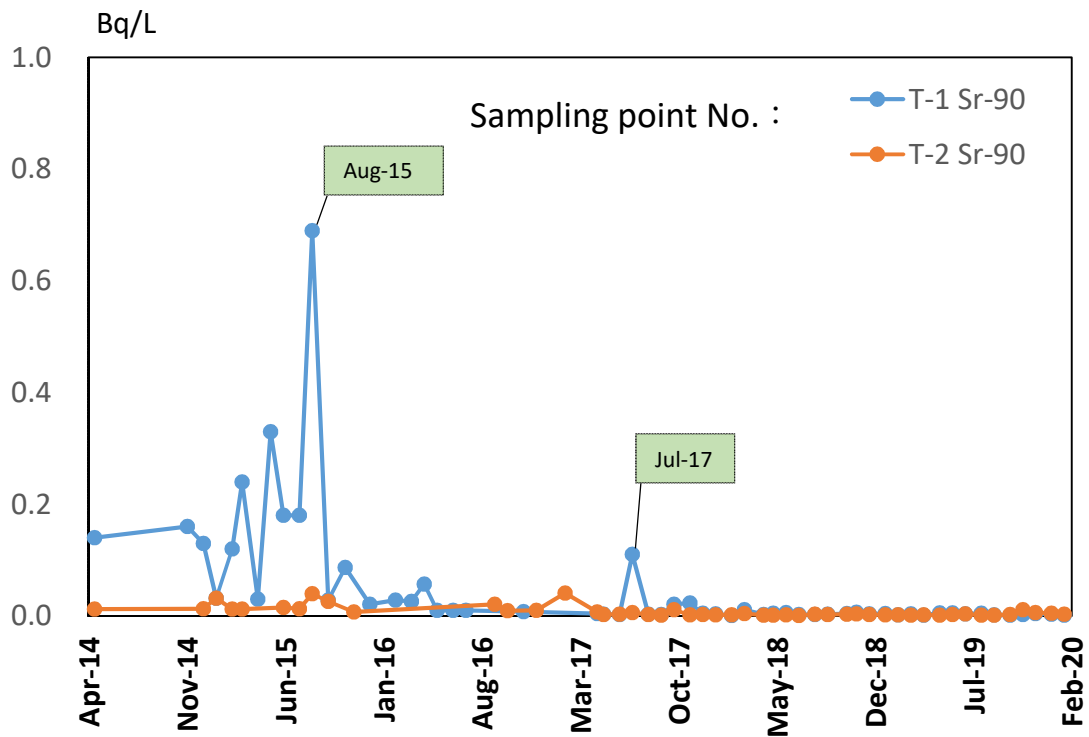
(<https://radioactivity.nsr.go.jp/ja/contents/9000/8483/24/Beforedisaster.pdf>)

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: 令和元年12月11日、12日、令和2年1月16日、17日
(Sampling Date: Dec 11, 12, 2019, Jan 16, 17, 2020)

令和2年3月13日
Mar 13, 2020

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

		Cs-134	Cs-137	Sr-90	H-3	
採取日 Sampling Date	採取深度 Sampling Depth (m)	放射性物質濃度 (検出下限値) (Bq/L) (※ ND : 不検出) Radioactivity concentration (Lower detection limit) (Bq/L) (※ ND : Not Detectable)				
M-101	2019/2/14	0.5	0.0015	0.020	0.0011	0.14
	2019/3/9	0.5	0.0013	0.020	0.0011	0.086
	2019/4/18	0.5	0.011	0.14	0.0052	0.20
	2019/5/17	0.5	ND(0.00030)	0.0040	0.00097	0.064
	2019/6/14	0.5	0.0038	0.046	0.0010	0.075
	2019/7/11	0.5	0.0011	0.013	0.0012	0.16
	2019/8/9	0.5	0.0017	0.021	0.0014	0.12
	2019/9/5	0.5	0.0036	0.048	0.0030	0.21
	2019/10/2	0.5	ND(0.00029)	0.0041	0.00071	0.097
	2019/11/13	0.5	0.0029	0.044	0.0014	0.10
	2019/12/11	0.5	0.0023	0.036	0.00070	0.15
2020/1/16	0.5	0.0048	0.079	0.0012	0.094	
M-102	2019/2/15	0.5	0.00076	0.014	0.0013	0.095
	2019/3/7	0.5	0.0034	0.041	0.0020	0.085
	2019/4/17	0.5	0.0073	0.090	0.0036	0.15
	2019/5/16	0.5	0.00037	0.0050	0.0011	0.13
	2019/6/13	0.5	0.0011	0.016	0.0025	0.10
	2019/7/12	0.5	0.00057	0.011	0.0011	0.12
	2019/8/8	0.5	0.00045	0.0092	0.0011	0.087
	2019/9/6	0.5	0.00050	0.0073	0.00083	0.14
	2019/10/3	0.5	0.0014	0.017	0.00090	0.13
	2019/11/14	0.5	0.0041	0.064	0.00099	0.11
	2019/12/12	0.5	0.0019	0.029	0.00083	0.11
2020/1/17	0.5	0.0031	0.050	0.00087	0.098	
M-103	2019/2/14	0.5	0.00057	0.0070	0.00098	0.057
	2019/3/9	0.5	0.00081	0.011	0.0012	ND(0.059)
	2019/4/18	0.5	0.00078	0.014	0.0014	0.12
	2019/5/17	0.5	ND(0.00031)	0.0038	0.00099	0.074
	2019/6/14	0.5	0.00087	0.013	0.0013	0.085
	2019/7/11	0.5	0.00087	0.014	0.0011	0.17
	2019/8/9	0.5	0.00081	0.012	0.0013	0.13
	2019/9/5	0.5	ND(0.00026)	0.0039	0.00078	0.075
	2019/10/2	0.5	ND(0.00027)	0.0043	0.00080	0.097
	2019/11/13	0.5	0.0021	0.035	0.0013	0.20
	2019/12/11	0.5	0.0015	0.022	0.00089	0.13
2020/1/16	0.5	0.0014	0.026	0.00067	0.085	
M-104	2019/2/15	0.5	0.00056	0.0088	0.0011	0.066
	2019/3/7	0.5	0.0010	0.014	0.0010	0.090
	2019/4/17	0.5	0.0018	0.023	0.0018	0.077
	2019/5/16	0.5	0.00033	0.0049	0.00081	0.077
	2019/6/13	0.5	0.00042	0.0057	0.00086	0.069
	2019/7/12	0.5	0.00080	0.0099	0.0010	0.14
	2019/8/8	0.5	ND(0.00029)	0.0049	0.00095	0.089
	2019/9/6	0.5	0.00060	0.0086	0.0010	0.090
	2019/10/3	0.5	0.00043	0.0081	0.00083	0.086
	2019/11/14	0.5	0.0013	0.025	0.00077	0.080
	2019/12/12	0.5	0.0011	0.020	0.0010	0.11
2020/1/17	0.5	0.0012	0.023	0.00083	0.12	

※ 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。

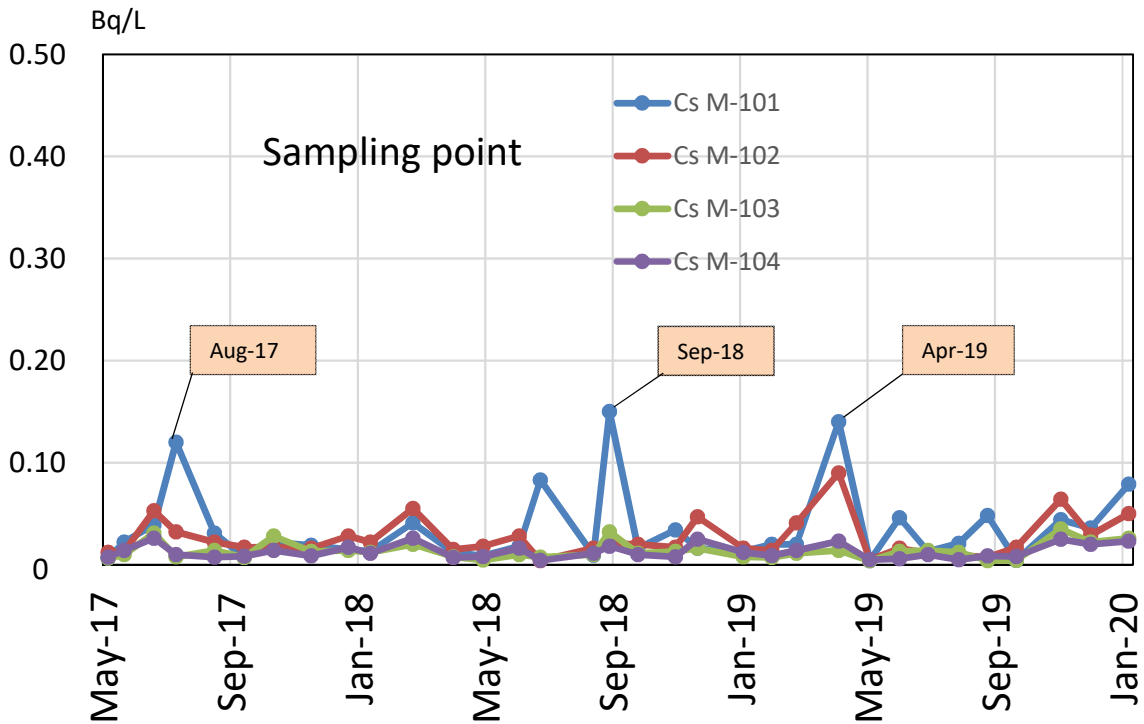
※ ND indicates the case that the detected radioactivity concentration in seawater was lower than the detection limits.

*原子力規制委員会の委託事業により、(公財)海洋生物環境研究所が採取した試料を用いて、(公財)海洋生物環境研究所[Cs,H-3]、環境総合テクノス[Sr]が分析。

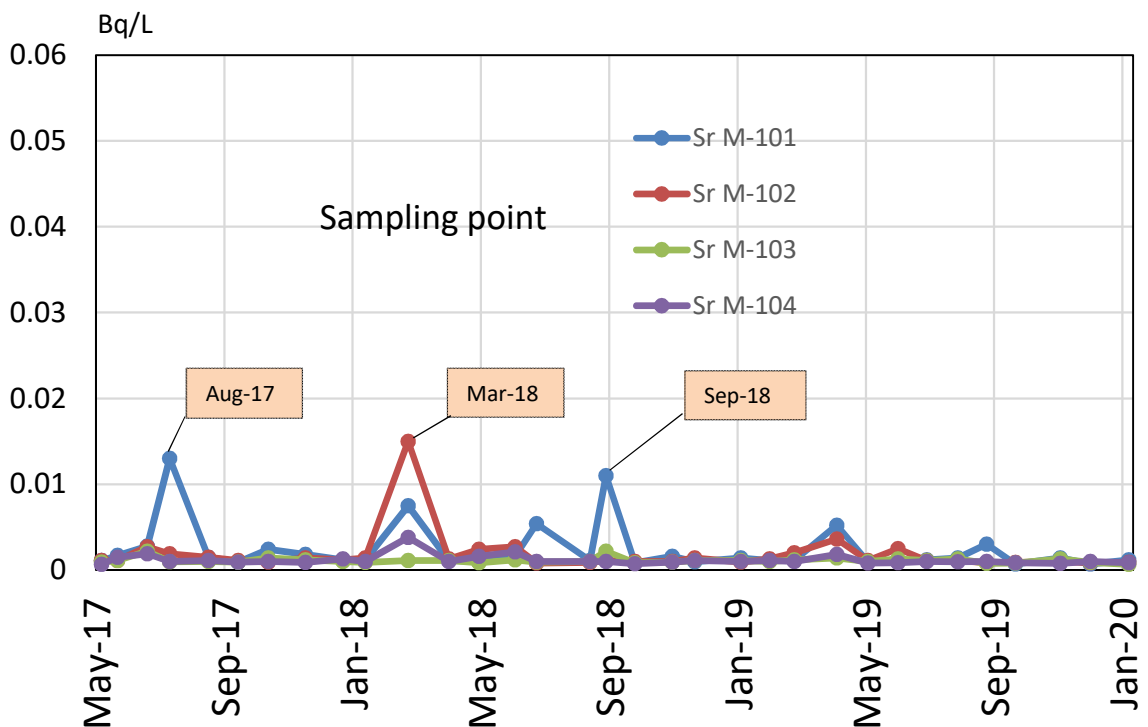
* Analysis by Marine Ecology Research Institute (MERI)[Cs,H-3] and KANSO Co.,Ltd.[Sr] of the samples collected by MERI at the request of Nuclear Regulation Authority (NRA).

* 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	2018/12/11	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
	2019/4/17	ND	0.019	ND	0.03	0.0008	ND	0.000015
	2019/5/10	ND	0.016	ND	0.02	0.0007	ND	ND
	2019/6/4	ND	0.010	ND	0.03	0.0005	ND	ND
	2019/7/2	ND	0.024	ND	0.03	0.0017	ND	ND
	2019/8/1	ND	0.017	ND	0.02	0.0011	ND	ND
	2019/9/20	ND	0.005	ND	0.02	0.0011	ND	ND
	2019/10/2	ND	0.011	ND	0.02	0.0008	ND	ND
	2019/11/21	ND	0.021	ND	0.02	0.0009	ND	ND
	2019/12/11	ND	0.052	ND	0.02	0.0008	ND	ND
2020/1/8	ND	0.055	ND	0.04	0.0006	ND	0.000010	
北放水口付近 F-P02	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
	2019/4/17	ND	0.012	ND	0.03	0.0009	ND	ND
	2019/5/10	ND	0.005	ND	0.02	0.0009	ND	ND
	2019/6/4	0.002	0.030	ND	0.02	0.0012	ND	ND
	2019/7/2	0.011	0.16	ND	0.03	0.011	ND	ND
	2019/8/1	ND	0.013	ND	0.02	0.0011	ND	ND
	2019/9/20	0.002	0.025	ND	0.02	0.0013	ND	ND
	2019/10/2	0.004	0.056	ND	0.03	0.0013	ND	ND
	2019/11/21	ND	0.036	ND	0.03	0.0010	ND	ND
	2019/12/11	0.003	0.040	ND	0.02	0.0009	ND	0.000009
2020/1/8	0.005	0.055	ND	0.05	0.0012	ND	ND	
取水口付近 F-P03	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
	2019/4/17	ND	0.032	ND	0.03	0.0012	ND	0.000009
	2019/5/10	ND	0.006	ND	0.02	0.0006	ND	ND
	2019/6/4	0.006	0.066	ND	0.03	0.0026	ND	0.000009
	2019/7/2	0.028	0.38	0.51	0.02	0.013	ND	ND
	2019/8/1	0.014	0.18	0.51	0.02	0.0047	ND	ND
	2019/9/20	0.023	0.33	0.66	0.02	0.010	ND	ND
	2019/10/2	0.008	0.15	0.83	0.03	0.034	ND	ND
	2019/11/21	0.003	0.048	ND	0.02	0.0014	ND	ND
	2019/12/11	0.009	0.14	0.82	0.02	0.0045	ND	ND
2020/1/8	0.012	0.17	0.89	0.05	0.0051	ND	ND	
第一(発)沖合 2km F-P04	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
	2019/4/17	ND	0.006	ND	0.02	0.0006	ND	0.000006
	2019/5/10	ND	0.005	ND	0.02	0.0008	ND	ND
	2019/6/4	ND	0.006	ND	0.02	ND	ND	ND
	2019/7/2	ND	0.024	ND	0.02	0.0019	ND	ND
	2019/8/1	ND	0.009	ND	0.02	0.0005	ND	ND
	2019/9/20	ND	0.004	ND	0.02	0.0010	ND	ND
	2019/10/2	ND	0.002	ND	0.03	0.0014	ND	ND
	2019/11/21	ND	0.012	ND	0.02	0.0006	ND	ND
	2019/12/11	ND	0.008	ND	0.03	0.0008	ND	ND
2020/1/8	ND	0.023	ND	0.03	0.0005	ND	0.000008	

※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)	2018/12/11	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
	2019/4/17	ND	0.012	ND	0.02	0.0005	ND	0.000010
	2019/5/10	ND	0.006	ND	0.02	0.0010	ND	ND
	2019/6/4	ND	0.007	ND	0.02	0.0008	ND	ND
	2019/7/2	ND	0.005	ND	ND	0.0088	ND	ND
	2019/8/1	ND	0.008	0.41	0.02	0.0007	ND	ND
	2019/9/20	ND	0.003	ND	0.02	0.0009	ND	ND
	2019/10/2	ND	0.004	ND	0.03	0.0008	ND	ND
	2019/11/21	ND	0.015	ND	0.03	0.0009	ND	ND
	2019/12/11	ND	0.013	ND	0.02	0.0007	ND	ND
2020/1/8	ND	0.021	ND	0.03	0.0005	ND	0.000008	

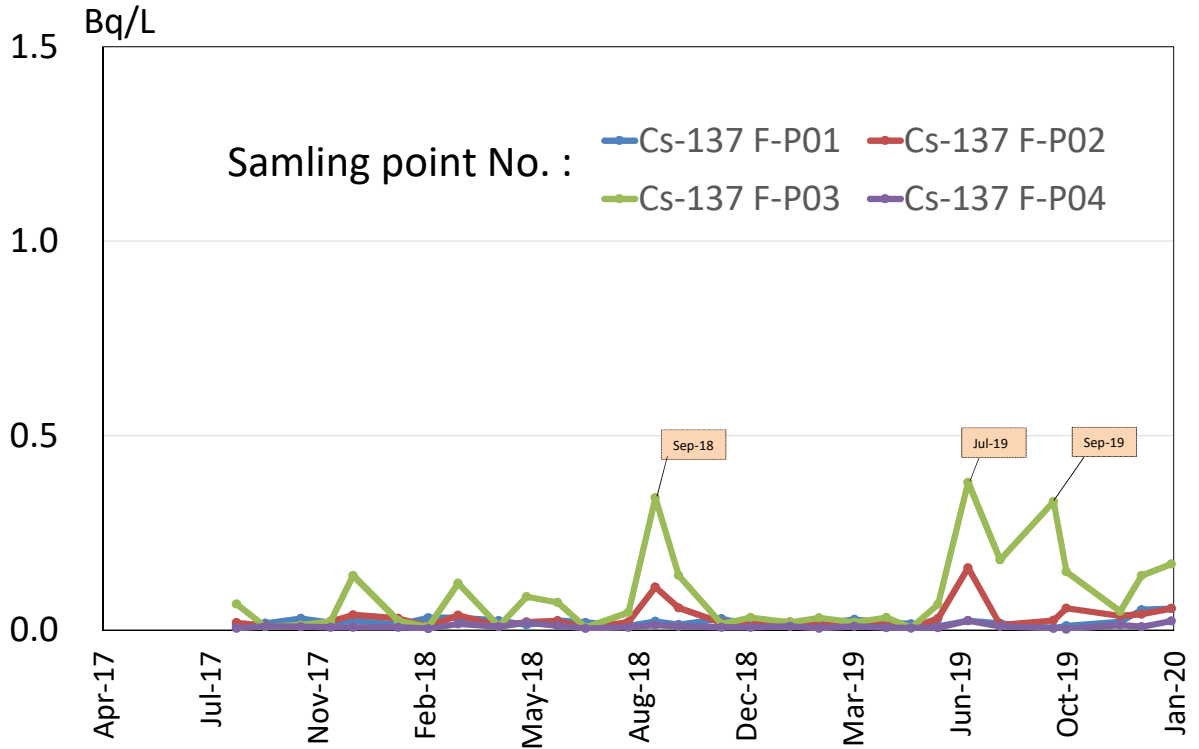
前田川沖2km (双葉町) (F-P06)	2018/12/11	ND	0.007	ND	0.02	0.0009	ND	ND
	2019/1/17	ND	0.008	ND	0.03	0.0009	ND	0.000005
	2019/2/13	ND	0.008	ND	0.03	0.0010	ND	0.000005
	2019/3/18	ND	0.011	ND	0.03	0.0009	ND	0.000009
	2019/4/17	ND	0.007	ND	0.03	0.0006	ND	0.000008
	2019/5/10	ND	0.005	ND	0.03	0.0007	ND	ND
	2019/6/4	ND	0.012	ND	0.02	0.0008	ND	ND
	2019/7/2	ND	0.006	ND	ND	0.0008	ND	ND
	2019/8/1	ND	0.006	ND	0.02	0.0010	ND	ND
	2019/9/20	ND	0.004	ND	0.02	0.0007	ND	ND
	2019/10/2	ND	0.003	ND	0.03	0.0007	ND	ND
	2019/11/21	ND	0.016	ND	0.03	ND	ND	ND
	2019/12/11	ND	0.010	ND	0.02	0.0009	ND	ND
2020/1/8	ND	0.026	ND	0.04	0.0006	ND	ND	

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

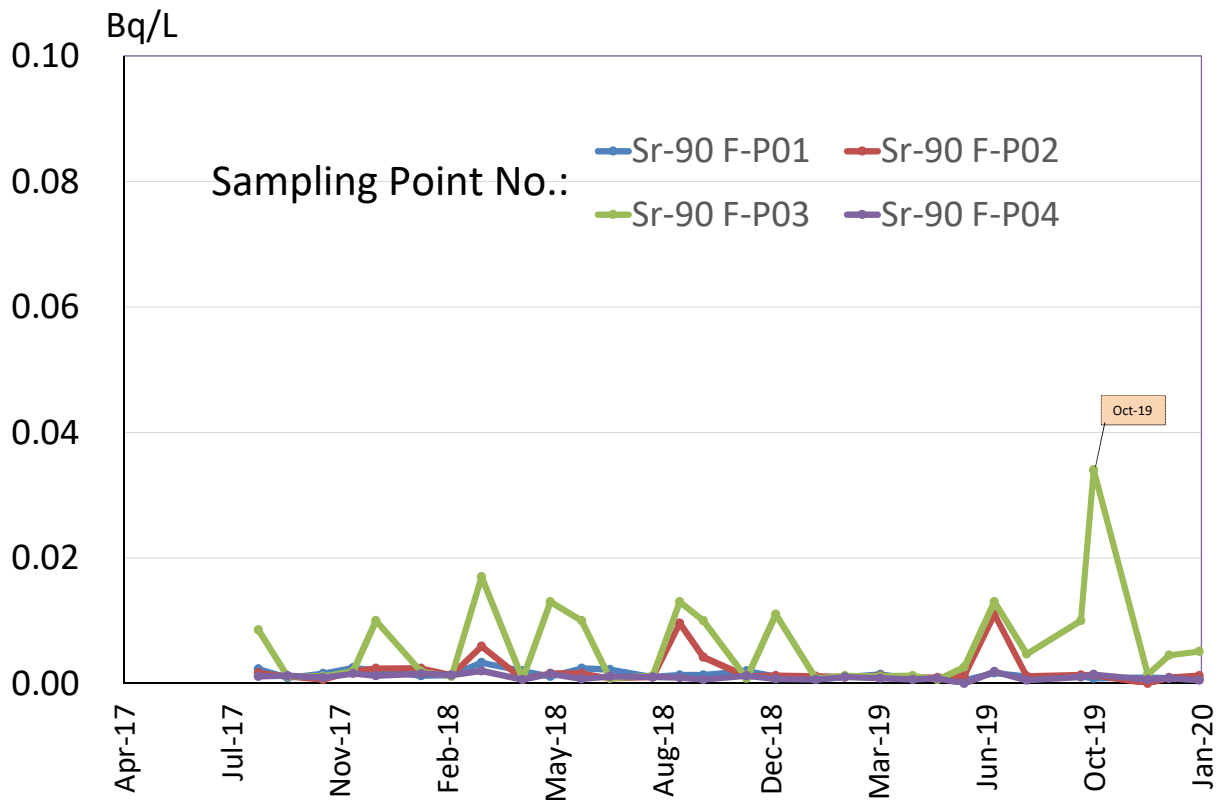
※1 Press release of Fukushima Prefecture (<http://www.pref.fukushima.lg.jp/site/portal/genan208.html>)

※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。

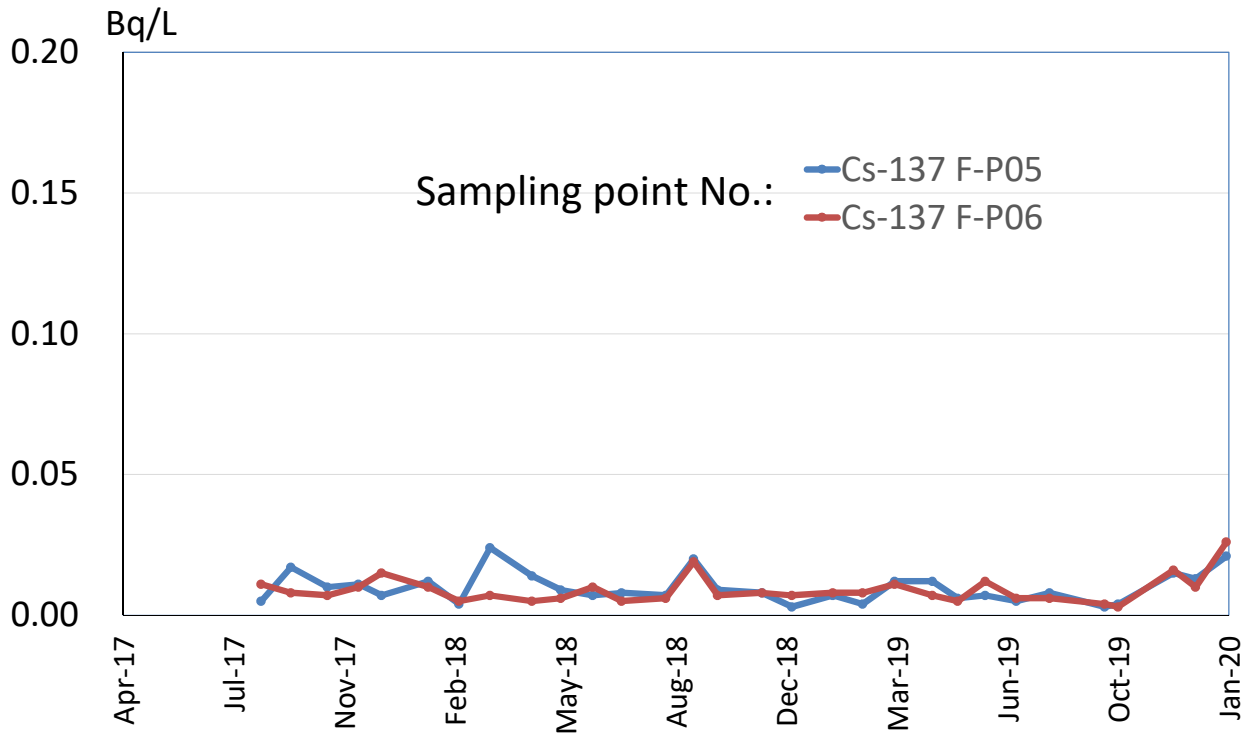
※2 ND indicates the case that the detected radioactivity concentration in seawater was lower than the detection



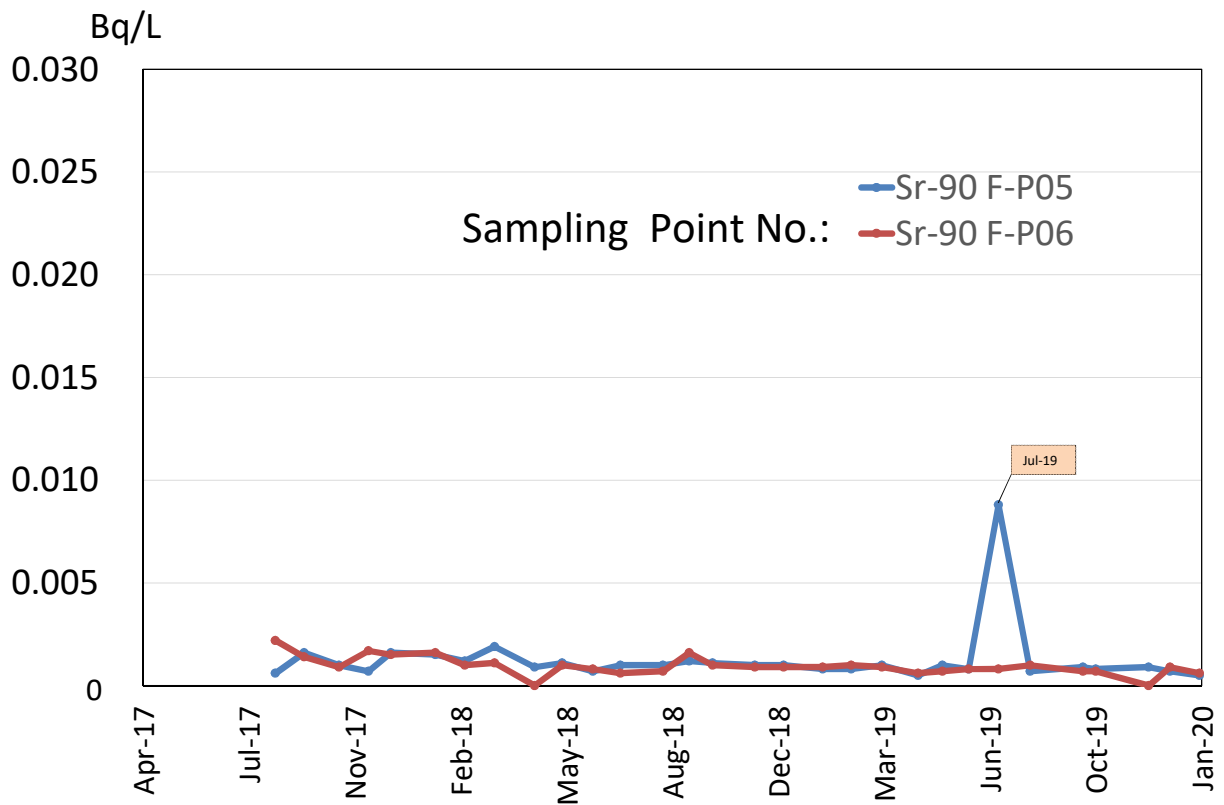
Concentration ranges of Cs-137 in sea-water near the Fukushima Daiichi NPS surveyed by Fukushima prefecture



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

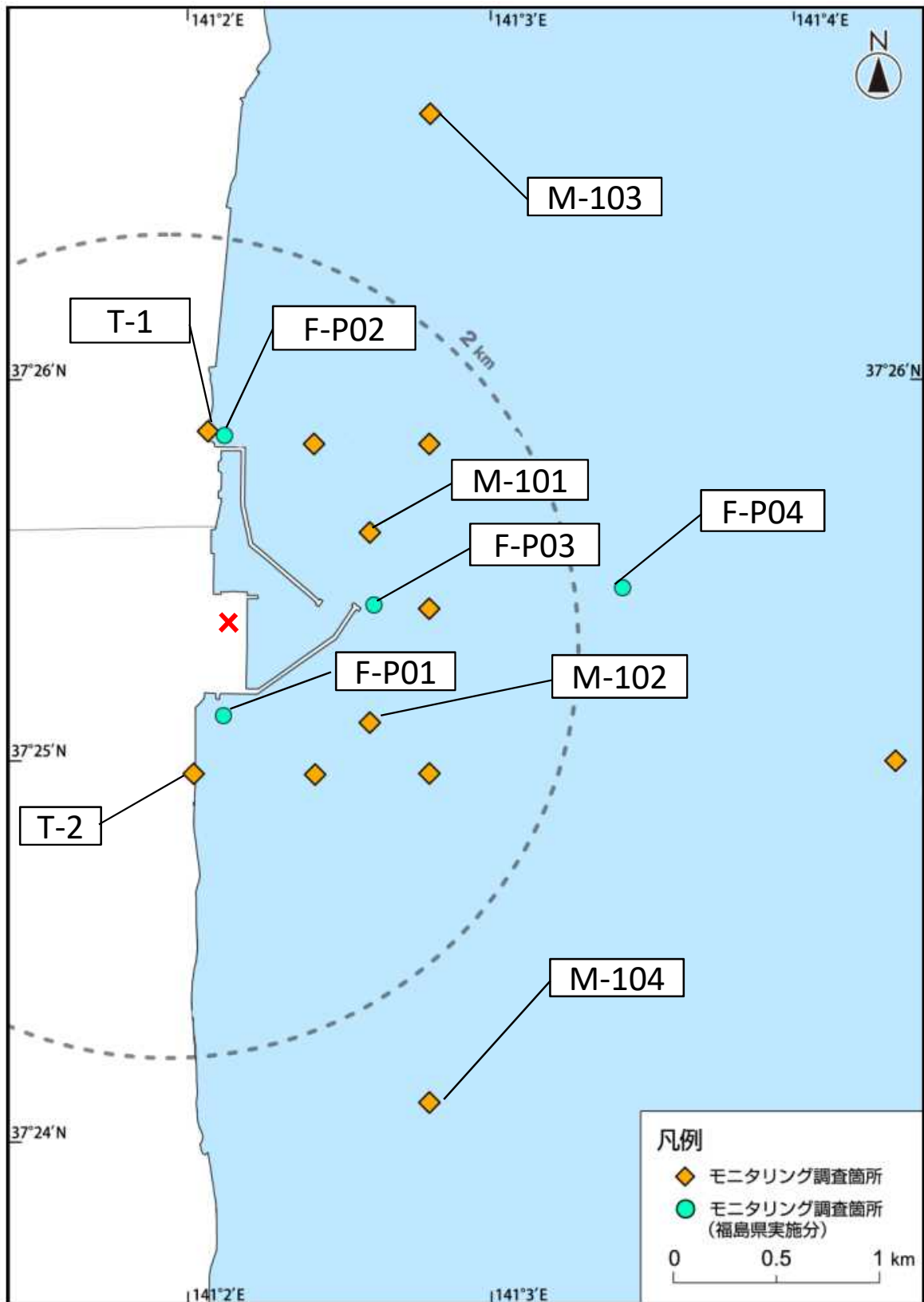


Concentration ranges of Cs-137 in sea-water around the Fukushima Daiichi NPS surveyed by Fukushima prefecture



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

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 legend × indicates the location of TEPCO Fukushima Dai-ichi NPP.

福島第一原子力発電所沿岸海域の海水の放射性物質濃度測定結果
 (東京電力ホールディングス株の発表をもとに作成^{※1})
 試料採取日: 令和2年2月18日、25日

Radioactivity concentration in the seawater around Fukushima Dai-ichi NPP
 (Based on the press release of TEPCO^{※1})
 Sampling Date: Feb 18, 25, 2020

令和2年3月31日
 Mar 31, 2020

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-3	2019/11/12 14:15	0.0058	0.078						
	2019/11/19 11:40	0.0076	0.12	0.35		ND(11)			
	2019/11/26 14:30	0.0096	0.15						
	2019/12/3 11:20	0.0041	0.054	0.34		ND(13)			
	2019/12/10 11:10	0.0014	0.026						
	2019/12/17 11:30	0.0024	0.037	0.32		ND(13)			
	2019/12/24 14:40	0.0080	0.12						
	2019/12/30 14:10	0.0045	0.089						
	2020/1/7 11:20	0.0025	0.039	ND(0.30)		ND(12)			
	2020/1/14 14:00	0.0026	0.042						
	2020/1/21 11:35	0.0067	0.11	ND(0.33)		ND(13)			
	2020/1/28 14:30	0.0089	0.15						
	2020/2/4 14:00	0.0056	0.076	ND(0.31)		ND(13)			
	2020/2/12 14:40	0.0044	0.058						
2020/2/18 14:30	0.0049	0.074	ND(0.36)		ND(13)				
20220/2/25 14:10	0.0014	0.031							
T-4	2019/11/12 11:10	0.0023	0.035						
	2019/11/19 14:20	0.0018	0.029						
	2019/11/26 11:30	0.0055	0.075						
	2019/12/3 13:55	0.0046	0.069						
	2019/12/10 14:15	0.0044	0.076						
	2019/12/17 14:05	0.0037	0.046						
	2019/12/24 11:40	0.0026	0.049						
	2019/12/30 8:30	0.0062	0.098						
	2020/1/7 13:50	0.0029	0.050						
	2020/1/14 10:40	0.0038	0.066						
	2020/1/21 14:05	0.0053	0.088						
	2020/1/28 11:55	0.0025	0.044						
	2020/2/4 15:00	0.0046	0.069						
	2020/2/12 11:40	0.0045	0.066						
2020/2/18 8:30	0.0054	0.097							
2020/2/25 11:10	0.0019	0.030							
T-6	2019/11/12 9:45	0.0059	0.093						
	2019/11/19 10:00	0.0055	0.073	ND(0.33)		ND(13)			
	2019/11/26 10:15	0.011	0.18						
	2019/12/3 9:30	0.0046	0.066	0.40		ND(13)			
	2019/12/10 9:35	0.0023	0.034						
	2019/12/17 9:45	0.0047	0.071	0.49		ND(12)			
	2019/12/24 10:30	0.025	0.36						
	2019/12/30 12:45	0.0047	0.073						
	2020/1/7 9:45	0.0037	0.076	ND(0.31)		ND(14)			
	2020/1/14 9:35	0.0039	0.058						
	2020/1/21 9:40	0.0068	0.10	0.49		ND(13)			
	2020/1/28 10:45	0.0030	0.055						
	2020/2/4 9:45	0.0058	0.099	0.33		ND(13)			
	2020/2/12 10:00	0.0048	0.078						
2020/2/18 11:20	0.0033	0.060	ND(0.34)		ND(13)				
2020/2/25 9:50	ND(0.0013)	0.019							

○: 上層(表層~2m) Outer Layer

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

※1 東京電力ホールディングス株の発表(<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
放射線物質濃度 (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	2019/11/11 7:16	ND(0.0012)	0.0017					O	
		ND(0.0014)	0.0021					L	
	2019/11/22 7:58	ND(0.0012)	0.0028	0.50		ND(15)			O
		ND(0.0012)	0.0027						L
	2019/11/27 7:18	ND(0.0014)	0.0027						O
		ND(0.0012)	0.0017						L
	2019/12/5 8:26	ND(0.0012)	0.0023	0.37	ND(2.1)	ND(13)	0.00083		O
		ND(0.0014)	0.0026						L
	2019/12/9 8:08	ND(0.0013)	0.0030						O
		ND(0.0013)	0.0024						L
	2019/12/16 8:06	ND(0.0011)	0.0030	0.44		ND(14)			O
		ND(0.0011)	0.0030						L
	2019/12/25 8:37	ND(0.0013)	0.0041						O
		ND(0.0013)	0.0043						L
	2019/12/29 8:13	ND(0.0012)	0.0034						O
		ND(0.0013)	0.0029						L
	2020/1/6 8:20	ND(0.0013)	0.0029	ND(0.35)	ND(1.9)	ND(13)	0.0013		O
		ND(0.0013)	0.0030						L
	2020/1/14 8:14	ND(0.0012)	0.0021						O
		ND(0.0013)	0.0039						L
2020/1/23 8:15	ND(0.0013)	0.0022	0.30		ND(14)			O	
	ND(0.0013)	0.0031						L	
2020/1/27 8:11	ND(0.0011)	0.0024						O	
	ND(0.0012)	0.0028						L	
2020/2/3 8:22	ND(0.0012)	0.0030						O	
	ND(0.0014)	0.0037						L	
2020/2/10 8:13	ND(0.0013)	0.0027						O	
	ND(0.0013)	0.0021						L	
2020/2/20 8:11	ND(0.0014)	0.0051						O	
	ND(0.0013)	0.0054						L	
2020/2/25 8:11	ND(0.0012)	0.0047						O	
	ND(0.0014)	0.0045						L	

T-D1	2019/11/11 8:02	0.0013	0.022					O	
		ND(0.0012)	0.014					L	
	2019/11/21 7:49	ND(0.0012)	0.016	ND(0.34)		ND(13)			O
		ND(0.0012)	0.0059						L
	2019/11/27 7:53	0.0030	0.035						O
		0.0014	0.018						L
	2019/12/3 8:49	ND(0.0011)	0.014	ND(0.34)	ND(2.0)	ND(12)	0.0016		O
		0.0014	0.017						L
	2019/12/9 8:45	0.0023	0.037						O
		ND(0.0010)	0.015						L
	2019/12/16 8:48	0.0015	0.020	ND(0.34)		ND(14)			O
		ND(0.0012)	0.018						L
	2019/12/25 9:02	ND(0.0013)	0.012						O
		ND(0.0013)	0.015						L
	2019/12/29 8:59	0.0044	0.067						O
		0.0028	0.048						L
	2020/1/6 8:57	0.0015	0.025	0.34	ND(2.0)	ND(13)	0.0016		O
		0.0018	0.037						L
	2020/1/14 8:45	ND(0.0013)	0.0082						O
		ND(0.0013)	0.016						L
2020/1/22 8:55	ND(0.0012)	0.0082	ND(0.30)		ND(14)			O	
	0.0042	0.075						L	
2020/1/27 8:50	ND(0.0010)	0.013						O	
	ND(0.0014)	0.017						L	
2020/2/3 8:53	0.0013	0.023						O	
	0.0035	0.061						L	
2020/2/10 8:41	0.0016	0.033						O	
	0.0015	0.024						L	
2020/2/19 8:50	0.0013	0.023						O	
	ND(0.0014)	0.013						L	
2020/2/25 8:51	ND(0.0013)	0.0048						O	
	ND(0.00098)	0.0047						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
放射線物質濃度 (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	2019/11/11 8:29	ND(0.0013) ND(0.0014)	0.016 0.014					O L	
	2019/11/21 8:15	ND(0.0012) ND(0.0014)	0.013 0.012	ND(0.34)		ND(12)		O L	
	2019/11/27 8:20	0.0016 ND(0.0012)	0.020 0.014					O L	
	2019/12/3 9:12	ND(0.0010) ND(0.0012)	0.0056 0.012	ND(0.35)	ND(2.0)	ND(14)	0.0013	O L	
	2019/12/9 9:10	ND(0.00092) ND(0.0011)	0.010 0.0091					O L	
	2019/12/16 9:14	ND(0.0013) ND(0.0014)	0.012 0.011	ND(0.34)		ND(14)		O L	
	2019/12/25 9:29	ND(0.0013) ND(0.0013)	0.011 0.019					O L	
	2019/12/29 9:27	0.0012 0.0022	0.017 0.033					O L	
	2020/1/6 9:28	ND(0.0011) ND(0.0012)	0.013 0.019	ND(0.34)	ND(2.0)	ND(13)	0.0015	O L	
	2020/1/14 9:09	ND(0.0012) ND(0.0013)	0.0059 0.017					O L	
	2020/1/22 9:23	0.0016 0.0026	0.020 0.039	ND(0.30)		ND(14)		O L	
	2020/1/27 9:16	ND(0.0013) ND(0.0011)	0.013 0.012					O L	
	2020/2/3 9:23	ND(0.0012) ND(0.0011)	0.012 0.013					O L	
	2020/2/10 9:04	0.0015 0.0013	0.018 0.017					O L	
	2020/2/19 9:16	ND(0.0012) ND(0.0013)	0.014 0.0092					O L	
	2020/2/25 9:17	ND(0.0011) ND(0.0012)	0.0096 0.0059					O L	
	T-D9	2019/11/11 8:01	ND(0.0011) 0.0012	0.014 0.014					O L
		2019/11/22 8:52	ND(0.0011) ND(0.0012)	0.0094 0.010	ND(0.36)		ND(15)		O L
		2019/11/27 7:13	0.0015 ND(0.0013)	0.025 0.013					O L
		2019/12/5 9:25	ND(0.0012) ND(0.0012)	0.0069 0.0065	0.54	ND(2.1)	ND(13)	0.0011	O L
2019/12/9 8:54		ND(0.0012) ND(0.0013)	0.0048 0.0060					O L	
2019/12/16 8:51		ND(0.00091) ND(0.0010)	0.0047 0.0057	0.39		ND(14)		O L	
2019/12/25 9:29		0.0011 0.0013	0.014 0.019					O L	
2019/12/29 9:07		ND(0.0012) ND(0.0013)	0.0063 0.018					O L	
2020/1/6 9:07		ND(0.0012) ND(0.0013)	0.0079 0.011	0.37	ND(1.9)	ND(13)	0.00099	O L	
2020/1/14 8:58		ND(0.0010) ND(0.0011)	0.0093 0.015					O L	
2020/1/23 9:00		ND(0.0013) 0.0028	0.012 0.036	ND(0.29)		ND(14)		O L	
2020/1/27 8:57		ND(0.0012) 0.0015	0.0028 0.025					O L	
2020/2/3 9:09		ND(0.0013) 0.0016	0.017 0.031					O L	
2020/2/10 8:57		0.0017 ND(0.0014)	0.020 0.022					O L	
2020/2/20 9:00		ND(0.0014) ND(0.0014)	0.018 0.016					O L	
2020/2/25 8:55		ND(0.0012) ND(0.0013)	0.014 0.0082					O L	

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

Cs-134

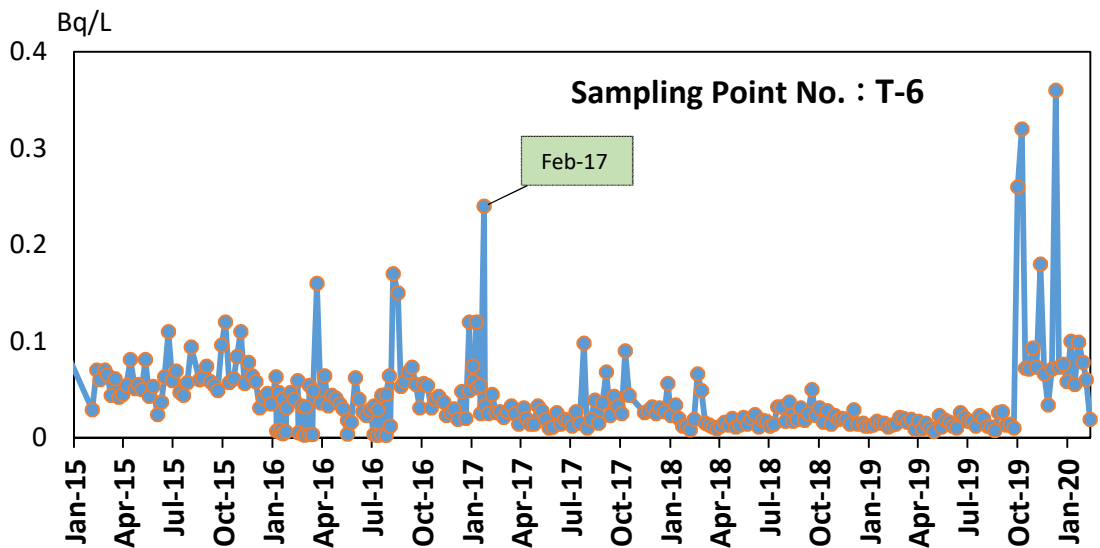
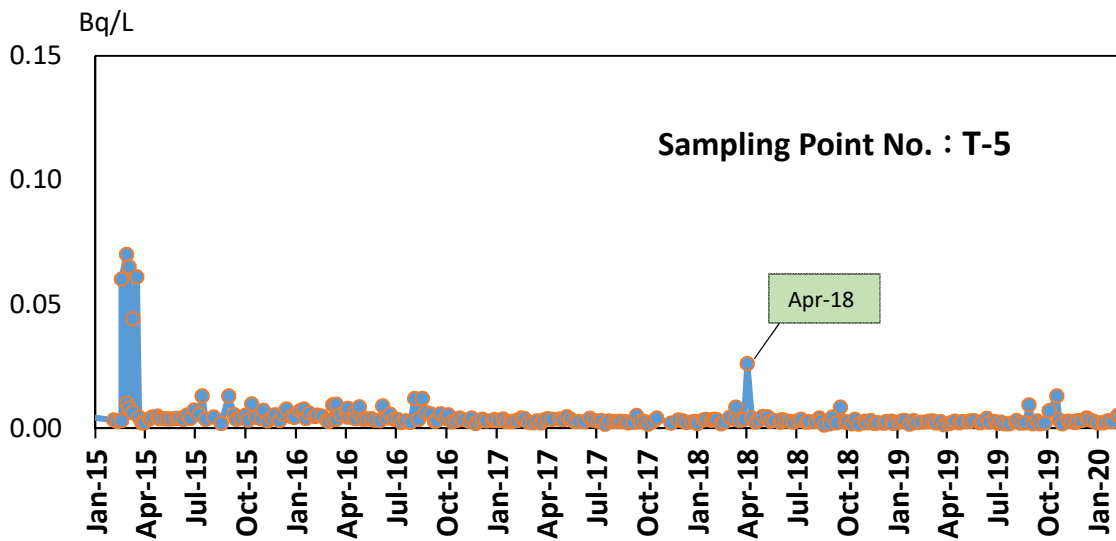
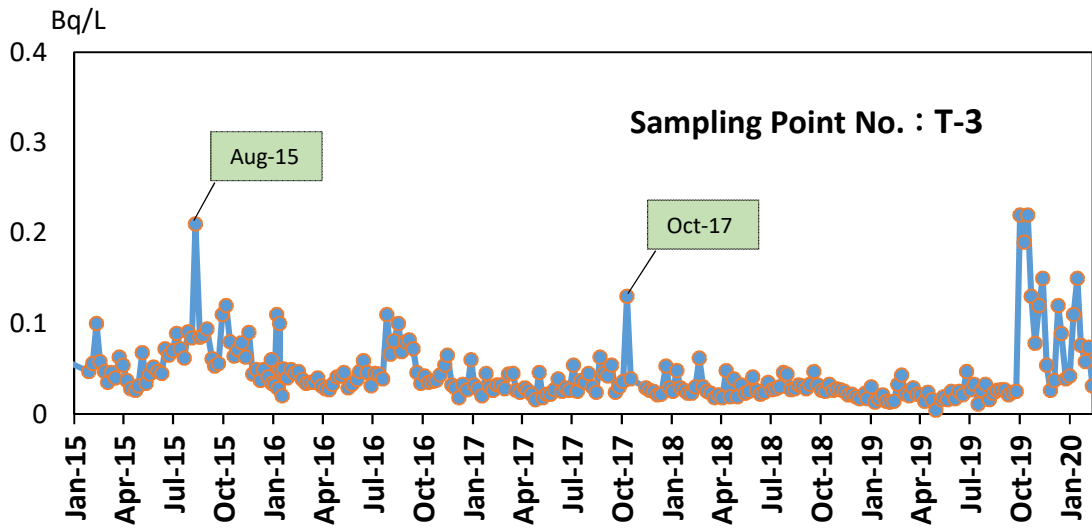
Cs-137

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	2019/11/11 8:30	ND(0.0013)	0.018	O
		ND(0.0013)	0.011	L
	2019/11/22 9:27	ND(0.0010)	0.0099	O
		ND(0.00096)	0.0083	L
	2019/11/27 7:57	0.0018	0.029	O
		0.0046	0.070	L
	2019/12/5 9:58	ND(0.0012)	0.014	O
		ND(0.0013)	0.018	L
	2019/12/9 9:22	ND(0.0012)	0.0090	O
		ND(0.0014)	0.0061	L
	2019/12/16 9:19	ND(0.0011)	0.0081	O
		ND(0.0013)	0.0083	L
	2019/12/25 10:00	ND(0.0012)	0.011	O
		0.0017	0.029	L
	2019/12/29 9:40	0.0023	0.030	O
		0.0022	0.035	L
	2020/1/6 9:41	ND(0.0013)	0.0072	O
		ND(0.0014)	0.0062	L
	2020/1/14 9:28	ND(0.0012)	0.0045	O
		0.0016	0.023	L
2020/1/23 9:29	ND(0.0014)	0.021	O	
	ND(0.0014)	0.013	L	
2020/1/27 9:32	ND(0.0012)	0.0079	O	
	ND(0.0014)	0.012	L	
2020/2/3 9:40	0.0018	0.035	O	
	0.0012	0.024	L	
2020/2/10 9:25	0.0014	0.024	O	
	0.0021	0.039	L	
2020/2/20 9:30	ND(0.0012)	0.017	O	
	0.0014	0.018	L	
2020/2/25 9:26	ND(0.0014)	0.013	O	
	ND(0.0013)	0.0076	L	

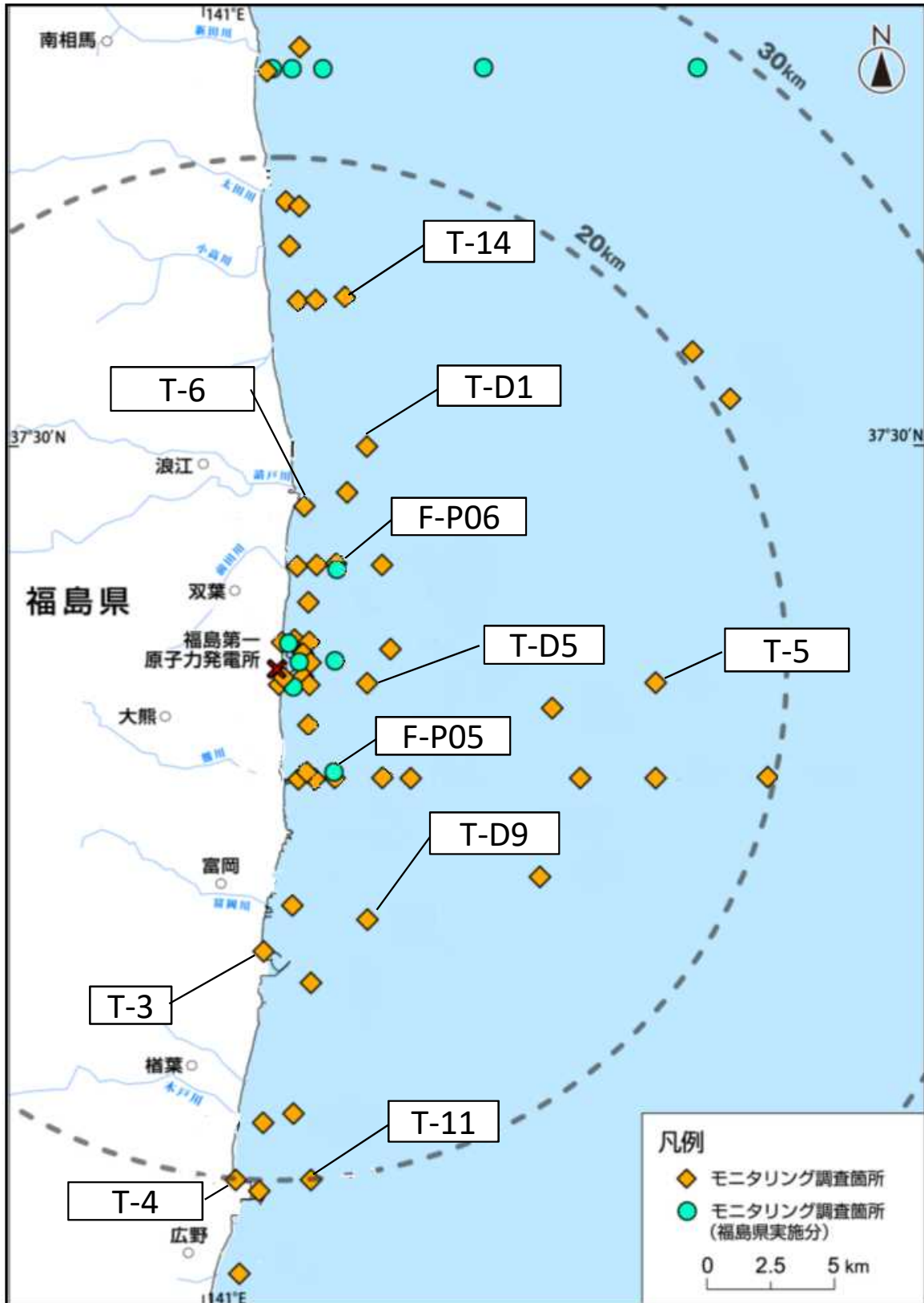
T-14	2019/11/11 7:42	ND(0.0016)	0.014	O
		0.0019	0.026	L
	2019/11/21 7:29	ND(0.0014)	0.0056	O
		ND(0.0014)	0.0082	L
	2019/11/27 7:32	ND(0.0012)	0.010	O
		0.0027	0.035	L
	2019/12/3 8:21	ND(0.0012)	0.0044	O
		ND(0.0012)	0.0051	L
	2019/12/9 8:23	ND(0.0012)	0.013	O
		ND(0.0014)	0.019	L
	2019/12/16 8:28	ND(0.0012)	0.013	O
		0.0014	0.025	L
	2019/12/25 8:41	ND(0.0014)	0.011	O
		ND(0.0014)	0.0085	L
	2019/12/29 8:40	ND(0.0015)	0.015	O
		0.0045	0.076	L
	2020/1/6 8:30	0.0016	0.028	O
		ND(0.0012)	0.018	L
	2020/1/14 8:28	ND(0.0015)	0.0071	O
		ND(0.0016)	0.0099	L
2020/1/22 8:35	ND(0.0016)	0.0072	O	
	0.0022	0.028	L	
2020/1/27 8:32	ND(0.0013)	0.0075	O	
	ND(0.0012)	0.0076	L	
2020/2/3 8:29	ND(0.0014)	0.010	O	
	ND(0.0016)	0.023	L	
2020/2/10 8:22	ND(0.0015)	0.0092	O	
	ND(0.0016)	0.017	L	
2020/2/19 8:28	ND(0.0015)	0.011	O	
	ND(0.0017)	0.0072	L	
2020/2/25 8:32	ND(0.0015)	0.0057	O	
	ND(0.0013)	0.0048	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 legend × indicates the location of TEPCO Fukushima Dai-ichi NPP.

福島第一原子力発電所近傍・沿岸海域の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2年2月3日～21日

Radioactivity concentration in the sediment near and around Fukushima Dai-ichi NPP
 (Based on the press release of TEPCO※1)
 Sampling Date: Feb 3 - 21, 2020

令和2年3月17日
 Mar 17, 2020

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	2019/11/4 8:05	18	280	ND(0.81)		
	2019/12/2 8:00	9.6	200			
	2020/1/6 7:50	14	210	ND(0.79)		
	2020/2/3 7:50	54	880			

T-2	2019/11/4 7:15	11	160	ND(0.79)		
	2019/12/2 7:10	6.4	120			
	2020/1/6 6:55	9.5	160	ND(0.83)		
	2020/2/7 6:55	12	230			

沿岸海域

T-3	2019/11/5 11:35	4.6	71			
	2019/12/10 11:10	3.6	49			
	2020/1/14 14:00	ND(2.6)	48			
	2020/2/12 14:40	3.0	53			

T-4	2019/11/5 14:05	ND(3.5)	32			
	2019/12/3 13:55	ND(3.1)	51			
	2020/1/7 13:50	ND(2.7)	27			
	2020/2/4 15:00	ND(2.1)	36			

T-5	2019/11/5 7:25	5.2	86			
	2019/12/5 8:26	ND(2.6)	45			
	2020/1/6 8:20	ND(2.8)	28			
	2020/2/3 8:22	3.5	41			

T-11	2019/11/5 8:47	4.8	66			
	2019/12/5 9:58	2.3	24			
	2020/1/6 9:41	ND(2.3)	37			
	2020/2/3 9:40	ND(2.4)	27			

T-14	2019/11/7 5:06	30	470			
	2019/12/3 8:21	ND(2.2)	21			
	2020/1/6 8:30	ND(2.3)	12			
	2020/2/3 8:29	2.3	21			

T-①	2019/11/22 7:48	7.9	150			
	2019/12/6 8:57	25	420			
	2020/1/23 8:44	20	380			
	2020/2/13 8:32	21	380			

T-②	2019/11/22 7:39	27	410			
	2019/12/6 8:44	7.7	130			
	2020/1/23 8:36	7.0	110			
	2020/2/13 8:24	8.8	120			

T-③	2019/11/22 8:27	13	210			
	2019/12/6 9:44	7.1	120			
	2020/1/23 9:21	5.9	110			
	2020/2/13 9:10	8.1	120			

T-④	2019/11/22 8:19	6.2	87			
	2019/12/6 9:33	3.5	59			
	2020/1/23 9:14	14	200			
	2020/2/13 9:03	16	240			

T-⑤	2019/11/22 8:12	5.1	56			
	2019/12/6 9:22	ND(2.9)	64			
	2020/1/23 9:08	15	230			
	2020/2/13 8:56	12	250			

T-⑥	2019/11/6 7:44	20	280			
	2019/12/4 8:39	61	970			
	2020/1/17 8:43	21	350			
	2020/2/14 8:36	19	330			

T-⑦	2019/11/6 7:36	22	340			
	2019/12/4 8:30	6.7	100			
	2020/1/17 8:31	13	200			
	2020/2/14 8:29	31	540			

T-⑧	2019/11/6 7:27	9.3	120			
	2019/12/4 8:22	4.4	63			
	2020/1/17 8:24	3.8	61			
	2020/2/14 8:21	5.6	76			

T-⑨	2019/11/6 7:11	89	1300			
	2019/12/4 8:09	44	660			
	2020/1/17 8:10	210	3600			
	2020/2/14 7:59	4.2	87			

T-⑩	2019/11/22 8:45	ND(2.1)	14			
	2019/12/5 9:38	ND(1.6)	10			
	2020/1/8 8:59	ND(2.3)	5.4			
	2020/2/12 9:01	ND(2.0)	7.2			

T-⑪	2019/11/22 8:30	ND(2.5)	38			
	2019/12/5 9:12	ND(3.0)	29			
	2020/1/8 8:07	3.1	31			
	2020/2/12 8:35	ND(2.7)	48			

* 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>)

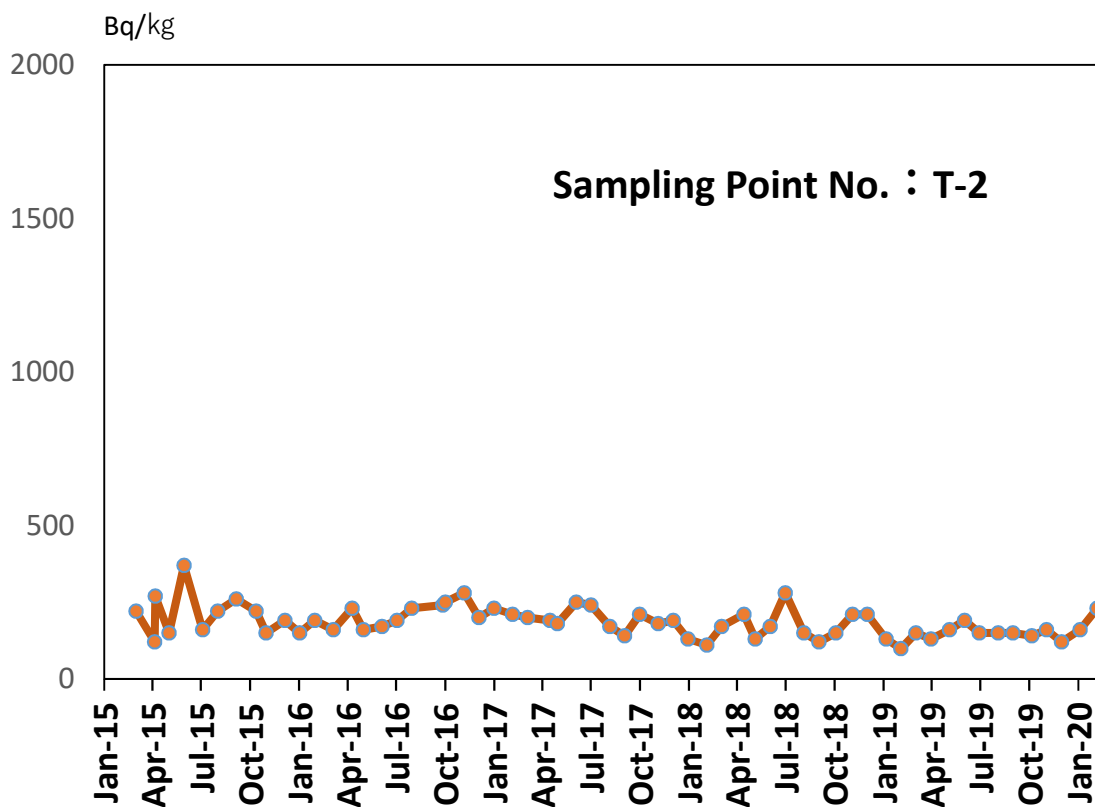
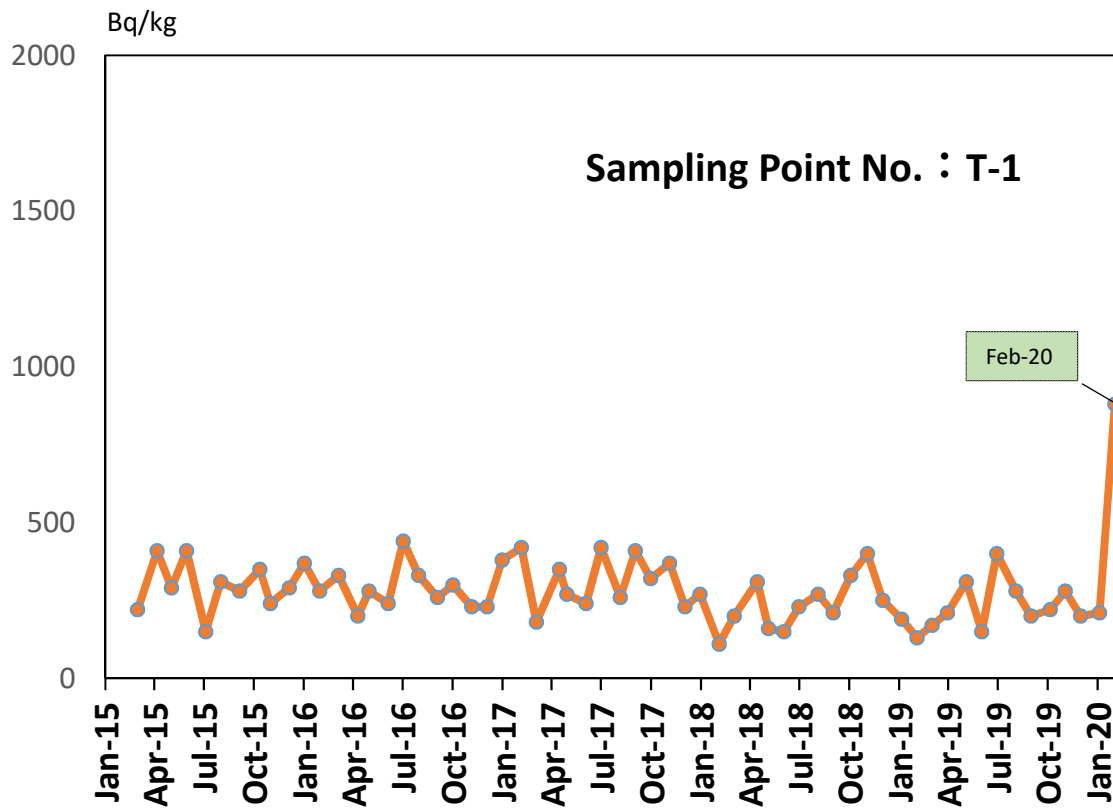
※1 Based on the press release of TEPCO (<http://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/index-e.html>)

※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。

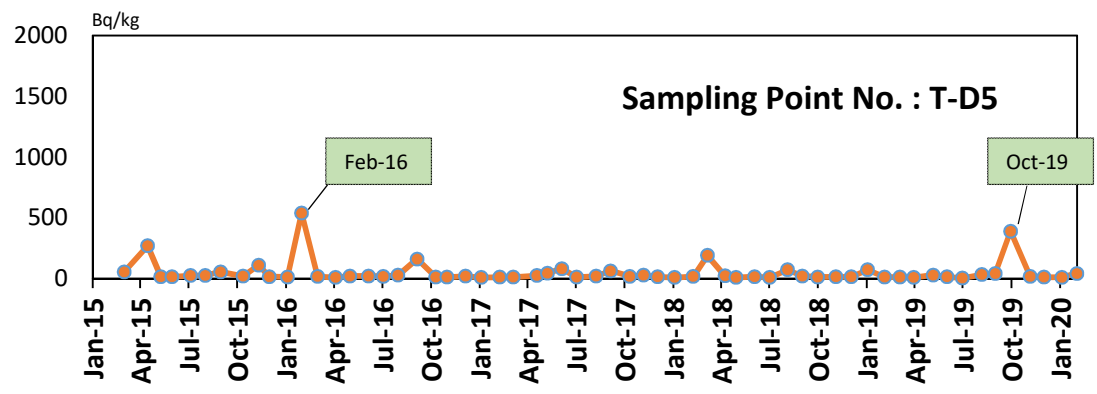
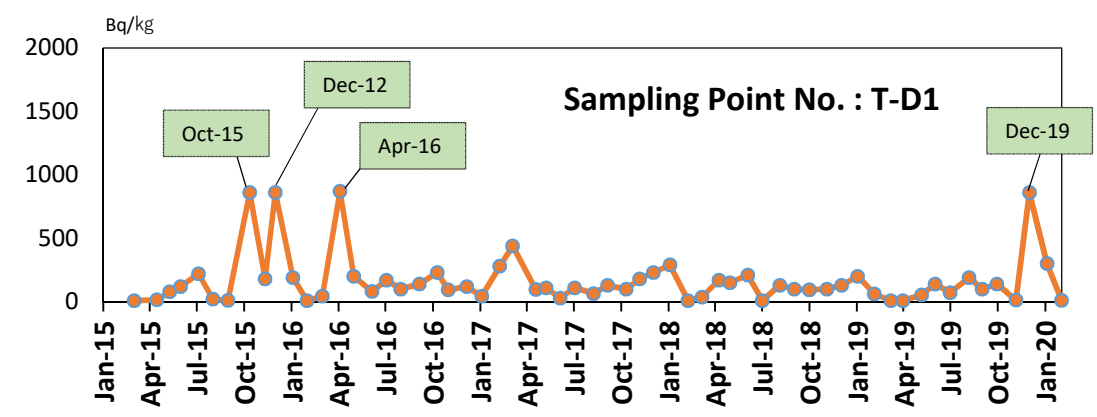
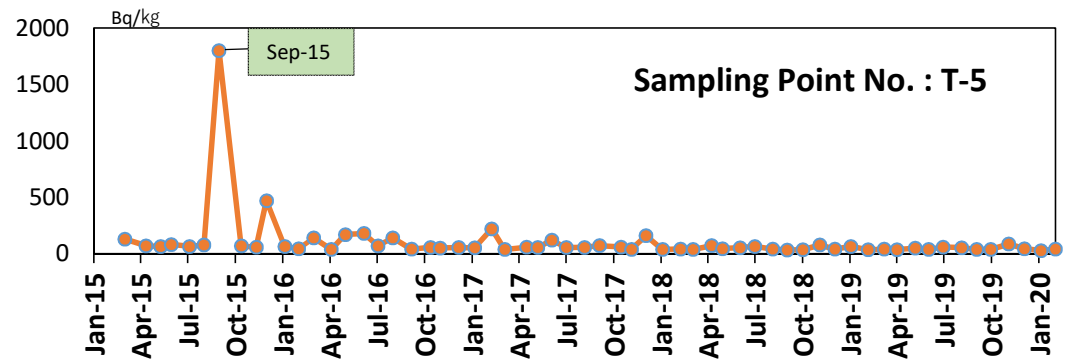
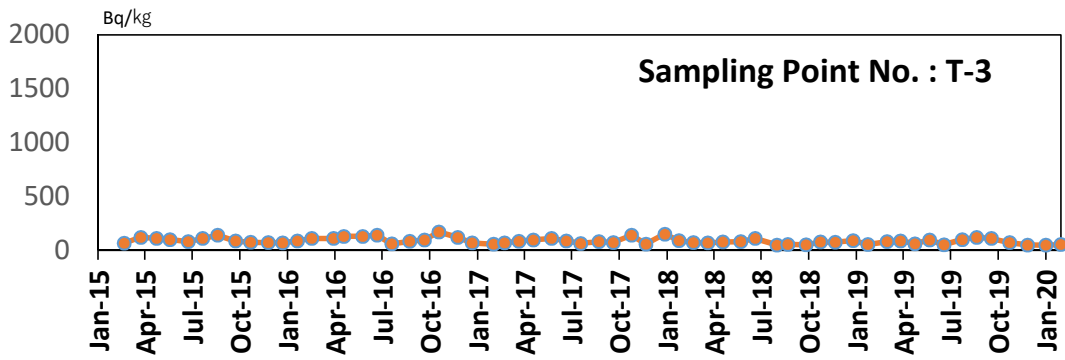
※2 ND indicates the case that the detected radioactivity concentration in the sediment was lower than the detection limits.

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	2019/11/7 5:35	ND(2.4)	12	T-D9	2019/11/5 8:16	130	2100
	2019/12/3 8:49	50	860		2019/12/5 9:25	ND(3.2)	50
	2020/1/6 8:57	18	300		2020/1/6 9:07	76	1100
	2020/2/3 8:53	ND(3.1)	11		2020/2/3 9:09	12	260
T-D5	2019/11/7 6:05	ND(2.6)	18	T-⑩	2019/11/6 8:22	14	190
	2019/12/3 9:12	ND(2.2)	12		2019/12/4 9:13	12	170
	2020/1/6 9:28	ND(2.5)	10		2020/1/17 9:16	8.9	110
	2020/2/3 9:23	3.1	42		2020/2/14 9:12	6.9	110
T-⑪	2019/11/22 7:55	2.5	31	T-S1	2019/11/13 12:27	ND(2.2)	22
	2019/12/5 8:27	ND(4.3)	44		2019/12/4 12:11	3.5	63
	2020/1/8 7:42	ND(2.7)	32		2020/1/23 10:34	3.7	58
	2020/2/12 8:16	ND(2.6)	53		2020/2/6 5:40	ND(2.2)	38
T-S1	2019/11/7 5:55	ND(3.9)	30	T-S3	2019/11/5 10:04	2.8	30
	2019/12/11 7:20	4.4	70		2019/12/19 10:07	ND(2.1)	6.9
	2020/1/16 13:52	3.9	34		2020/1/26 6:19	ND(1.8)	5.2
	2020/2/13 9:27	5.9	73		2020/2/19 6:16	ND(2.0)	7.9
T-S4	2019/11/13 12:53	3.0	56	T-S5	2019/11/20 5:46	3.6	78
	2019/12/4 12:42	ND(2.0)	3.6		2019/12/12 5:39	4.4	80
	2020/1/23 10:23	ND(2.4)	28		2020/1/22 6:46	ND(2.9)	52
	2020/2/6 6:06	ND(2.1)	14		2020/2/19 5:40	3.8	93
T-S7	2019/11/5 9:42	6.8	60	T-S8	2019/11/12 6:46	4.7	36
	2019/12/19 9:38	4.5	86		2019/12/10 6:55	ND(2.3)	12
	2020/1/26 5:49	13	210		2020/1/28	採取中止(No sample)	
	2020/2/19 5:45	4.9	93		2020/2/4 6:41	ND(2.5)	11
T-B1	2019/11/12 6:18	ND(2.5)	22	T-B2	2019/11/19 7:01	ND(2.0)	11
	2019/12/10 6:18	ND(2.5)	9.4		2019/12/17 8:03	2.2	19
	2020/1/28	採取中止(No sample)			2020/1/28	採取中止(No sample)	
	2020/2/4 6:11	ND(1.7)	2.8		2020/2/21 6:39	ND(2.7)	15
T-B3	2019/11/19 6:02	ND(1.9)	4.9	T-B4	2019/11/15 7:16	2.0	17
	2019/12/17 7:10	ND(2.1)	11		2020/1/24 8:01	4.9	99
	2020/1/28	採取中止(No sample)					
	2020/2/21 5:57	ND(2.0)	6.5				
T-13-1				T-7	2019/11/27 8:20	5.1	63
					2020/1/8 7:00	ND(3.1)	25
T-18	2019/11/27 9:49	12	170	T-12	2019/11/19 5:46	ND(2.7)	26
	2020/1/8 9:27	ND(3.2)	28		2020/1/22 7:31	ND(2.4)	14
T-17-1	2019/11/19 6:19	ND(3.1)	47	T-20	2019/11/19 6:53	ND(2.5)	15
	2020/1/22 6:54	5.2	63		2020/1/22 6:07	ND(2.2)	19
T-22	2019/11/15 5:50	ND(1.9)	11	T-MA	2019/11/15 6:40	ND(2.5)	7.9
	2020/1/24 6:48	ND(3.2)	47		2020/1/24 7:25	ND(0.99)	ND(1.0)
T-M10	2019/11/27 9:39	5.1	86				
	2020/1/8 8:25	ND(3.6)	58				

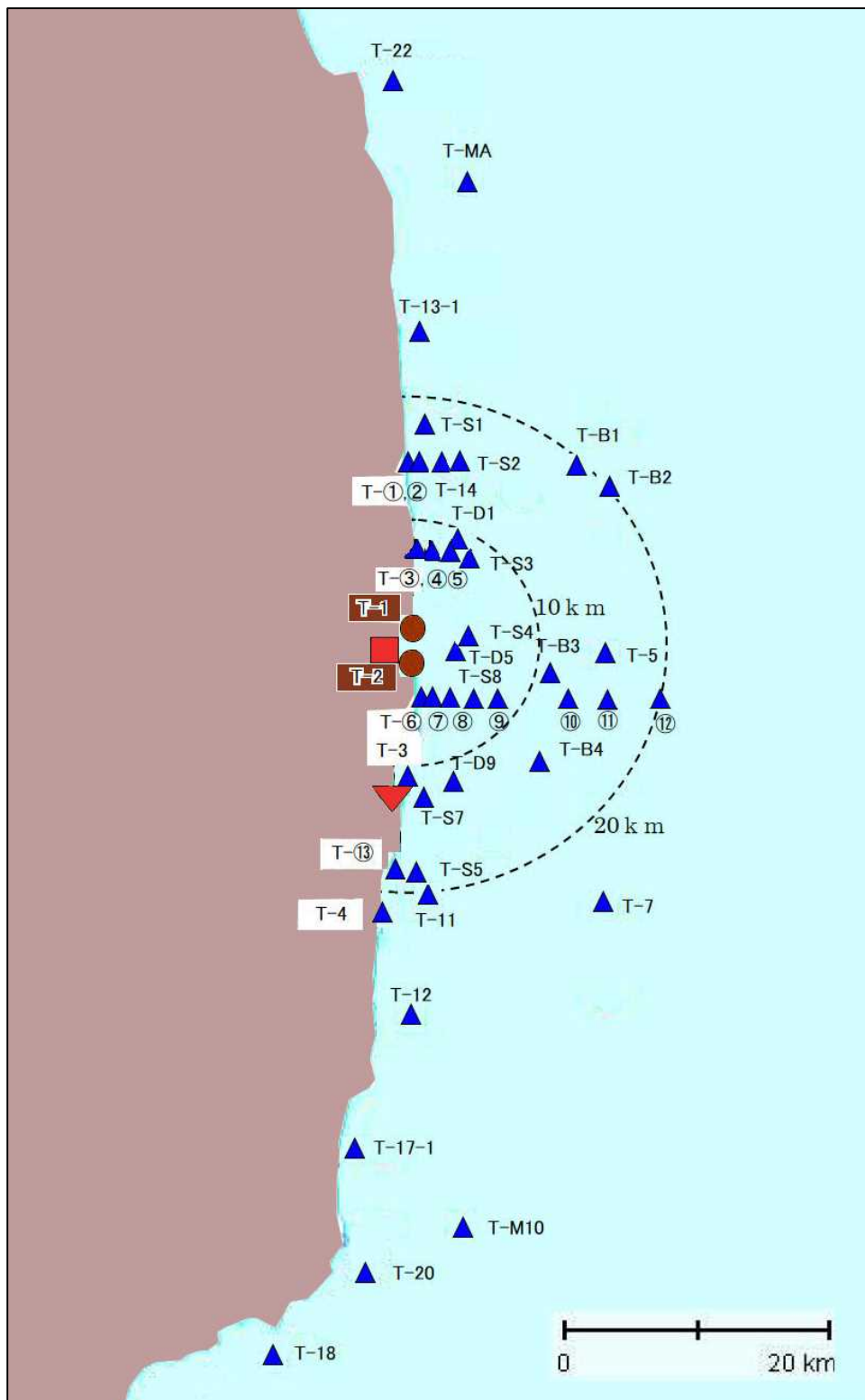


Concentration ranges of Cs-137 in sea-sediment near the Fukushima Daiichi NPS surveyed by TEPCO



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㈱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	2017/11/14	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
	2019/5/10	19	260	0.22	ND	0.22
	2019/8/1	25	330	0.27	ND	0.29
	2019/11/21	18	270	ND	ND	0.15
北放水口付近 F-P02	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
	2019/5/10	12	160	ND	ND	0.27
	2019/8/1	15	210	0.19	ND	0.29
	2019/11/21	23	330	0.35	ND	0.29
取水口付近 F-P03	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
	2019/5/10	26	340	ND	ND	0.30
	2019/8/1	26	390	0.19	ND	0.32
	2019/11/21	19	280	0.19	ND	0.18
第一(発)沖合 2km F-P04	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
	2019/5/10	1.8	20	ND	ND	0.37
	2019/8/1	2.6	29	ND	0.01	0.36
	2019/11/21	12	190	ND	ND	0.45

※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)	2017/11/14	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
	2019/5/10	2.5	36	ND	ND	0.52
	2019/8/1	1.9	28	ND	ND	0.42
2019/11/21	5.0	76	0.32	ND	0.44	

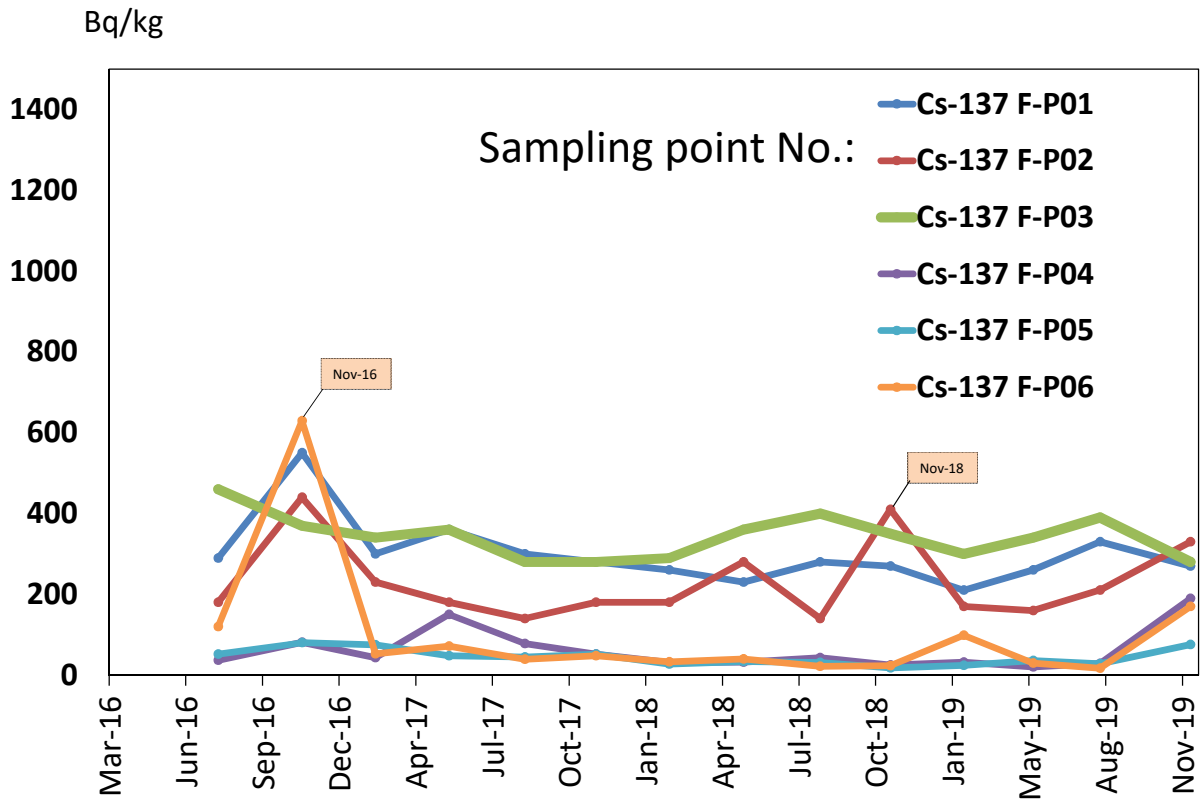
前田川沖2km (双葉町) (F-P06)	2017/8/18	5.7	48	0.30	ND	0.61
	2017/11/14	3.6	33	ND	ND	0.40
	2018/2/13	3.5	40	ND	ND	0.46
	2018/5/16	2.3	22	ND	ND	0.35
	2018/8/19	1.8	23	0.29	ND	0.54
	2019/2/13	7.4	99	ND	0.01	0.50
	2019/5/10	2.0	30	ND	ND	0.46
	2019/8/1	1.7	17	ND	ND	0.38
	2019/11/21	11	170	0.33	0.01	0.43

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

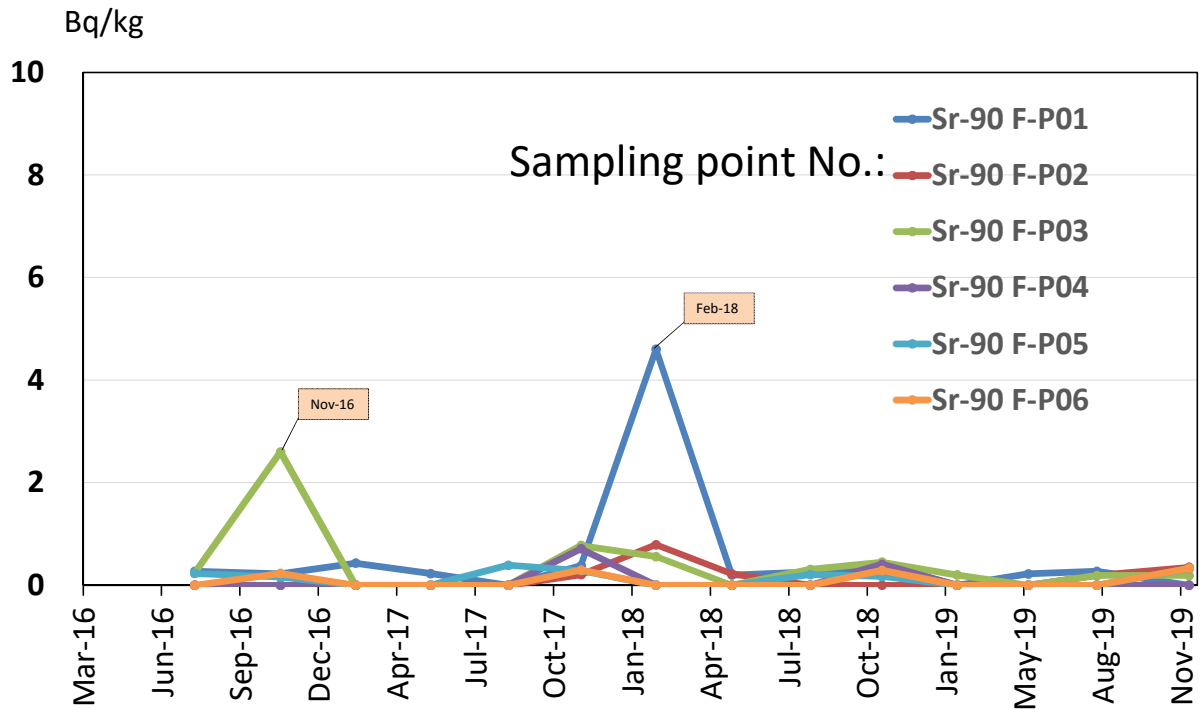
※1 Press release of Fukushima Prefecture (<http://www.pref.fukushima.lg.jp/site/portal/genan208.html>)

※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



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