Environmental Monitoring results and analyses

---- The 3rd Quarter of FY2019 ---
(From October 1 to December 31, 2019)

January 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 October 1 to December 31, 2019 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 and neighboring prefectures】

- 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 : temporary increasing due to the disastrous rain of typhoon in the middle of October
- Concentrations of radioactive materials in sea sediment : increasing at some monitoring points due to the disastrous rain of typhoon in the middle of October

【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 seawater : 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 3rd Quarter of FY2019 ---
(From October 1 to December 31, 2019)

January 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 October 1 to December 31, 2019 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 and neighboring prefectures

【 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：October 1 - December 31, 2019
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：June 26 - September 27, 2019 (92 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) - 4.6mSv/3months
(Refer to Attached Document pages 1)
Previous data：0.1mSv - 4.8mSv/3months (December 26, 2019 - June 27, 2020)

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：September 10 - October 10, 2019
Sampling points：within 20 km from Fukushima Daiichi NPS (6 points)
Monitoring results：Activity concentrations of Cs-134 were from "ND" (not detected) to 0.000041 Bq/m^3 ;
Cs-137 were from ND to 0.00055 Bq/m^3.
(Refer to Attached Document pages 2-3)
Previous data：Activity concentrations of Cs-134 were from ND to 0.00054 Bq/m^3 ;
Cs-137 were from ND to 0.0083 Bq/m^3. (April - August, 2020)

(ⅱ) Responsible organizations：NRA
Sampling period：September 17 - October 25, 2019
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 0.00013 Bq/m^3.
(Refer to Attached Document pages 5-7)
Previous data：Activity concentrations of Cs-134 were all ND ;
Cs-137 were from ND to 0.00028 Bq/m^3. (April - August, 2020)

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: September - November 2019
Sampling points: Fukushima prefecture (Fukushima city)
Analytical method: Measurement after evaporating all monthly samples
Monitoring Results:
Activity concentrations of Cs-134 were from 0.14 to 0.58 MBq/km^2/month ;
Cs-137 were from 2.2 to 8.0 MBq/km^2/month.
(See Attached Document pages 9-11)

The trends of activity concentrations are shown in the graphic charts.
(See Attached Document page 12)

[Sea Area]

4 Concentrations of radioactive materials in seawater

Temporary increasing of the concentrations of radioactive materials in seawater was observed due to the disastrous rain of typhoon No.19 passed through eastern

Japan 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: August 26 - November 18, 2019
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 0.0022 to 0.023 Bq/L ; Cs-137 were from 0.036 to 0.33 Bq/L.
(See Attached Document page 13)

The trends of activity concentrations are shown in the graphic charts.
(See Attached Document page 14)

（ii） Responsible organization: NRA
Sampling period: July 11 - October 3, 2019
Analytical method: Coprecipitation method using ammonium phosphomolybdate, sample amount: 60 L
Measurement time: 58,000 - 240,000 seconds
Monitoring results: Activity concentrations of Cs-134 were from ND to 0.036 Bq/L ; Cs-137 were from 0.0039 to 0.048 Bq/L.
(See Attached Document page 15)

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

（iii） Responsible organization: Fukushima prefectural government
Sampling period: July 2 - September 20, 2019
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 0.028 Bq/L ; Cs-137 were from 0.004 to 0.38 Bq/L.
(See Attached Document page 17)

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

· 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: August 5 - November 4, 2019
Analytical method: Atmospheric distillation
Sampling amount: 50 mL
Measurement time: 5,400 seconds
Monitoring results: Activity concentrations of H-3 were from ND to 2.7 Bq/L.
(See Attached Document page 13)

(ⅱ) Responsible organization: NRA
Sampling period: July 11 - September 6, 2019
Analytical method: Electrolytic enrichment technique
Sampling amount: 500 mL
Measurement time: 30,000 seconds
Monitoring results: Activity concentrations of H-3 were from 0.075 to 0.21 Bq/L.
(See Attached Document page 15)

(ⅲ) Responsible organization: Fukushima prefectural government
Sampling period: July 2 - September 20, 2019
Analytical method: Reduced-pressure distillation
Sampling amount: 50 mL
Measurement time: 30,000 seconds
Monitoring results: Activity concentrations of H-3 from ND to 0.66 Bq/L.
(See Attached Document page 17)

・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: August 5 - November 4, 2019
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 0.011 Bq/L.
(See Attached Document page 13)

The trends of activity concentrations are shown in the graphic charts.
(See Attached Document page 14)

(ⅱ) Responsible organization: NRA
Sampling period: June 13 - September 6, 2019
Analytical method: Y-90 milking method
Sampling amount: 40 L
Measurement time: 6,000 seconds
Monitoring results: Activity concentrations of Sr-90 were from 0.00078 to 0.0030 Bq/L.
(See Attached Document page 15)

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

(See Attached Document page 16)

（ⅱi）Responsible organization: Fukushima prefectural government
Sampling period: July 2 - September 20, 2019
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 0.013 Bq/L.
(See Attached Document page 17)

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

② Radioactivity concentration in seawater around Fukushima Daiichi NPS

・Cs-134 and Cs-137 Analysis
（ｉ）Responsible organization: TEPCO
Sampling period: August 26 - November 22, 2019
Analysis method: Coprecipitation method using ammonium phosphomolybdate
Sample amount: 20, 30 L
Measuring time: 5,000 - 80,000 seconds
Monitoring results: Activity concentrations of Cs-134 were from ND to 0.024 Bq/L；
Cs-137 were from 0.0017 to 0.32 Bq/L.
(See Attached Document pages 22-25)

The trends of activity concentrations at the main points are shown in the graphic charts.
(See Attached Document page 26)

（ⅱ）Responsible organization: Fukushima prefectural government
Sampling period: July 2 - September 20, 2019
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 0.008 Bq/L.
(See Attached Document page 18)

The trends of concentrations at the main points are shown in the graphic charts.
(See Attached Document page 20)

・H-3 Analysis
(ｉ) Responsible organization: TEPCO
Sampling period: August 20 - November 7, 2019
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 0.59 Bq/L.
(See Attached Document pages 22-25)

(ⅱ) Responsible organization: Fukushima prefectural government
Sampling period: July 2 - September 20, 2019
Analysis method: Reduced-pressure distillation
Sample amount: 50 mL
Measuring time: 30,000 seconds
Monitoring results: Activity concentrations of H-3 were from ND to 0.41 Bq/L.
(See Attached Document page 18)

・Sr-90 Analysis
(ⅰ) Responsible organization: TEPCO
Sampling period: August 6 - November 7, 2019
Analysis method: Y-90 milking method
Sample amount: 40 L
Measuring time: 6,000 seconds
Monitoring results: Activity concentrations of Sr-90 were from ND to 0.0020 Bq/L.
(See Attached Document pages 22-25)

(ⅱ) Responsible organization: Fukushima prefectural government
Sampling period: July 2 - September 20, 2019
Analysis method: Y-90 milking method
Sample amount: 50 L
Measuring time: 3,600 seconds
Monitoring result: Activity concentrations of Sr-90 were from 0.0007 to 0.0088 Bq/L.
(See Attached Document page 18. Regarding sample points, see page 27)

The trends of activity concentrations are shown in the graphic charts.
(See Attached Document page 20)

5 Concentrations of radioactive materials in sea sediment

Increasing of the concentrations of radioactive materials in sea sediment at some monitoring points was observed due to the disastrous rain of typhoon No.19 passed through eastern Japan 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: September 2 - October 7, 2019
Monitoring results: Activity concentrations of Cs-134 were from 8.9 to 19 Bq/kg ;
Cs-137 were from 140 to 220 Bq/kg.
(See Attached Document page 28)

The trends of activity concentrations are shown in the graphic charts.
(See Attached Document page 30)

(ⅱ) Responsible organization: Fukushima prefectural government
Sampling date: August 1, 2019

Monitoring results: Activity concentrations of Cs-134 were from 2.6 to 26 Bq/kg ;
Cs-137 were from 29 to 390 Bq/kg.
Activity concentrations of Sr-90 were from ND to 0.27 Bq/kg.
(See Attached Document page 33)

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

② Sea-sediment around the Fukushima Daiichi NPS

· Cs-134 and Cs-137 analyses

（ⅰ）Responsible organization: TEPCO
Sampling period: September 2 - October 30, 2019
Monitoring results: Activity concentrations of Cs-134 were from ND to 49 Bq/kg ;
Cs-137 were from ND to 730 Bq/kg.
(See Attached Document pages 28-29)

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: August 1, 2019
Monitoring results: Activity concentrations of Cs-134 were from 1.7 to 1.9 Bq/kg ;
Cs-137 were from 17 to 28 Bq/kg.
Activity concentrations of Sr-90 were all ND.
(See Attached Document page 34)

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

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: September - November, 2019

Analytical method: Measurement after evaporating all monthly samples
Monitoring results: Activity concentrations of Cs-134 were from ND to 0.13 MBq/km^2/month; Cs-137 were from ND to 1.2 MBq/km^2/month.

(See Attached Document pages 9-11)

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/m^3、Cs-134：20Bq/m^3、Cs-137：30Bq/m^3

Attached Document

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)

令和元年11月5日
原子力規制委員会

Nov 5, 2019
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	6月の回収年月日 Collection Date	6月末までの積算日数 Accumulated Day (x)	6月末までの積算数値 Reading of Accumulated Dose (a) (mSv)	回収年月日 Collection Date	7～9月の積算日数 Accumulated Day (y)	7～9月の積算数値 Reading of Accumulated Dose (b) (mSv)	9月末までの総積算日数 Accumulated Day (z = x + y)	9月末までの総積算数値 Reading of Accumulated Dose (c =a + b) (mSv)
【31】	双葉郡浪江町津島(30km西北西) Futaba county Namie town Tsushima (30km West/North/West)	2011/3/23	2019/6/27	3017	234.0	2019/9/27	92	1.0	3109	235.0
【32】	双葉郡浪江町赤宇木(32km北西) Futaba county Namie town Akougi (32km North/West)	2011/3/23	2019/6/27	3017	559.4	2019/9/27	92	4.6	3109	564.0
【33】	相馬郡飯舘村長泥(33km北西) Soma county Iitate village Nagadoro (33km North/West)	2011/3/23	2019/6/27	3017	294.7	2019/9/27	92	2.9	3109	297.6
【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	2019/6/27	2984	104.3	2019/9/27	92	0.9	3076	105.2
【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	2019/6/26	3009	10.1	2019/9/26	92	0.1	3101	10.2
【71】	双葉郡広野町下浅見川(23km南) Futaba county Hirono town Shimoasamigawa (23km South)	2011/5/1	2019/6/26	2979	8.8	2019/9/26	92	検出限界(0.1mSv)未満 Below the detection limit (0.1mSv)	3071	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	2019/6/27	3017	250.9	2019/9/27	92	1.3	3109	252.2
【7】	南相馬市鹿島区寺内(32km北) Minamisoma city Kashima ward Terauchi (32km North)	2011/3/23	2019/6/27	3017	13.4	2019/9/27	92	0.1	3109	13.5
【1】	福島市杉妻町(62km北西) Fukushima city Sugitsuma town (62km North/West)	2011/3/23	2019/6/27	3017	14.4	2019/9/27	92	0.1	3109	14.5
【39】	相馬市山上(41km北北西) Soma city Yamakami (41km North/North/West)	2011/4/1	2019/6/27	3009	9.3	2019/9/27	92	0.1	3101	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	2019/6/26	1185	0.8	2019/9/26	92	0.1	1277	0.9
【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	2019/6/26	1185	1.3	2019/9/26	92	0.1	1277	1.4
【80】	南相馬市原町区高見町(24km北) Minamisoma city Haramachi ward Takami town (24km North)	2011/4/3	2019/6/26	3006	9.1	2019/9/26	92	0.1	3098	9.2
【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	2019/6/26	3008	61.0	2019/9/26	92	0.3	3100	61.3

福島第一原子力発電所20km圏内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

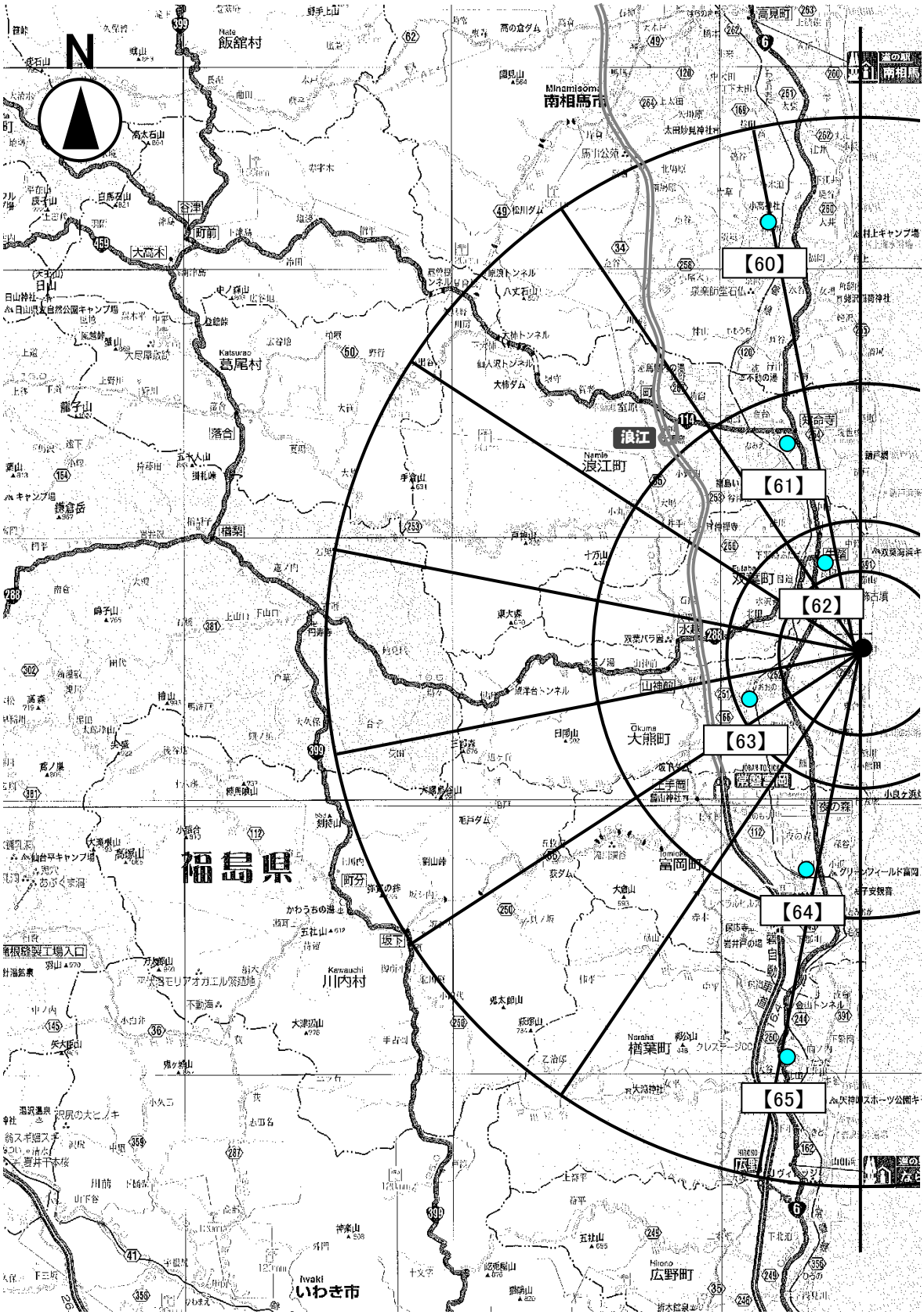
令和元年12月27日　Dec 27, 2019
原子力規制委員会　NRA

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)) Cs-134	Cs-137	その他の人工核種 Other anthropogenic radionuclides	空間線量率 Air dose rate (μSv/h)	備考 Remarks
60	南相馬市小高区本町 Minamisoma city Odaka ward Motomachi	北北西約16km 16km North/North/West	○	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	双葉郡浪江町大字幾世橋 Futaba county Namie town oaza Kiyohashi	北北西約9km 9km North/North/West	○	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	
62	双葉郡双葉町新山前沖 Futaba county Futaba town Shinzanmaeoki	北北西約4km 4km North/North/West	○	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	

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/m³) * (検出限界値 Minimum Detectable Activity (Bq/m³))			空間線量率 Air dose rate (μSv/h)	備考 Remarks
					Cs-134	Cs-137	その他の人工核種 Other anthropogenic radionuclides		
63	双葉郡大熊町大字下野上 Futaba county Okuma town oaza Shimonogami	西南西約5km 5km West/South/West	○	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	
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	○	2019/10/8 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	双葉郡楢葉町大字北田 Futaba county Naraha town oaza Kitada	南南西約16km 16km South/South/West	○	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



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の放射性物質濃度測定結果

Readings of dust sampling by NRA

令和元年12月27日　Dec 27, 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 (μSv/h)	備考 Remarks
					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	○	2019/10/15 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	○	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	
302	双葉郡浪江町下津島 Futaba county Namie town Shimotsushima	29km西北西 29km West/North/West	○	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	

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 (μSv/h)	備考 Remarks
					Cs-134	Cs-137	その他の人工核種 Other anthropogenic radionuclides		
303	田村市船引町船引 Tamura city Funehiki town Funehiki	41km西 41km West	○	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

令和元年12月27日　Dec 27, 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 (μSv/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	63km北西 63km North/West	○	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	

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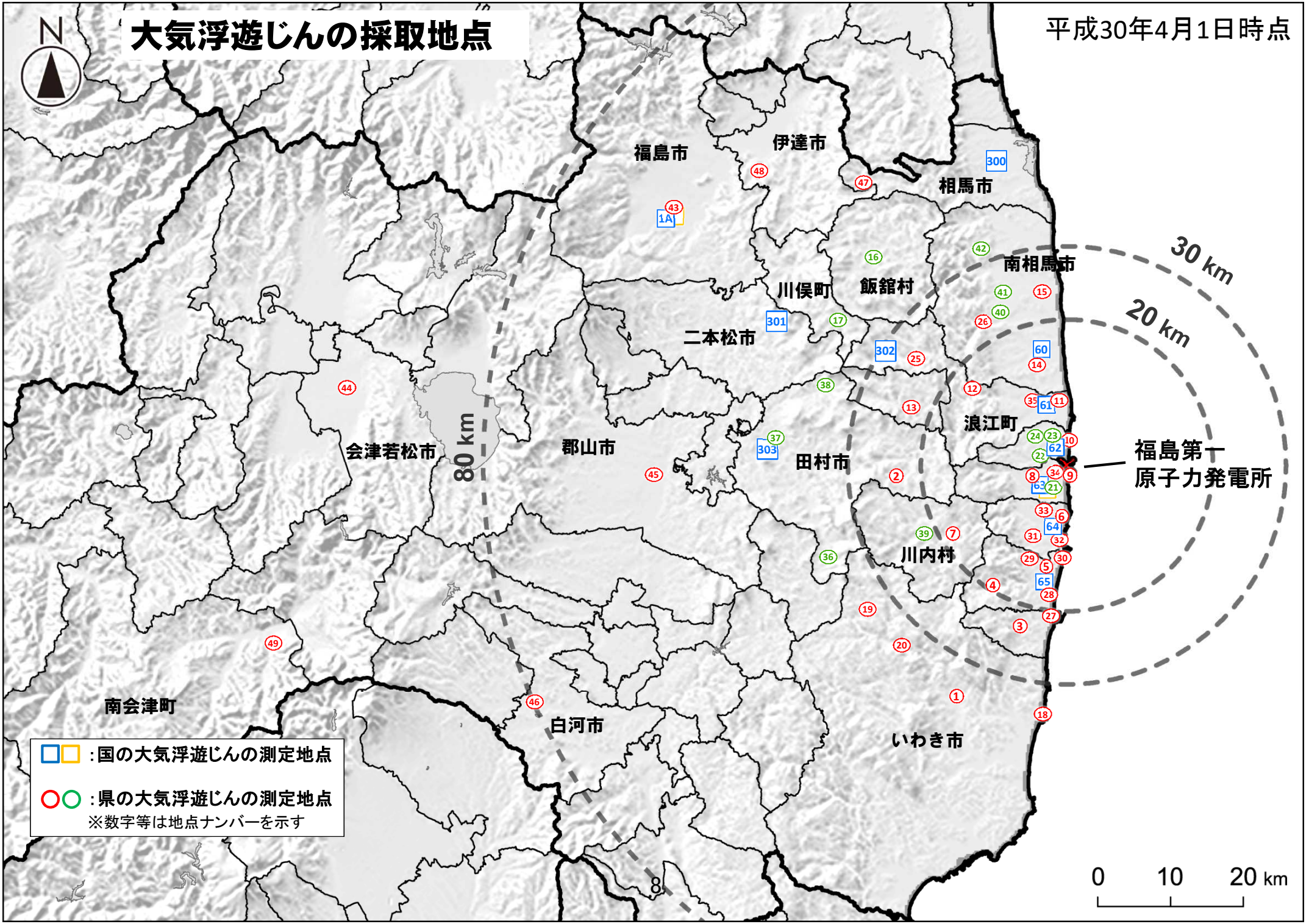
＊ "ND" indicates the measured value was lower than each Minimum Detectable Activity shown in parenthesis.

[Abbreviation]
NRA : Nuclear Regulation Authority


大気浮遊じんの採取地点
平成30年4月1日時点
N
福島市
伊達市
相馬市
南相馬市
川俣町
飯舘村
二本松市
浪江町
会津若松市
郡山市
田村市
川内村
南会津町
白河市
いわき市
30 km
20 km
80 km
福島第一
原子力発電所
: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9月分 [Sep, 2019]）

2019.10.31 [Oct 31, 2019], 2019.11.5追加 [Additional date on Nov 5, 2019]

MBq/km^2・月 [MBq/km^2・month]

	都道府県名 [Prefecture] [City]	月間降下物 [Fallout]				
		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]	備考 [Remarks]
1	北海道（札幌市） [Hokkaido] [Sapporo]	不検出[< 0.14]	不検出[< 0.051]	不検出[< 0.047]		
2	青森県(青森市) [Aomori] [Aomori]	不検出[< 0.10]	不検出[< 0.051]	不検出[< 0.051]		
3	岩手県(盛岡市) [Iwate] [Morioka]	不検出[< 1.0]	不検出[< 0.067]	0.055		
4	宮城県(仙台市) [Miyagi] [Sendai]	不検出[< 0.13]	不検出[< 0.055]	0.14		
5	秋田県(秋田市) [Akita] [Akita]	不検出[< 0.14]	不検出[< 0.058]	不検出[< 0.052]		
6	山形県(山形市) [Yamagata] [Yamagata]	不検出[< 0.19]	不検出[< 0.055]	0.20		
7	福島県(福島市) [Fukushima] [Fukushima]	**不検出[< 0.43]**	**0.14**	**2.2**		**測定中であったが到着 [Measurements arrived,though it had delayed.]**
8	茨城県(ひたちなか市) [Ibaraki] [Hitachinaka]	不検出[< 0.44]	不検出[< 0.12]	0.65		
9	栃木県(宇都宮市) [Tochigi] [Utsunomiya]	不検出[< 0.30]	不検出[< 0.064]	0.17		
10	群馬県(前橋市) [Gunma] [Maebashi]	不検出[< 0.12]	不検出[< 0.070]	0.12		
11	埼玉県（比企郡） [Saitama][Hiki]	不検出[< 0.12]	不検出[< 0.069]	0.085		
12	千葉県(市原市) [Chiba] [Ichihara]	不検出[< 0.17]	0.13	1.2		
13	東京都(新宿区) [Tokyo] [Shinjuku]	不検出[< 0.14]	0.076	1.2		
14	神奈川県(茅ヶ崎市) [Kanagawa] [Chigasaki]	不検出[< 0.088]	0.027	0.55		
15	新潟県(新潟市) [Niigata] [Niigata]	不検出[< 0.17]	不検出[< 0.043]	不検出[< 0.038]		
16	富山県(射水市) [Toyama] [Imizu]	不検出[< 0.059]	不検出[< 0.036]	不検出[< 0.030]		
17	石川県(金沢市) [Ishikawa] [Kanazawa]	不検出[< 0.22]	不検出[< 0.044]	不検出[< 0.033]		
18	福井県(福井市) [Fukui] [Fukui]	不検出[< 0.22]	不検出[< 0.060]	不検出[< 0.044]		
19	山梨県(甲府市) [Yamanashi] [Kofu]	不検出[< 0.38]	不検出[< 0.076]	不検出[< 0.074]		
20	長野県(長野市) [Nagano] [Nagano]	不検出[< 0.042]	不検出[< 0.050]	不検出[< 0.045]		
21	岐阜県(各務原市) [Gifu] [Kakamigahara]	不検出[< 0.077]	不検出[< 0.064]	不検出[< 0.049]		
22	静岡県(牧之原市) [Shizuoka] [Makinohara]	不検出[< 0.095]	不検出[< 0.056]	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[< 0.036]		
24	三重県(四日市市) [Mie] [Yokkaichi]	不検出[< 0.22]	不検出[< 0.051]	不検出[< 0.038]		
25	滋賀県(大津市) [Shiga] [Otsu]	不検出[< 0.37]	不検出[< 0.076]	不検出[< 0.061]		
26	京都府(京都市) [Kyoto] [Kyoto]	不検出[< 0.13]	不検出[< 0.042]	不検出[< 0.038]		
27	大阪府(大阪市) [Osaka] [Osaka]	不検出[< 0.054]	不検出[< 0.035]	不検出[< 0.035]		
28	兵庫県(加古川市) [Hyogo] [Kakogawa]	不検出[< 0.053]	不検出[< 0.049]	不検出[< 0.043]		
29	奈良県(桜井市) [Nara] [Sakurai]	不検出[< 0.29]	不検出[< 0.057]	不検出[< 0.053]		
30	和歌山県(和歌山市) [Wakayama] [Wakayama]	不検出[< 0.32]	不検出[< 0.071]	不検出[< 0.065]		
31	鳥取県(東伯郡) [Tottori] [Touhaku]	不検出[< 0.062]	不検出[< 0.055]	不検出[< 0.046]		
32	島根県(松江市) [Shimane] [Matsue]	不検出[< 0.28]	不検出[< 0.040]	不検出[< 0.030]		
33	岡山県(岡山市) [Okayama] [Okayama]	不検出[< 0.14]	不検出[< 0.038]	不検出[< 0.032]		
34	広島県(広島市) [Hiroshima] [Hiroshima]	不検出[< 0.18]	不検出[< 0.059]	不検出[< 0.051]		
35	山口県(山口市) [Yamaguchi] [Yamaguchi]	不検出[< 0.24]	不検出[< 0.072]	不検出[< 0.063]		
36	徳島県(徳島市) [Tokushima] [Tokushima]	不検出[< 0.23]	不検出[< 0.061]	不検出[< 0.053]		
37	香川県(高松市) [Kagawa] [Takamatsu]	不検出[< 0.11]	不検出[< 0.071]	不検出[< 0.061]		
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[< 0.15]	不検出[< 0.044]	不検出[< 0.040]		
40	福岡県(太宰府市) [Fukuoka] [Dazaifu]	不検出[< 0.11]	不検出[< 0.054]	不検出[< 0.043]		
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[< 0.24]	不検出[< 0.050]	不検出[< 0.044]		
43	熊本県(宇土市) [Kumamoto] [Uto]	不検出[< 0.066]	不検出[< 0.036]	不検出[< 0.035]		
44	大分県(大分市) [Oita] [Oita]	不検出[< 0.30]	不検出[< 0.050]	不検出[< 0.045]		
45	宮崎県(宮崎市) [Miyazaki] [Miyazaki]	不検出[< 0.40]	不検出[< 0.070]	不検出[< 0.050]		
46	鹿児島県(鹿児島市) [Kagoshima] [Kagoshima]	不検出[< 0.40]	不検出[< 0.061]	不検出[< 0.069]		
47	沖縄県(うるま市) [Okinawa] [Uruma]	不検出[< 0.15]	不検出[< 0.048]	不検出[< 0.043]		

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の状況により、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10月分 [Oct, 2019]）

2019.11.29 [Nov 29, 2019], 2019.12.6追加 [Additional date on Dec 6, 2019], 2019.12.13追加 [Additional date on Dec 13, 2019]

MBq/km^2・月 [MBq/km^2・month]

	都道府県名 [Prefecture] [City]	月間降下物 [Fallout] 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]	備考 [Remarks]
1	北海道（札幌市） [Hokkaido] [Sapporo]	不検出[< 0.35]	不検出[< 0.052]	不検出[< 0.047]		
2	青森県(青森市) [Aomori] [Aomori]	不検出[< 0.20]	不検出[< 0.062]	不検出[< 0.053]		
3	岩手県(盛岡市) [Iwate] [Morioka]	不検出[< 1.25]	不検出[< 0.056]	不検出[< 0.047]		
4	宮城県(仙台市) [Miyagi] [Sendai]	不検出[< 0.31]	不検出[< 0.053]	0.27		
5	秋田県(秋田市) [Akita] [Akita]	不検出[< 0.37]	不検出[< 0.060]	不検出[< 0.055]		
6	山形県(山形市) [Yamagata] [Yamagata]	不検出[< 0.18]	不検出[< 0.054]	0.10		
7	福島県(福島市) [Fukushima] [Fukushima]	不検出[< 0.29]	0.28	3.8		
8	茨城県(ひたちなか市) [Ibaraki] [Hitachinaka]	不検出[< 1.3]	不検出[< 0.12]	1.1		
9	栃木県(宇都宮市) [Tochigi] [Utsunomiya]	不検出[< 0.91]	不検出[< 0.065]	0.32		
10	群馬県(前橋市) [Gunma] [Maebashi]	不検出[< 0.26]	不検出[< 0.071]	0.27		
11	埼玉県（比企郡） [Saitama][Hiki]	不検出[< 0.28]	不検出[< 0.083]	0.11		
12	千葉県(市原市) [Chiba] [Ichihara]	不検出[< 0.45]	不検出[< 0.056]	0.16		
13	東京都(新宿区) [Tokyo] [Shinjuku]	不検出[< 0.21]	0.039	0.50		
14	神奈川県(茅ヶ崎市) [Kanagawa] [Chigasaki]	不検出[< 0.27]	不検出[< 0.025]	0.16		
15	新潟県(新潟市) [Niigata] [Niigata]	不検出[< 0.27]	不検出[< 0.052]	不検出[< 0.044]		
16	富山県(射水市) [Toyama] [Imizu]	不検出[< 0.17]	不検出[< 0.035]	不検出[< 0.030]		
17	石川県(金沢市) [Ishikawa] [Kanazawa]	不検出[< 0.30]	不検出[< 0.042]	不検出[< 0.033]		
18	福井県(福井市) [Fukui] [Fukui]	不検出[< 0.32]	不検出[< 0.060]	不検出[< 0.046]		
19	山梨県(甲府市) [Yamanashi] [Kofu]	不検出[< 1.7]	不検出[< 0.080]	不検出[< 0.075]		
20	長野県(長野市) [Nagano] [Nagano]	不検出[< 0.079]	不検出[< 0.047]	0.057		
21	岐阜県(各務原市) [Gifu] [Kakamigahara]	不検出[< 0.24]	不検出[< 0.070]	不検出[< 0.097]		
22	静岡県(牧之原市) [Shizuoka] [Makinohara]	不検出[< 0.02]	不検出[< 0.059]	不検出[< 0.041]		
23	愛知県(名古屋市) [Aichi] [Nagoya]	不検出[< 0.22]	不検出[< 0.048]	不検出[< 0.037]		
24	三重県(四日市市) [Mie] [Yokkaichi]	不検出[< 0.29]	不検出[< 0.045]	不検出[< 0.045]		
25	滋賀県(大津市) [Shiga] [Otsu]	不検出[< 0.32]	不検出[< 0.065]	不検出[< 0.053]		
26	京都府(京都市) [Kyoto] [Kyoto]	不検出[< 0.21]	不検出[< 0.042]	不検出[< 0.036]		
27	大阪府(大阪市) [Osaka] [Osaka]	不検出[< 0.076]	不検出[< 0.040]	不検出[< 0.041]		
28	兵庫県(加古川市) [Hyogo] [Kakogawa]	不検出[< 0.073]	不検出[< 0.046]	不検出[< 0.040]		
29	奈良県(桜井市) [Nara] [Sakurai]	不検出[< 0.72]	不検出[< 0.058]	不検出[< 0.050]		
30	和歌山県(和歌山市) [Wakayama] [Wakayama]	**不検出[< 0.11]**	**不検出[< 0.072]**	**不検出[< 0.064]**		**測定中であったが到着 [Measurements arrived,though it had delayed.]**
31	鳥取県(東伯郡) [Tottori] [Touhaku]	不検出[< 0.11]	不検出[< 0.060]	不検出[< 0.050]		
32	島根県(松江市) [Shimane] [Matsue]	不検出[< 0.26]	不検出[< 0.040]	不検出[< 0.030]		
33	岡山県(岡山市) [Okayama] [Okayama]	不検出[< 0.10]	不検出[< 0.037]	不検出[< 0.032]		
34	広島県(広島市) [Hiroshima] [Hiroshima]	不検出[< 0.25]	不検出[< 0.060]	不検出[< 0.053]		
35	山口県(山口市) [Yamaguchi] [Yamaguchi]	不検出[< 0.38]	不検出[< 0.068]	不検出[< 0.065]		
36	徳島県(徳島市) [Tokushima] [Tokushima]	不検出[< 0.31]	不検出[< 0.066]	不検出[< 0.053]		
37	香川県(高松市) [Kagawa] [Takamatsu]	不検出[< 0.20]	不検出[< 0.078]	不検出[< 0.060]		
38	愛媛県(松山市) [Ehime] [Matsuyama]	不検出[< 0.10]	不検出[< 0.060]	不検出[< 0.040]		
39	高知県(高知市) [Kochi] [Kochi]	不検出[< 0.27]	不検出[< 0.049]	不検出[< 0.043]		
40	福岡県(太宰府市) [Fukuoka] [Dazaifu]	不検出[< 0.20]	不検出[< 0.053]	不検出[< 0.043]		
41	佐賀県(佐賀市) [Saga] [Saga]	不検出[< 0.14]	不検出[< 0.054]	不検出[< 0.045]		
42	長崎県(大村市) [Nagasaki] [Omura]	不検出[< 0.41]	不検出[< 0.044]	不検出[< 0.043]		
43	熊本県(宇土市) [Kumamoto] [Uto]	不検出[< 0.10]	不検出[< 0.037]	不検出[< 0.031]		
44	大分県(大分市) [Oita] [Oita]	不検出[< 0.50]	不検出[< 0.051]	不検出[< 0.043]		
45	宮崎県(宮崎市) [Miyazaki] [Miyazaki]	不検出[< 0.10]	不検出[< 0.070]	不検出[< 0.050]		
46	鹿児島県(鹿児島市) [Kagoshima] [Kagoshima]	不検出[< 0.40]	不検出[< 0.067]	不検出[< 0.061]		
47	沖縄県(うるま市) [Okinawa] [Uruma]	不検出[< 0.049]	不検出[< 0.040]	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の状況により、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11月分 [Nov, 2019]）

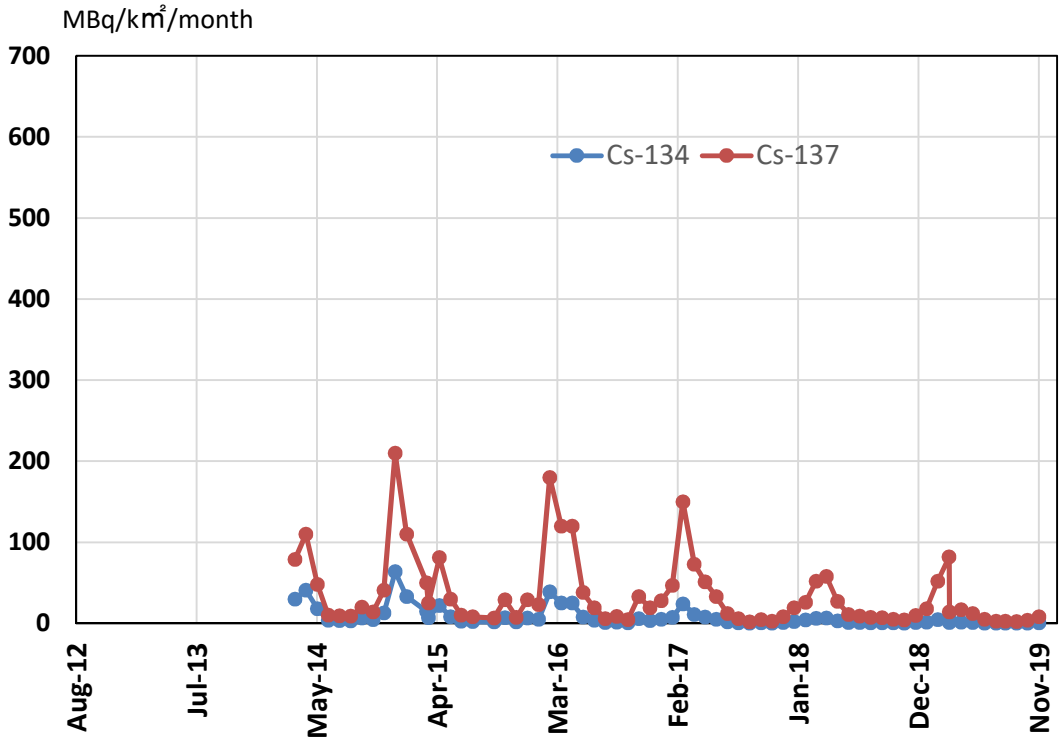
2019.12.27 [Dec 27, 2019]

MBq/km^2・月 [MBq/km^2・month]

	都道府県名 [Prefecture] [City]	月間降下物 [Fallout]				
		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]	備考 [Remarks]
1	北海道（札幌市） [Hokkaido] [Sapporo]	不検出[< 0.14]	不検出[< 0.055]	不検出[< 0.045]		
2	青森県(青森市) [Aomori] [Aomori]	不検出[< 0.13]	不検出[< 0.059]	不検出[< 0.053]		
3	岩手県(盛岡市) [Iwate] [Morioka]	不検出[< 0.66]	不検出[< 0.062]	0.072		
4	宮城県(仙台市) [Miyagi] [Sendai]	不検出[< 0.15]	不検出[< 0.053]	0.45		
5	秋田県(秋田市) [Akita] [Akita]	不検出[< 0.28]	不検出[< 0.062]	不検出[< 0.053]		
6	山形県(山形市) [Yamagata] [Yamagata]	不検出[< 0.12]	不検出[< 0.061]	0.10		
7	福島県(福島市) [Fukushima] [Fukushima]	不検出[< 0.22]	0.58	8.0		
8	茨城県(ひたちなか市) [Ibaraki] [Hitachinaka]	不検出[< 0.50]	不検出[< 0.11]	0.32		
9	栃木県(宇都宮市) [Tochigi] [Utsunomiya]	不検出[< 0.37]	不検出[< 0.061]	0.13		
10	群馬県(前橋市) [Gunma] [Maebashi]	不検出[< 0.10]	不検出[< 0.070]	0.44		
11	埼玉県（比企郡） [Saitama][Hiki]	不検出[< 0.15]	不検出[< 0.082]	0.085		
12	千葉県(市原市) [Chiba] [Ichihara]	不検出[< 0.18]	不検出[< 0.054]	0.16		
13	東京都(新宿区) [Tokyo] [Shinjuku]	不検出[< 0.095]	不検出[< 0.037]	0.26		
14	神奈川県(茅ヶ崎市) [Kanagawa] [Chigasaki]	不検出[< 0.14]	不検出[< 0.047]	0.15		
15	新潟県(新潟市) [Niigata] [Niigata]	不検出[< 0.23]	不検出[< 0.052]	不検出[< 0.039]		
16	富山県(射水市) [Toyama] [Imizu]	不検出[< 0.12]	不検出[< 0.037]	不検出[< 0.035]		
17	石川県(金沢市) [Ishikawa] [Kanazawa]	不検出[< 0.39]	不検出[< 0.045]	不検出[< 0.035]		
18	福井県(福井市) [Fukui] [Fukui]	不検出[< 0.15]	不検出[< 0.061]	不検出[< 0.044]		
19	山梨県(甲府市) [Yamanashi] [Kofu]	不検出[< 0.59]	不検出[< 0.076]	不検出[< 0.071]		
20	長野県(長野市) [Nagano] [Nagano]	不検出[< 0.049]	不検出[< 0.045]	不検出[< 0.042]		
21	岐阜県(各務原市) [Gifu] [Kakamigahara]	不検出[< 0.13]	不検出[< 0.058]	不検出[< 0.052]		
22	静岡県(牧之原市) [Shizuoka] [Makinohara]	不検出[< 0.16]	不検出[< 0.045]	不検出[< 0.037]		
23	愛知県(名古屋市) [Aichi] [Nagoya]	不検出[< 0.12]	不検出[< 0.049]	不検出[< 0.039]		
24	三重県(四日市市) [Mie] [Yokkaichi]	不検出[< 0.096]	不検出[< 0.044]	不検出[< 0.037]		
25	滋賀県(大津市) [Shiga] [Otsu]	不検出[< 0.20]	不検出[< 0.064]	不検出[< 0.056]		
26	京都府(京都市) [Kyoto] [Kyoto]	不検出[< 0.11]	不検出[< 0.041]	不検出[< 0.036]		
27	大阪府(大阪市) [Osaka] [Osaka]	不検出[< 0.068]	不検出[< 0.038]	不検出[< 0.036]		
28	兵庫県(加古川市) [Hyogo] [Kakogawa]	不検出[< 0.086]	不検出[< 0.046]	不検出[< 0.041]		
29	奈良県(桜井市) [Nara] [Sakurai]	不検出[< 0.31]	不検出[< 0.056]	不検出[< 0.050]		
30	和歌山県(和歌山市) [Wakayama] [Wakayama]	不検出[< 0.25]	不検出[< 0.070]	不検出[< 0.063]		
31	鳥取県(東伯郡) [Tottori] [Touhaku]	不検出[< 0.17]	不検出[< 0.059]	不検出[< 0.051]		
32	島根県(松江市) [Shimane] [Matsue]	不検出[< 0.16]	不検出[< 0.040]	不検出[< 0.030]		
33	岡山県(岡山市) [Okayama] [Okayama]	不検出[< 0.053]	不検出[< 0.038]	不検出[< 0.034]		
34	広島県(広島市) [Hiroshima] [Hiroshima]	不検出[< 0.18]	不検出[< 0.060]	不検出[< 0.052]		
35	山口県(山口市) [Yamaguchi] [Yamaguchi]	不検出[< 0.25]	不検出[< 0.071]	不検出[< 0.065]		
36	徳島県(徳島市) [Tokushima] [Tokushima]	不検出[< 0.23]	不検出[< 0.065]	不検出[< 0.058]		
37	香川県(高松市) [Kagawa] [Takamatsu]	不検出[< 0.095]	不検出[< 0.068]	不検出[< 0.061]		
38	愛媛県(松山市) [Ehime] [Matsuyama]	不検出[< 0.090]	不検出[< 0.040]	不検出[< 0.040]		
39	高知県(高知市) [Kochi] [Kochi]	不検出[< 0.14]	不検出[< 0.047]	不検出[< 0.041]		
40	福岡県(太宰府市) [Fukuoka] [Dazaifu]	不検出[< 0.17]	不検出[< 0.057]	不検出[< 0.040]		
41	佐賀県(佐賀市) [Saga] [Saga]	不検出[< 0.10]	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[< 0.055]	不検出[< 0.041]		
43	熊本県(宇土市) [Kumamoto] [Uto]	不検出[< 0.083]	不検出[< 0.040]	不検出[< 0.034]		
44	大分県(大分市) [Oita] [Oita]	不検出[< 0.25]	不検出[< 0.047]	不検出[< 0.044]		
45	宮崎県(宮崎市) [Miyazaki] [Miyazaki]	不検出[< 0.15]	不検出[< 0.066]	不検出[< 0.057]		
46	鹿児島県(鹿児島市) [Kagoshima] [Kagoshima]	不検出[< 0.51]	不検出[< 0.067]	不検出[< 0.060]		
47	沖縄県(うるま市) [Okinawa] [Uruma]	不検出[< 0.082]	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の状況により、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㈱の発表をもとに作成※1）
試料採取日：令和元年11月18日

Radioactivity concentration in the seawater near Fukushima Dai-ichi NPP
(Based on the press release of TEPCO※1)
Sampling Date: Nov 18, 2019

令和元年12月24日
Dec 24, 2019

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)

		Cs-134	Cs-137	H-3	全α (gross α)	全β (gross β)	Sr-90	Pu-238	Pu-239+240	
T-1	2019/8/5 7:50	0.012	0.17	2.7	ND(2.9)	12	0.0047			O
	2019/8/12 7:00	0.0043	0.053							O
	2019/8/19 7:55	0.0081	0.12							O
	2019/8/26 7:35	0.0071	0.10							O
	2019/9/2 7:55	0.0040	0.061	ND(0.84)	ND(2.2)	12	0.0021			O
	2019/9/9 7:55	0.0068	0.11							O
	2019/9/16 7:40	0.0058	0.084							O
	2019/9/23 7:30	0.0045	0.070							O
	2019/9/30 6:30	0.0045	0.067							O
	2019/10/7 8:20	0.0036	0.052	ND(0.83)	ND(1.9)	11	0.0014	ND(0.0000064)	ND(0.0000064)	O
	2019/10/16 7:15	0.013	0.19							O
	2019/10/21 7:40	0.012	0.18							O
	2019/10/29 8:10	0.019	0.27							O
	2019/11/4 8:05	0.0062	0.085	ND(0.84)	ND(2.3)	12	0.0027			O
	2019/11/11 9:45	0.023	0.33							O
	2019/11/18 7:45	**0.020**	**0.30**							O
T-2	2019/8/5 6:50	0.0035	0.051	ND(0.96)	ND(2.7)	12	0.0012			O
	2019/8/12 7:45	0.0059	0.078							O
	2019/8/19 7:05	0.0025	0.038							O
	2019/8/26 6:50	0.0027	0.037							O
	2019/9/2 6:50	0.0026	0.038	ND(0.83)	ND(2.2)	9.3	0.0015			O
	2019/9/9 7:05	0.0030	0.049							O
	2019/9/16 7:00	0.0024	0.042							O
	2019/9/23 6:50	0.0046	0.072							O
	2019/9/30 7:00	0.0022	0.036							O
	2019/10/7 7:00	0.0031	0.050	ND(0.83)	ND(2.4)	12	0.0022	ND(0.0000064)	ND(0.0000064)	O
	2019/10/16 8:05	0.010	0.15							O
	2019/10/21 7:00	0.0073	0.11							O
	2019/10/29 7:20	0.012	0.17							O
	2019/11/4 7:15	0.0066	0.10	ND(0.84)	ND(2.2)	13	0.011			O
	2019/11/11 8:45	0.0056	0.093							O
	2019/11/18 7:05	**0.0053**	**0.080**							O

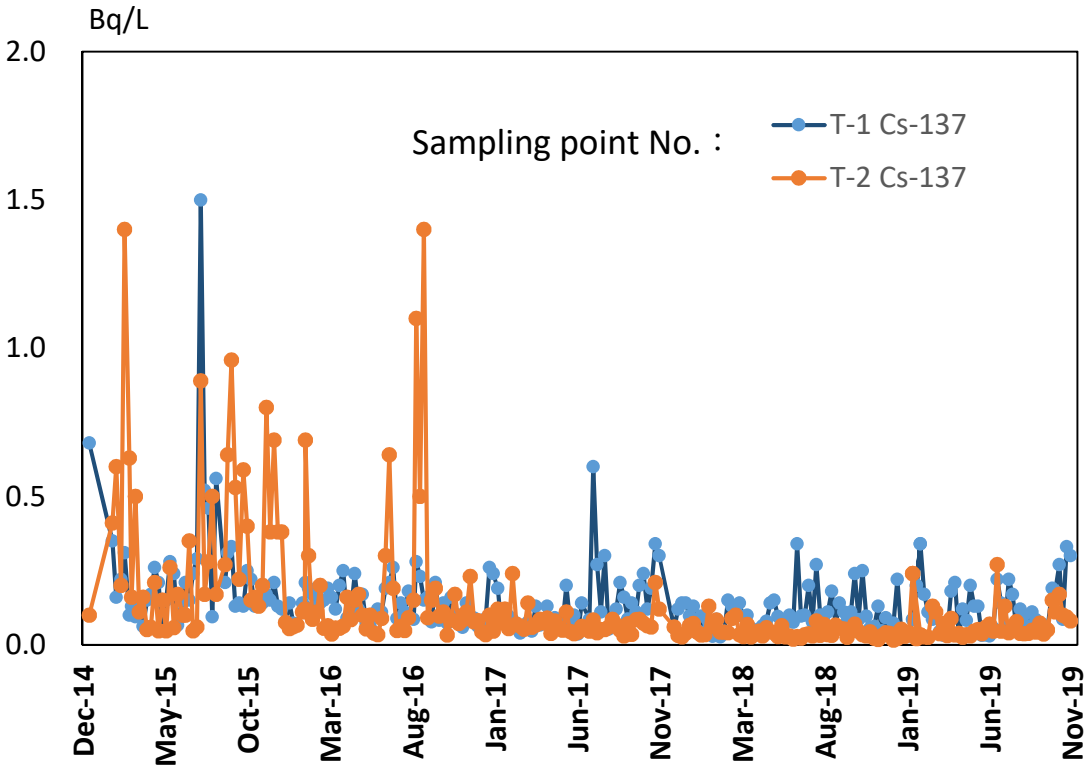
O：上層（表層～2m） Outer Layer

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

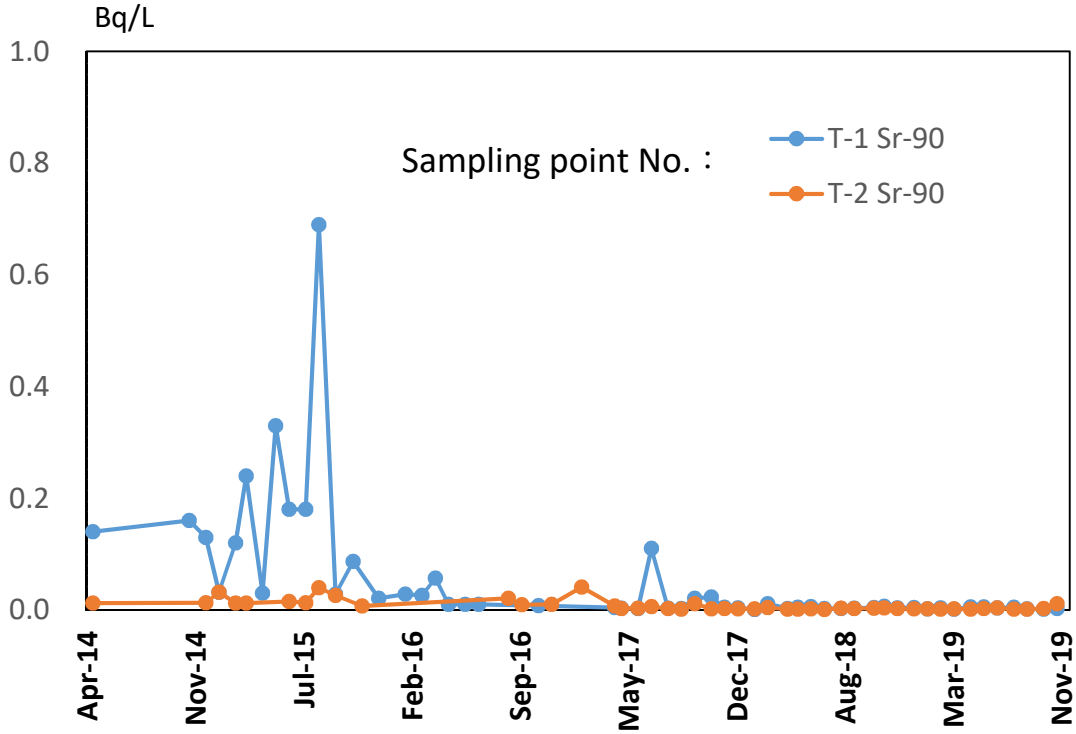
※1 東京電力ホールディングス㈱の発表(http://www.tepco.co.jp/decommision/planaction/monitoring/index-j.html)
※1 Press release of TEPCO (http://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/index-e.html)

※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9月5日、6日、10月2日、3日
(Sampling Date: Sep 5, 6, Oct 2, 3, 2019)

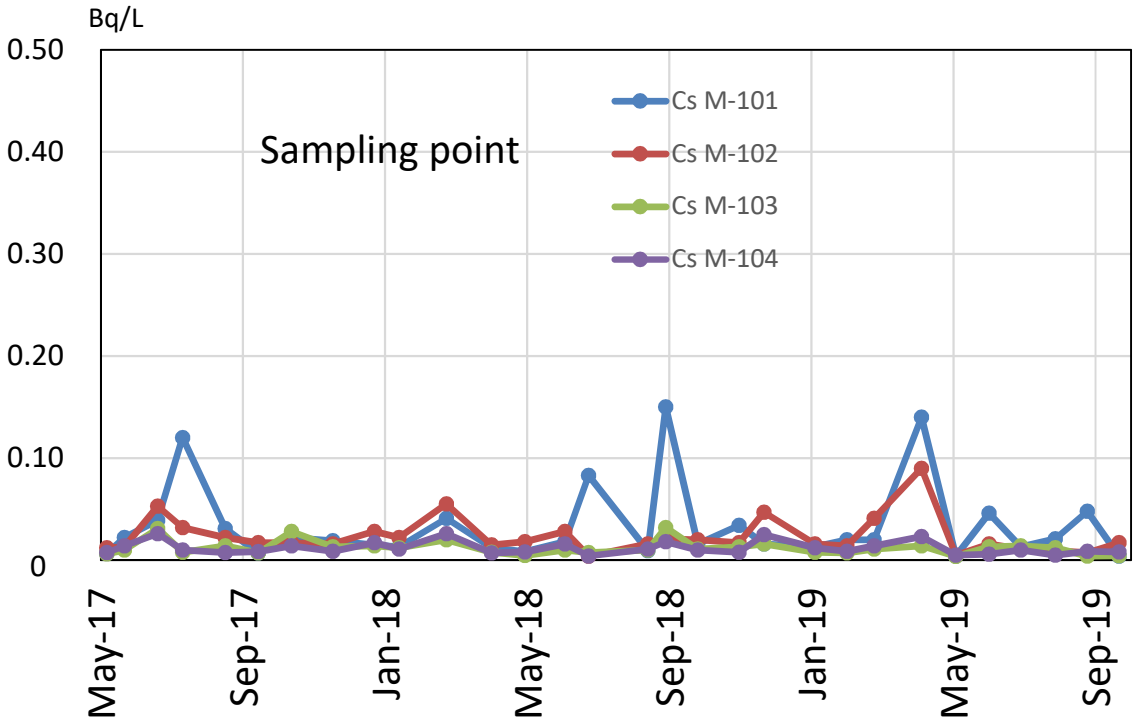
令和元年12月17日
Dec 17, 2019
原 子 力 規 制 委 員 会
Nuclear Regulation Authority (NRA)

			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	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	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**		
M-102	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	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**		
M-103	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	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**		
M-104	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	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**		

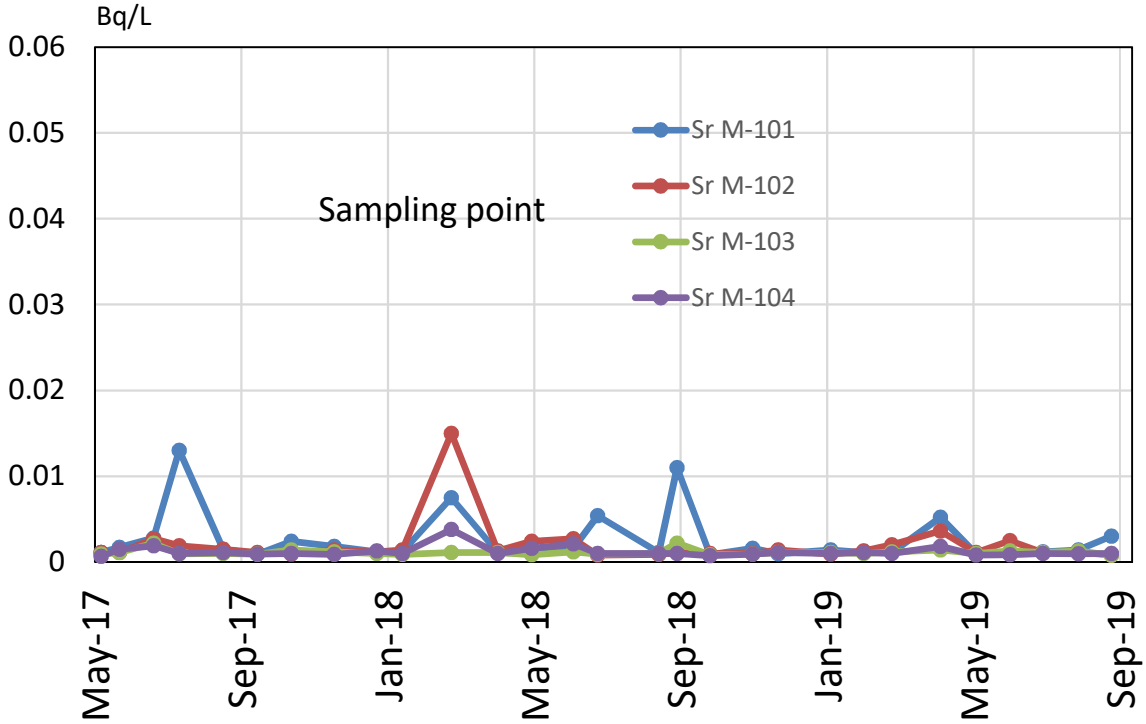
※ NDの記載は、海水の放射性物質濃度の検出値が検出下限値を下回る場合。
※ ND indicates the case that the detected radioactivity concentration in seawater was lower than the detection limits.

*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)

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)

	採取日 Sampling date	Cs-134	Cs-137	H-3	全β Gross β	Sr-90	Pu-238	Pu-239+240
南放水口付近 F-P01	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
	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
北放水口付近 F-P02	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
	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
取水口付近 F-P03	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
	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
第一（発）沖合 2km F-P04	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
	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

※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

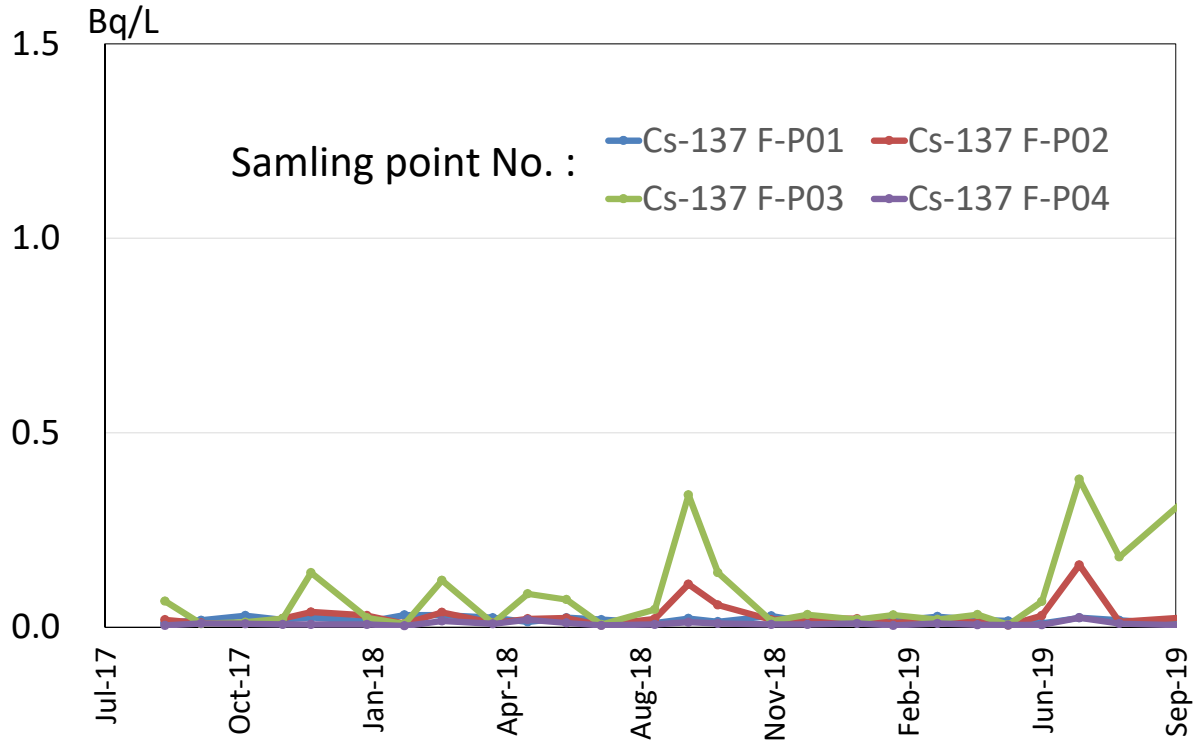
福島第一原子力発電所沿岸海域の海水の放射性物質濃度測定結果
（福島県の発表をもとに作成※1）

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

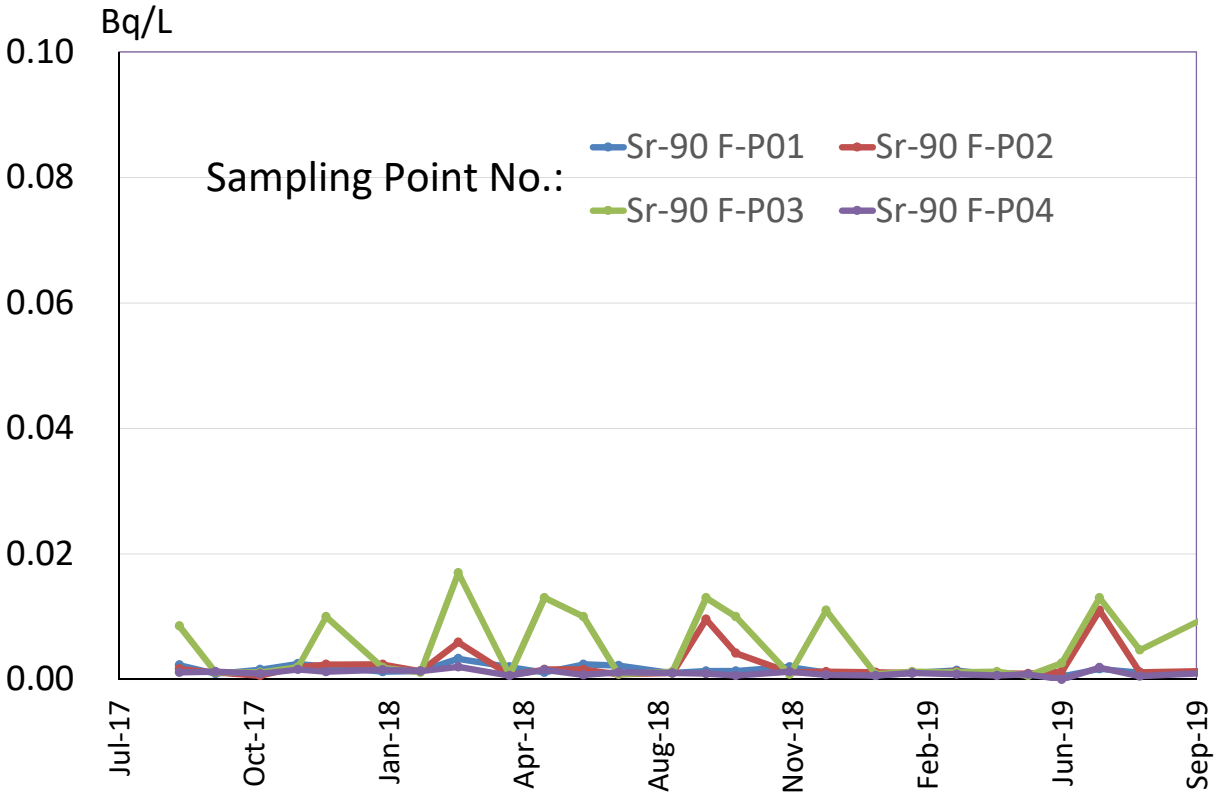
	採取日 Sampling date	Cs-134	Cs-137	H-3	全β Gross β	Sr-90	Pu-238	Pu-239+240
	放射性物質濃度（検出下限値）（Bq/L）（ND※2：不検出） Radioactivity concentration (Lower detection limit) (Bq/L) (ND※2 : Not Detectable)							
夫沢・熊川沖2km（大熊町）(F-P05)	2018/8/19	ND	0.007	ND	0.02	0.001	ND	ND
	2018/9/13	ND	0.020	ND	ND	0.0012	ND	ND
	2018/10/5	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
	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
前田川沖2km（双葉町）(F-P06)	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
	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

※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)

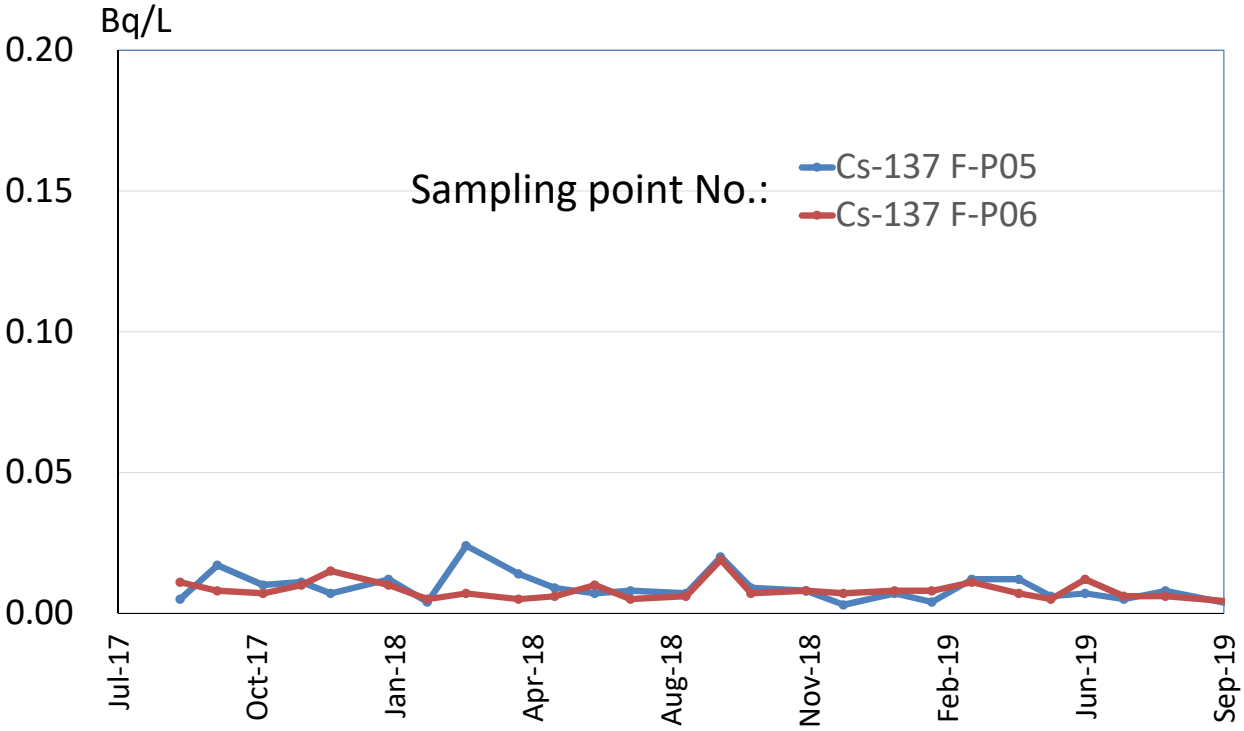
※2 NDの記載は、海水の放射性物質濃度の検出値が検出下限値を下回る場合。
※2 ND indicates the case that the detected radioactivity concentration in seawater was lower than the detection



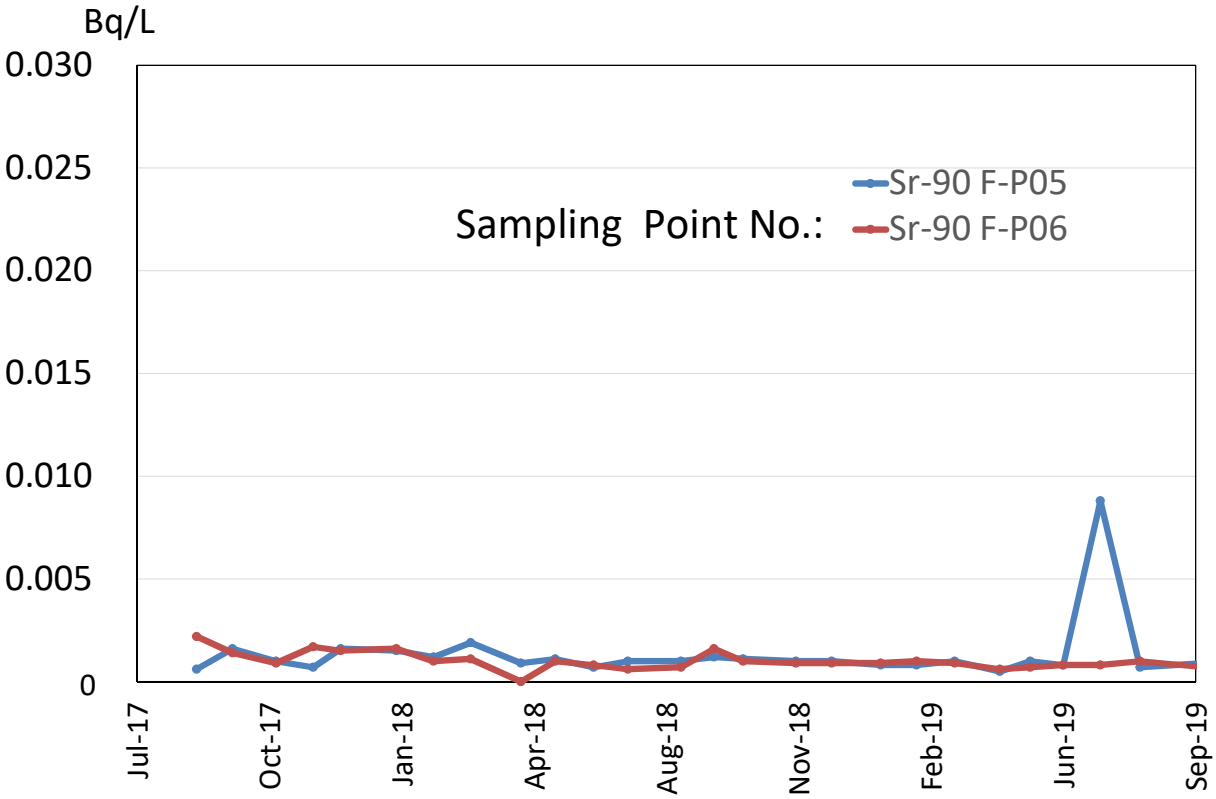
Concentration ranges of Cs-137 in sea-water near
the Fukushima Daiichi NPS surveyed by Fukushima prefecture



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



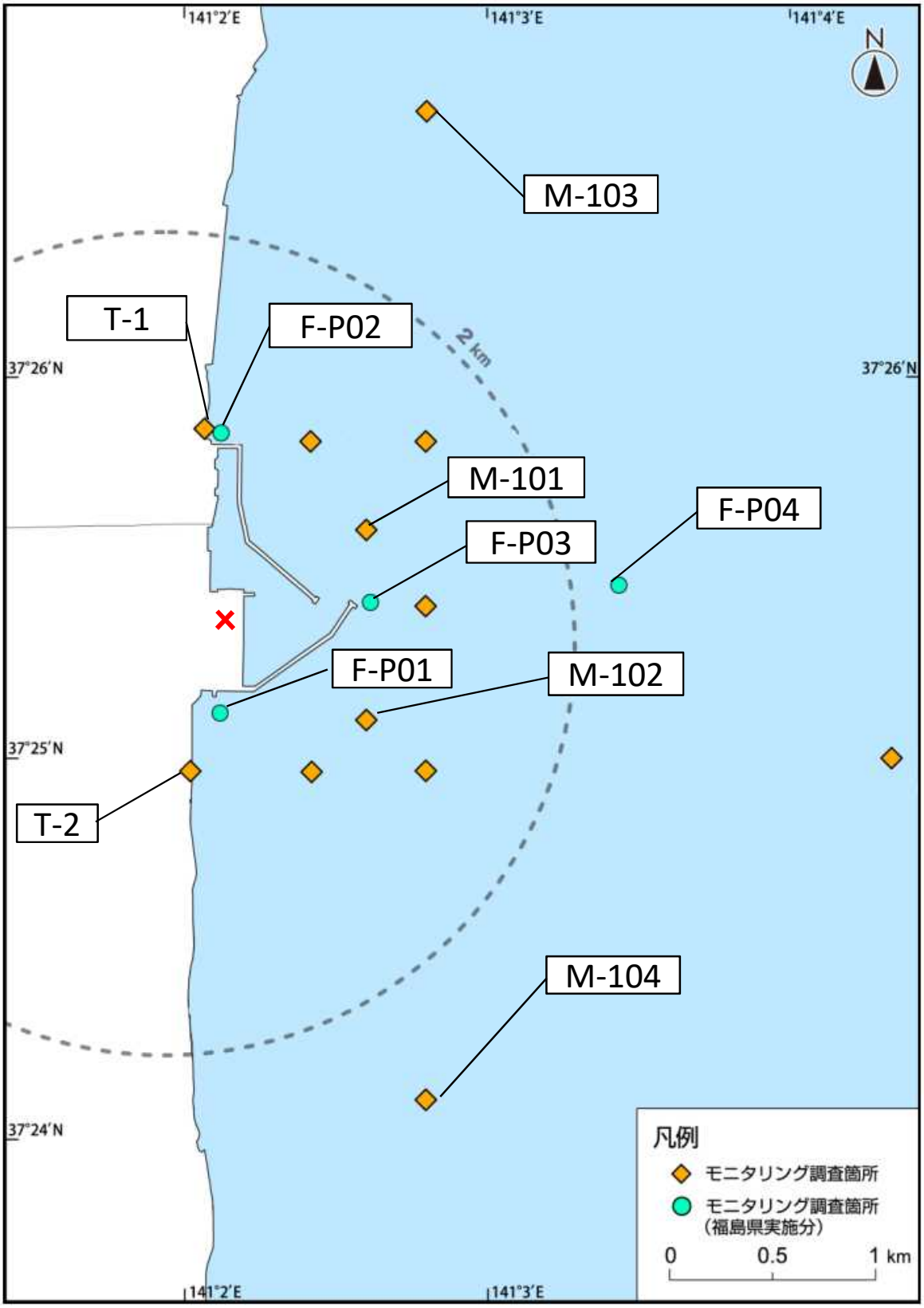
Concentration ranges of Cs-137 in sea-water around
the Fukushima Daiichi NPS surveyed by Fukushima prefecture



Concentration ranges of Sr-90 in sea-water around
the Fukushima Daiichi NPS surved 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 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11月5日、7日、19日、21日、22日

Radioactivity concentration in the seawater around Fukushima Dai-ichi NPP
(Based on the press release of TEPCO※1)
Sampling Date: Nov 5, 7, 19, 21, 22, 2019

令和元年12月24日
Dec 24, 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-3	2019/8/6 11:25	0.0021	0.026	ND(0.34)		ND(19)				O
	2019/8/13 10:55	0.0023	0.033							O
	2019/8/20 10:55	ND(0.0013)	0.016	ND(0.34)		ND(14)				O
	2019/8/27 10:35	0.0013	0.023							O
	2019/9/3 13:55	0.0023	0.026	ND(0.38)		ND(15)				O
	2019/9/10 14:20	0.0021	0.027							O
	2019/9/17 14:00	0.0022	0.027	ND(0.31)		ND(15)				O
	2019/9/24 11:10	0.0019	0.021							O
	2019/10/1 11:35	0.0017	0.024	ND(0.32)		ND(15)				O
	2019/10/8 11:35	0.0023	0.025							O
	2019/10/15 14:35	0.016	0.22	0.40		ND(13)				O
	2019/10/23 11:05	0.012	0.19							O
	2019/10/29 14:50	0.015	0.22							O
	2019/11/5 11:35	0.0089	0.13	0.32		ND(14)				O
	2019/11/12 14:15	0.0058	0.078							O
	2019/11/19 11:40	**0.0076**	**0.12**							O
T-4	2019/8/6 14:00	ND(0.0013)	0.010							O
	2019/8/13 14:30	0.0018	0.021							O
	2019/8/20 13:40	ND(0.0014)	0.010							O
	2019/8/27 14:20	ND(0.0014)	0.0098							O
	2019/9/3 8:35	ND(0.0014)	0.010							O
	2019/9/10 9:55	ND(0.0010)	0.014							O
	2019/9/17 11:10	ND(0.0012)	0.013							O
	2019/9/24 13:50	ND(0.0011)	0.0093							O
	2019/10/1 15:15	ND(0.0012)	0.010							O
	2019/10/8 13:45	ND(0.0013)	0.018							O
	2019/10/15 11:10	0.010	0.14							O
	2019/10/23 14:15	0.0086	0.12							O
	2019/10/29 11:10	0.013	0.18							O
	2019/11/5 14:05	0.0022	0.037							O
	2019/11/12 11:10	0.0023	0.035							O
	2019/11/19 14:20	**0.0018**	**0.029**							O
T-6	2019/8/6 9:35	0.0019	0.023	ND(0.36)		ND(16)				O
	2019/8/13 9:15	0.0016	0.020							O
	2019/8/20 9:20	ND(0.00098)	0.012	0.36		ND(13)				O
	2019/8/27 8:55	ND(0.0013)	0.011							O
	2019/9/3 9:55	ND(0.0014)	0.0073	0.55		ND(13)				O
	2019/9/10 11:20	0.0014	0.026							O
	2019/9/17 9:50	0.0018	0.027	ND(0.34)		ND(15)				O
	2019/9/24 9:45	ND(0.0013)	0.013							O
	2019/10/1 10:10	ND(0.0013)	0.014	ND(0.35)		ND(13)				O
	2019/10/8 10:05	ND(0.0012)	0.010							O
	2019/10/15 9:55	0.019	0.26	0.40		ND(15)				O
	2019/10/23 9:30	0.024	0.32							O
	2019/10/29 9:45	0.0047	0.072							O
	2019/11/5 9:30	0.0048	0.071	ND(0.30)		ND(15)				O
	2019/11/12 9:45	0.0059	0.093							O
	2019/11/19 10:00	**0.0055**	**0.073**							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/decommision/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	2019/8/6 7:23	ND(0.0012)	0.0018	0.40	ND(2.4)	ND(14)	0.0011			O
		ND(0.0013)	0.0017							L
	2019/8/17 7:30	ND(0.0012)	0.0027							O
		ND(0.0013)	0.0022							L
	2019/8/20 7:12	ND(0.0013)	0.0030	ND(0.35)		ND(15)				O
		ND(0.0014)	0.0022							L
	2019/8/27 7:18	ND(0.0013)	0.0020							O
		ND(0.0012)	0.0020							L
	2019/9/4 7:26	ND(0.0012)	0.0021	ND(0.27)	ND(2.5)	ND(15)	0.0020			O
		ND(0.0013)	0.0025							L
	2019/9/11 7:10	ND(0.0014)	0.0093							O
		ND(0.0013)	0.0025							L
	2019/9/18 7:18	ND(0.0014)	0.0018	ND(0.35)		ND(15)				O
		ND(0.0012)	0.0027							L
	2019/9/26 7:17	ND(0.0011)	0.0029							O
		ND(0.0013)	0.0011							L
	2019/10/1 8:01	ND(0.0012)	0.0018	0.59	ND(2.5)	ND(15)	0.0011			O
		ND(0.0013)	0.0022							L
	2019/10/10 7:12	ND(0.0010)	0.0020					ND(0.0000064)	ND(0.0000055)	O
		ND(0.0011)	0.0025							L
	2019/10/18 7:23	ND(0.0013)	0.0071	ND(0.35)		ND(16)				O
		ND(0.0013)	0.0022							L
	2019/10/26	悪天候により採取中止(No sample due to bad weather)								O
										L
	2019/11/1 7:16	ND(0.0012)	0.013							O
		ND(0.0012)	0.0023							L
	2019/11/5 7:25	ND(0.0014)	0.0033	**0.35**	**ND(2.2)**	**ND(11)**	**0.00091**			O
		ND(0.0012)	0.0019							L
	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**							O
		ND(0.0012)	**0.0027**							L
T-D1	2019/8/8 8:21	ND(0.0011)	0.0030	ND(0.36)	ND(2.6)	ND(16)	0.0011			O
		ND(0.0011)	0.0046							L
	2019/8/17 10:04	ND(0.0014)	0.0078							O
		ND(0.0014)	0.0039							L
	2019/8/20 7:45	ND(0.0012)	0.0053	ND(0.35)		ND(15)				O
		ND(0.0011)	0.0044							L
	2019/8/26 7:57	ND(0.0010)	0.0024							O
		ND(0.0010)	0.0049							L
	2019/9/2 8:20	ND(0.00097)	0.0029	0.37	ND(2.3)	ND(15)	0.0014			O
		ND(0.0010)	0.0012							L
	2019/9/11 7:58	ND(0.0011)	0.0051							O
		ND(0.0013)	0.0044							L
	2019/9/19 8:15	ND(0.0011)	0.0026	ND(0.39)		ND(13)				O
		ND(0.0012)	0.0033							L
	2019/9/25 7:55	ND(0.0013)	0.0054							O
		ND(0.0011)	0.0035							L
	2019/10/1 7:58	ND(0.0011)	0.0046	ND(0.39)	ND(2.2)	ND(15)	0.00082			O
		ND(0.0011)	0.0035							L
	2019/10/9 8:12	ND(0.0013)	0.0023					ND(0.0000070)	ND(0.0000064)	O
		ND(0.0013)	0.0038							L
	2019/10/16 8:37	0.0013	0.020	0.48		ND(13)				O
		0.0046	0.053							L
	2019/10/26	悪天候により採取中止(No sample due to bad weather)								O
										L
	2019/11/1 7:51	0.0031	0.054							O
		0.0048	0.061							L
	2019/11/7 5:35	0.0028	0.040	**0.47**	**ND(2.2)**	**ND(17)**	**0.0011**			O
		ND(0.0011)	0.014							L
	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**							O
		ND(0.0012)	**0.0059**							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

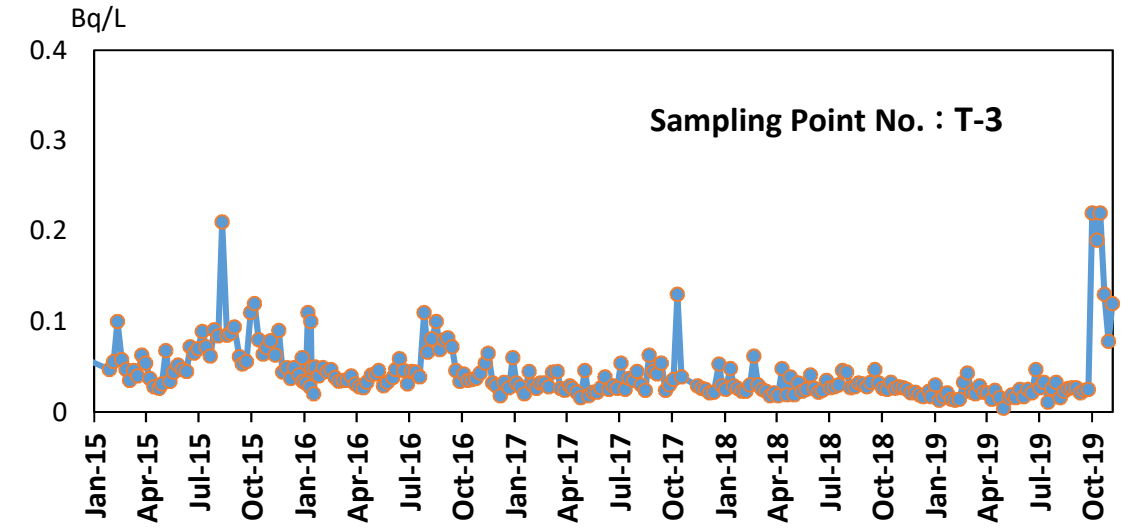
放射性物質濃度（検出下限値）（Bq/L）（ND※2：不検出）
Radioactivity concentration (Lower detection limit) (Bq/L) (ND※2 : Not Detectable)

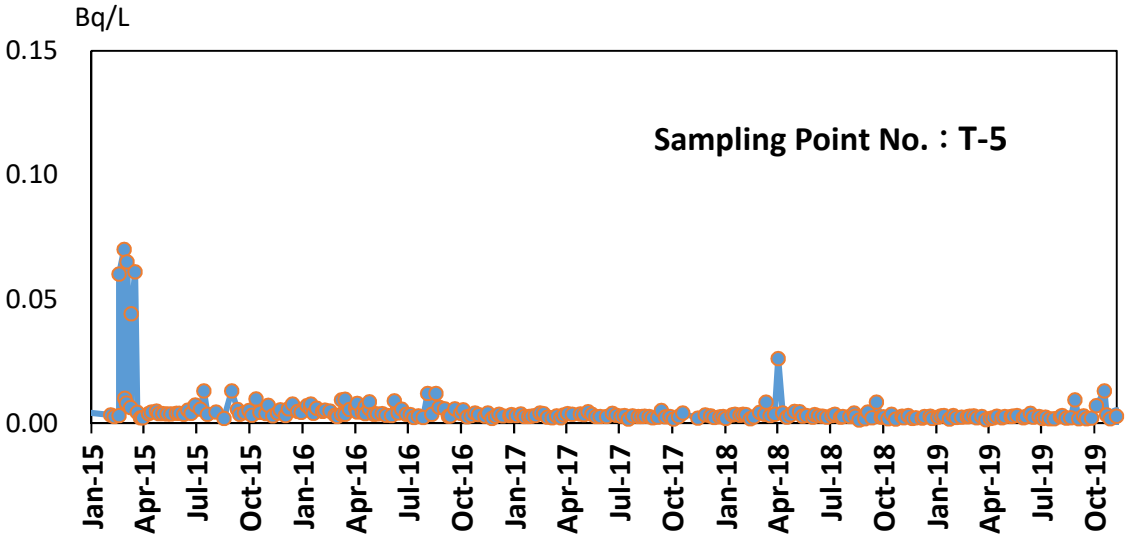
T-D5	2019/8/8 8:44	ND(0.0010)	0.0046	ND(0.36)	ND(2.6)	ND(16)	0.0013			O
		ND(0.0012)	0.0056							L
	2019/8/17 10:46	ND(0.0012)	0.0056							O
		ND(0.0011)	0.0036							L
	2019/8/20 8:17	ND(0.0013)	0.0039	ND(0.35)		ND(15)				O
		ND(0.0013)	0.0040							L
	2019/8/26 8:22	ND(0.0013)	0.0028							O
		ND(0.0012)	0.0039							L
	2019/9/2 8:47	ND(0.0012)	0.0031	ND(0.35)	ND(2.4)	ND(15)	0.0014			O
		ND(0.0013)	0.0021							L
	2019/9/11 8:26	ND(0.0014)	0.0074							O
		ND(0.0013)	0.0058							L
	2019/9/19 8:42	ND(0.0013)	0.0042	ND(0.38)		ND(13)				O
		ND(0.0013)	0.0041							L
	2019/9/25 8:20	ND(0.0011)	0.0031							O
		ND(0.0011)	0.0028							L
	2019/10/1 8:21	ND(0.0012)	0.0032	ND(0.39)	ND(2.2)	ND(15)	ND(0.00071)			O
		ND(0.0012)	0.0036							L
	2019/10/9 8:46	ND(0.0011)	0.0031					ND(0.0000081)	ND(0.0000073)	O
		ND(0.0010)	0.0041							L
	2019/10/16 9:05	0.0042	0.050	0.45		ND(13)				O
		0.0027	0.041							L
	2019/10/26	悪天候により採取中止(No sample due to bad weather)								O
										L
	2019/11/1 8:16	0.0036	0.056							O
		ND(0.0011)	0.0071							L
	2019/11/7 6:05	0.0015	0.019	**ND(0.33)**	**ND(2.2)**	**ND(17)**	**0.0011**			O
		ND(0.0011)	0.014							L
	2019/11/11 8:29	ND(0.0013)	0.016							O
		ND(0.0014)	0.014							L
	2019/11/21 8:15	**ND(0.0012)**	**0.013**							O
		ND(0.0014)	**0.012**							L
T-D9	2019/8/6 8:17	ND(0.0011)	0.010	ND(0.36)	ND(2.4)	ND(14)	0.00096			O
		ND(0.0010)	0.0038							L
	2019/8/17 8:28	ND(0.0012)	0.0047							O
		ND(0.0013)	0.0026							L
	2019/8/20 8:00	ND(0.0011)	0.0018	ND(0.35)		ND(15)				O
		ND(0.0012)	0.0042							L
	2019/8/27 8:04	ND(0.0011)	0.0027							O
		ND(0.0013)	0.0052							L
	2019/9/4 8:14	ND(0.0013)	0.0034	0.34	ND(2.5)	ND(15)	0.0014			O
		ND(0.0011)	0.0021							L
	2019/9/11 7:52	0.0017	0.019							O
		ND(0.0013)	0.0048							L
	2019/9/18 8:05	ND(0.0011)	0.0031	ND(0.36)		ND(15)				O
		ND(0.0013)	0.0022							L
	2019/9/26 8:08	ND(0.0012)	0.0022							O
		ND(0.0011)	0.0027							L
	2019/10/1 9:12	ND(0.00093)	0.0034	ND(0.39)	ND(2.5)	ND(15)	0.00092			O
		ND(0.0014)	0.0034							L
	2019/10/10 8:05	ND(0.0012)	0.0024					ND(0.0000070)	ND(0.0000067)	O
		ND(0.0013)	0.0040							L
	2019/10/18 8:09	ND(0.0013)	0.017	ND(0.35)		ND(16)				O
		0.0012	0.014							L
	2019/10/26	悪天候により採取中止(No sample due to bad weather)								O
										L
	2019/11/1 8:01	0.0041	0.055							O
		0.0011	0.014							L
	2019/11/5 8:16	0.0019	0.030	**0.57**	**ND(2.2)**	**ND(11)**	**0.0012**			O
		ND(0.0011)	0.011							L
	2019/11/11 8:01	ND(0.0011)	0.014							O
		0.0012	0.014							L
	2019/11/22 8:52	**ND(0.0011)**	**0.0094**							O
		ND(0.0012)	**0.010**							L

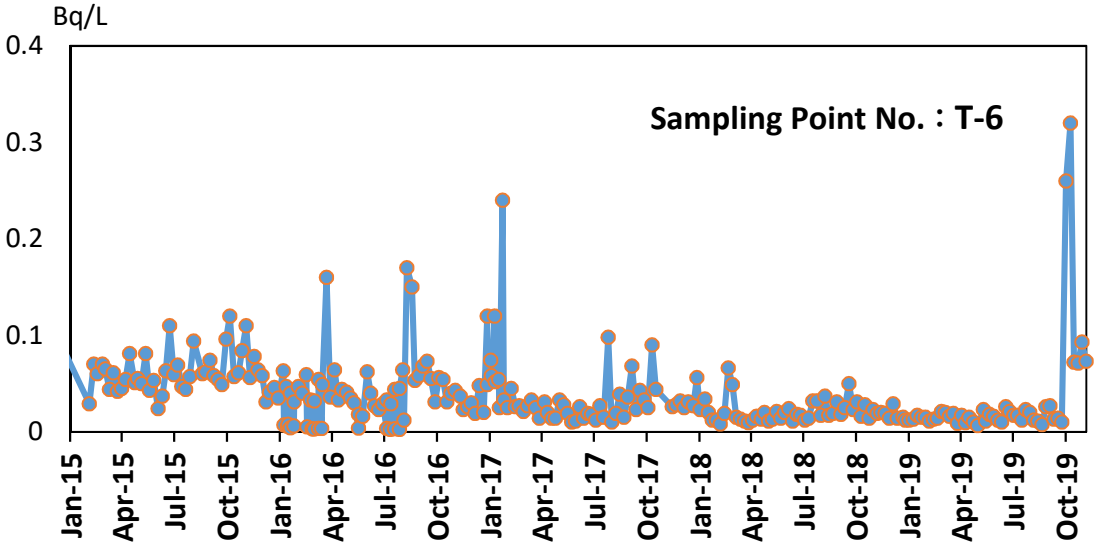
O：上層（表層～2m） Outer Layer
L：下層（海底より2～3m上） Lower Layer

	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	2019/8/6 9:04	ND(0.0013)	0.0042	O
		ND(0.0013)	0.0065	L
	2019/8/17 9:05	ND(0.0014)	0.0055	O
		ND(0.0012)	0.0041	L
	2019/8/20 8:30	ND(0.0011)	0.0023	O
		ND(0.0012)	0.0039	L
	2019/8/27 8:33	ND(0.0011)	0.0028	O
		ND(0.0012)	0.0048	L
	2019/9/4 8:56	ND(0.0013)	0.0032	O
		ND(0.0012)	0.0022	L
	2019/9/11 8:20	ND(0.0011)	0.0078	O
		ND(0.0011)	0.0042	L
	2019/9/18 8:37	ND(0.0012)	0.0089	O
		ND(0.0012)	0.0043	L
	2019/9/26 8:38	ND(0.0013)	0.0045	O
		ND(0.0010)	0.0027	L
	2019/10/1 9:47	ND(0.0013)	0.0044	O
		ND(0.0012)	0.0041	L
	2019/10/10 8:35	ND(0.0011)	0.0020	O
		ND(0.0012)	0.0049	L
	2019/10/18 8:41	0.0018	0.023	O
		0.0018	0.031	L
	2019/10/26	悪天候により採取中止 (No sample due to bad weather)		O
				L
	2019/11/1 8:27	0.0043	0.059	O
		0.0026	0.037	L
	2019/11/5 8:47	0.0015	0.023	O
		0.0013	0.016	L
	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
T-14	2019/8/8 7:47	ND(0.0011)	0.0032	O
		ND(0.0011)	0.0038	L
	2019/8/17 9:33	ND(0.0012)	0.0046	O
		ND(0.0011)	0.0034	L
	2019/8/20 7:25	ND(0.0013)	0.0031	O
		ND(0.0014)	0.0050	L
	2019/8/26 7:38	ND(0.0012)	0.0028	O
		ND(0.0013)	0.0051	L
	2019/9/2 7:48	ND(0.0012)	0.0018	O
		ND(0.0012)	0.0022	L
	2019/9/11 7:40	ND(0.0014)	0.0044	O
		ND(0.0016)	0.0090	L
	2019/9/19 7:53	ND(0.0015)	0.0032	O
		ND(0.0015)	0.0024	L
	2019/9/25 7:35	ND(0.0014)	0.0025	O
		ND(0.0015)	0.0030	L
	2019/10/1 7:31	ND(0.0014)	0.0031	O
		ND(0.0014)	0.0029	L
	2019/10/9 7:48	ND(0.0012)	0.0023	O
		ND(0.0014)	0.0030	L
	2019/10/16 8:18	ND(0.0013)	0.018	O
		0.0028	0.044	L
	2019/10/26	悪天候により採取中止 (No sample due to bad weather)		O
				L
	2019/11/1 7:29	0.0028	0.048	O
		ND(0.0012)	0.011	L
	2019/11/7 5:06	ND(0.0015)	0.017	O
		ND(0.0016)	0.016	L
	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

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



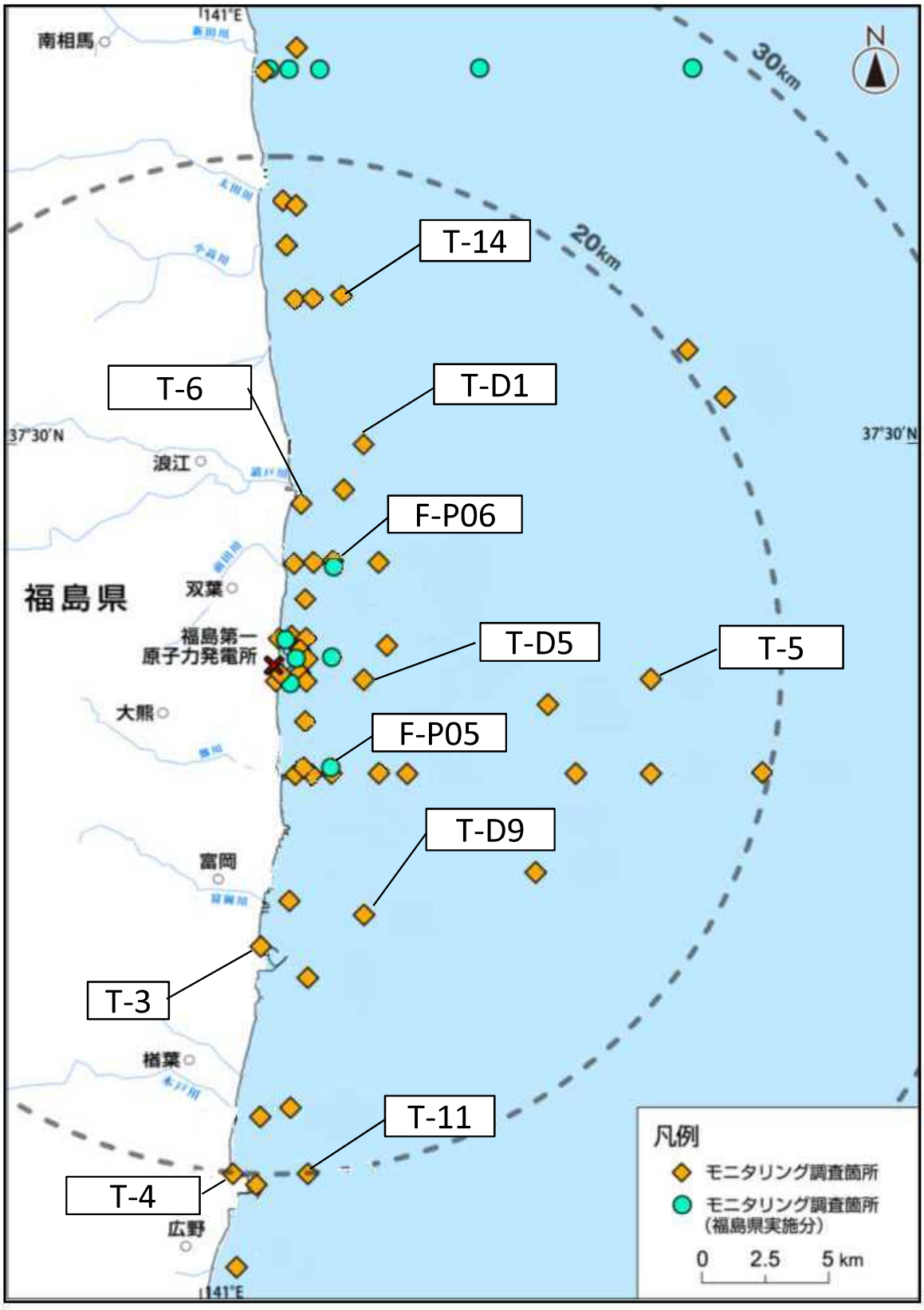




Concentration ranges of Cs-137 in sea-water around the Fukushima Daiichi NPS surveyed by TEPCO

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㈱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10月7日

Radioactivity concentration in the sediment near and around Fukushima Dai-ichi NPP
(Based on the press release of TEPCO※1)
Sampling Date: Oct 7, 2019

令和元年11月26日
Nov 26, 2019

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

		Cs-134	Cs-137	Sr-90	Pu-238	Pu-239+240
T-1	2019/7/1 7:20	24	400	ND(0.76)		
	2019/8/5 7:50	23	280			
	2019/9/2 7:55	15	200	ND(0.63)		
	2019/10/7 8:20	19	220		**ND(0.0091)**	**0.048**
T-2	2019/7/1 6:20	11	150	ND(0.67)		
	2019/8/5 6:50	10	150			
	2019/9/2 6:50	12	150	ND(0.60)		
	2019/10/7 7:00	8.9	140		**ND(0.0089)**	**0.068**

沿岸海域

		Cs-134	Cs-137	Sr-90	Pu-238	Pu-239+240
T-3	2019/7/2 11:30	3.5	52			
	2019/8/6 11:25	5.8	100			
	2019/9/3 13:55	5.1	120			
	2019/10/1 11:35	7.9	110			
T-4	2019/7/2 13:55	7.2	72			
	2019/8/6 14:00	5.6	55			
	2019/9/3 8:30	ND(2.3)	44			
	2019/10/1 15:15	2.9	48			
T-5	2019/7/1 7:15	5.9	59			
	2019/8/6 7:23	3.5	53			
	2019/9/4 7:26	ND(2.5)	38			
	2019/10/1 8:01	2.8	38			
T-11	2019/7/1 9:20	ND(2.6)	26			
	2019/8/6 9:04	ND(2.6)	19			
	2019/9/4 8:56	ND(3.0)	31			
	2019/10/1 9:47	ND(2.7)	31			
T-14	2019/7/2 7:27	ND(2.3)	3.4			
	2019/8/8 7:47	ND(1.7)	3.4			
	2019/9/2 7:48	ND(1.9)	ND(2.4)			
	2019/10/1 7:31	ND(1.9)	ND(2.0)			
T-①	2019/7/5 8:08	ND(2.1)	14			
	2019/8/22 7:55	ND(2.3)	16			
	2019/9/25 7:40	ND(2.4)	11			
	2019/10/28 7:49	49	730			
T-②	2019/7/5 8:01	ND(2.6)	7.6			
	2019/8/22 7:45	ND(2.5)	12			
	2019/9/25 7:30	ND(2.9)	11			
	2019/10/28 7:40	25	360			
T-③	2019/7/5 8:47	6.6	78			
	2019/8/22 8:35	11	130			
	2019/9/25 8:20	9.1	160			
	2019/10/28 8:29	14	230			
T-④	2019/7/5 8:40	4.3	52			
	2019/8/22 8:28	3.9	57			
	2019/9/25 8:12	3.5	49			
	2019/10/28 8:21	10	180			
T-⑤	2019/7/5 8:32	6.8	63			
	2019/8/22 8:21	ND(3.3)	42			
	2019/9/25 8:03	4.4	54			
	2019/10/28 8:13	7.0	110			
T-⑥	2019/7/10 7:54	13	190			
	2019/8/5 7:32	11	170			
	2019/9/13 7:51	12	180			
	2019/10/18 7:54	13	210			
T-⑦	2019/7/10 7:45	9.2	110			
	2019/8/5 7:22	9.6	140			
	2019/9/13 7:43	8.3	120			
	2019/10/18 7:39	9.1	150			
T-⑧	2019/7/10 7:33	4.0	62			
	2019/8/5 7:12	ND(2.3)	23			
	2019/9/13 7:34	ND(2.7)	33			
	2019/10/18 7:29	5.7	84			
T-⑨	2019/7/10 7:16	ND(1.9)	2.9			
	2019/8/5 6:57	5.6	69			
	2019/9/13 7:13	ND(2.1)	4.2			
	2019/10/18 7:20	ND(1.9)	ND(2.2)			
T-⑩	2019/7/12 7:51	ND(3.4)	23			
	2019/8/1 8:05	ND(2.5)	5.7			
	2019/9/4 7:55	ND(2.4)	14			
	2019/10/2 8:10	ND(1.9)	4.0			
T-⑪	2019/7/12 7:30	3.7	38			
	2019/8/1 7:39	3.7	61			
	2019/9/4 7:38	ND(2.6)	39			
	2019/10/2 7:51	ND(2.4)	36			

* 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/decommision/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	2019/7/2 7:54	5.5	72
	2019/8/8 8:21	16	190
	2019/9/2 8:20	7.8	100
	2019/10/1 7:58	7.7	140

T-D5	2019/7/2 8:17	ND(2.6)	4.1
	2019/8/8 8:44	2.9	32
	2019/9/2 8:47	3.0	41
	2019/10/1 8:21	25	390

T-D9	2019/7/1 8:51	2.4	32
	2019/8/6 8:17	3.1	36
	2019/9/4 8:14	ND(3.0)	33
	2019/10/1 9:12	ND(2.6)	20

T-⑫	2019/7/12 7:04	4.2	44
	2019/8/1 7:21	3.2	32
	2019/9/4 7:16	4.0	46
	2019/10/2 7:25	6.8	40

T-⑬	2019/7/10 8:30	7.5	89
	2019/8/5 8:09	5.5	73
	2019/9/13 8:27	14	220
	2019/10/18 8:25	9.6	140

T-S1	2019/7/3 5:43	ND(2.4)	15
	2019/8/1 6:04	ND(2.6)	6.6
	2019/9/5 13:10	ND(3.4)	4.4
	2019/10/2 13:21	ND(2.4)	8.0

T-S3	2019/7/11 5:26	2.1	17
	2019/8/8 5:38	ND(2.1)	7.8
	2019/9/12 12:12	ND(2.7)	6.8
	2019/10/9 5:40	ND(2.3)	13

T-S4	2019/7/11 5:56	ND(3.0)	65
	2019/8/8 6:08	ND(2.6)	19
	2019/9/12 11:49	ND(2.2)	3.0
	2019/10/9 6:13	ND(2.2)	8.7

T-S5	2019/7/1 6:17	ND(2.4)	9.8
	2019/8/5 6:01	2.2	30
	2019/9/2 6:06	ND(2.9)	7.1
	2019/10/30 10:36	ND(3.0)	17

T-S7	2019/7/1 5:45	3.8	50
	2019/8/5 5:38	21	150
	2019/9/2 5:39	ND(1.7)	6.5
	2019/10/30 10:11	6.4	94

T-S8	2019/7/17 6:08	ND(2.3)	26
	2019/8/21 5:45	2.7	19
	2019/9/18 5:39	ND(2.5)	34
	2019/10/30 12:08	14	250

T-B1	2019/7/24 5:58	ND(2.1)	6.4
	2019/8/7 5:35	ND(2.6)	3.8
	2019/9/10 6:48	ND(1.9)	5.7
	2019/10/29 5:24	ND(2.1)	2.4

T-B2	2019/7/24 6:25	ND(2.4)	26
	2019/8/7 6:04	ND(3.0)	34
	2019/9/10 6:13	2.3	12
	2019/10/29 5:53	ND(1.9)	11

T-B3	2019/7/16 6:49	ND(2.0)	3.7
	2019/8/19 5:45	ND(2.1)	4.9
	2019/9/3 5:46	ND(2.4)	ND(2.6)
	2019/10/21 6:14	ND(2.2)	6.5

T-B4	2019/7/16 7:31	ND(2.5)	5.4
	2019/8/19 6:21	ND(2.1)	8.5
	2019/9/3 6:33	ND(2.3)	19
	2019/10/21 7:02	ND(2.7)	35

T-13-1	2019/7/19 6:45	ND(2.3)	ND(2.2)
	2019/9/20 6:58	ND(1.9)	ND(2.2)

T-7	2019/7/3 6:46	ND(3.6)	51
	2019/9/5 6:59	ND(3.0)	41

T-18	2019/7/3 9:06	ND(2.9)	19
	2019/9/5 9:32	ND(2.7)	30

T-12	2019/7/5 5:48	ND(3.7)	12
	2019/9/3 10:39	ND(2.5)	12

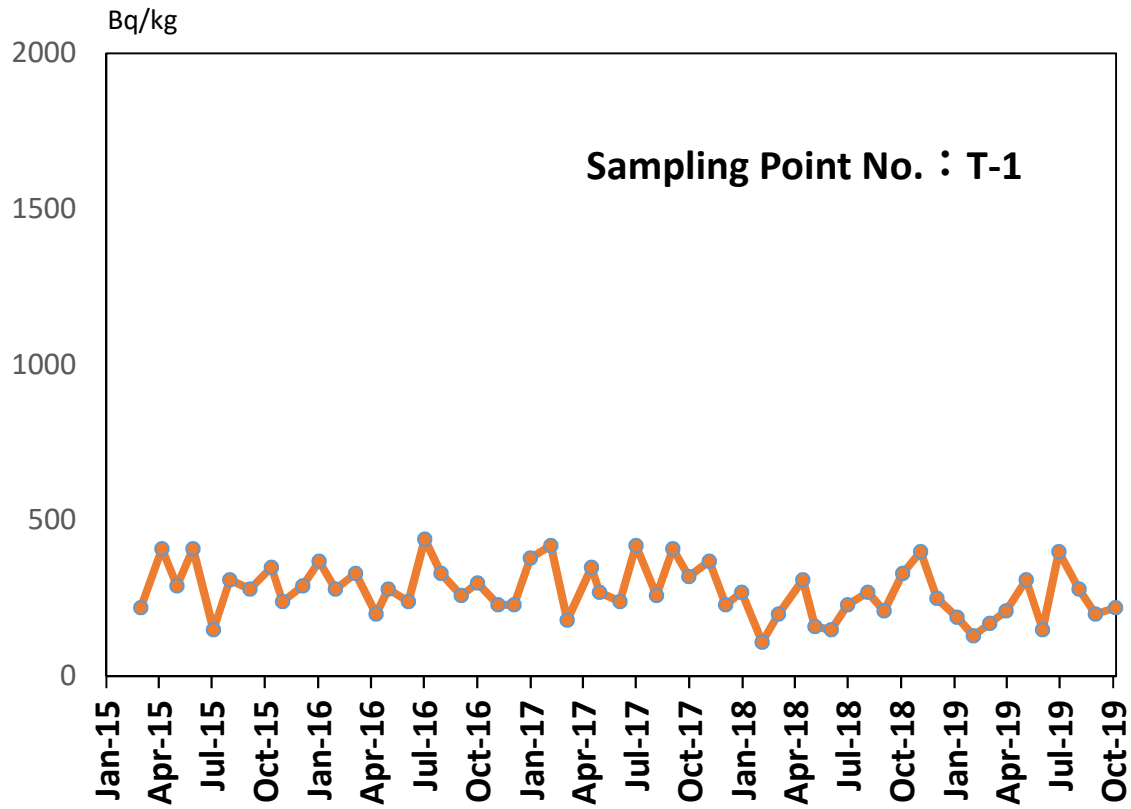
T-17-1	2019/7/5 6:25	ND(2.4)	19
	2019/9/3 10:00	ND(2.6)	16

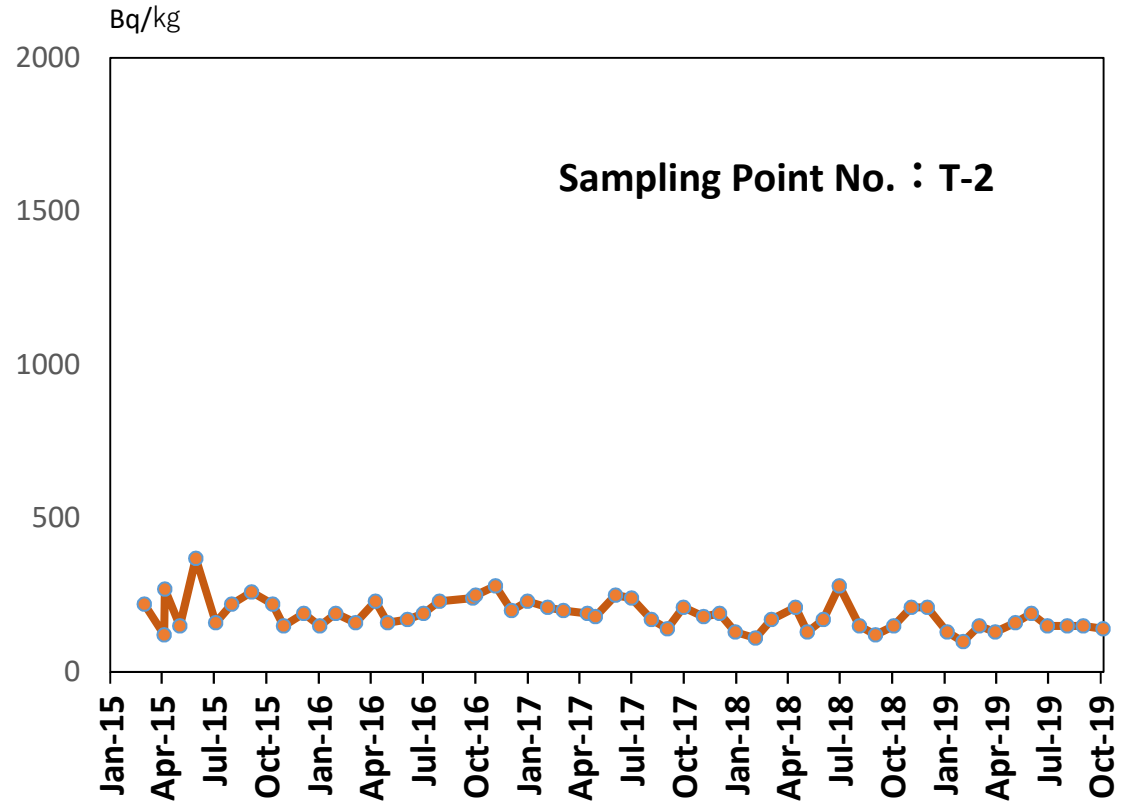
T-20	2019/7/5 6:45	ND(2.5)	19
	2019/9/3 9:29	ND(2.4)	16

T-22	2019/7/19 5:43	ND(2.5)	6.6
	2019/9/20 5:47	ND(2.0)	3.7

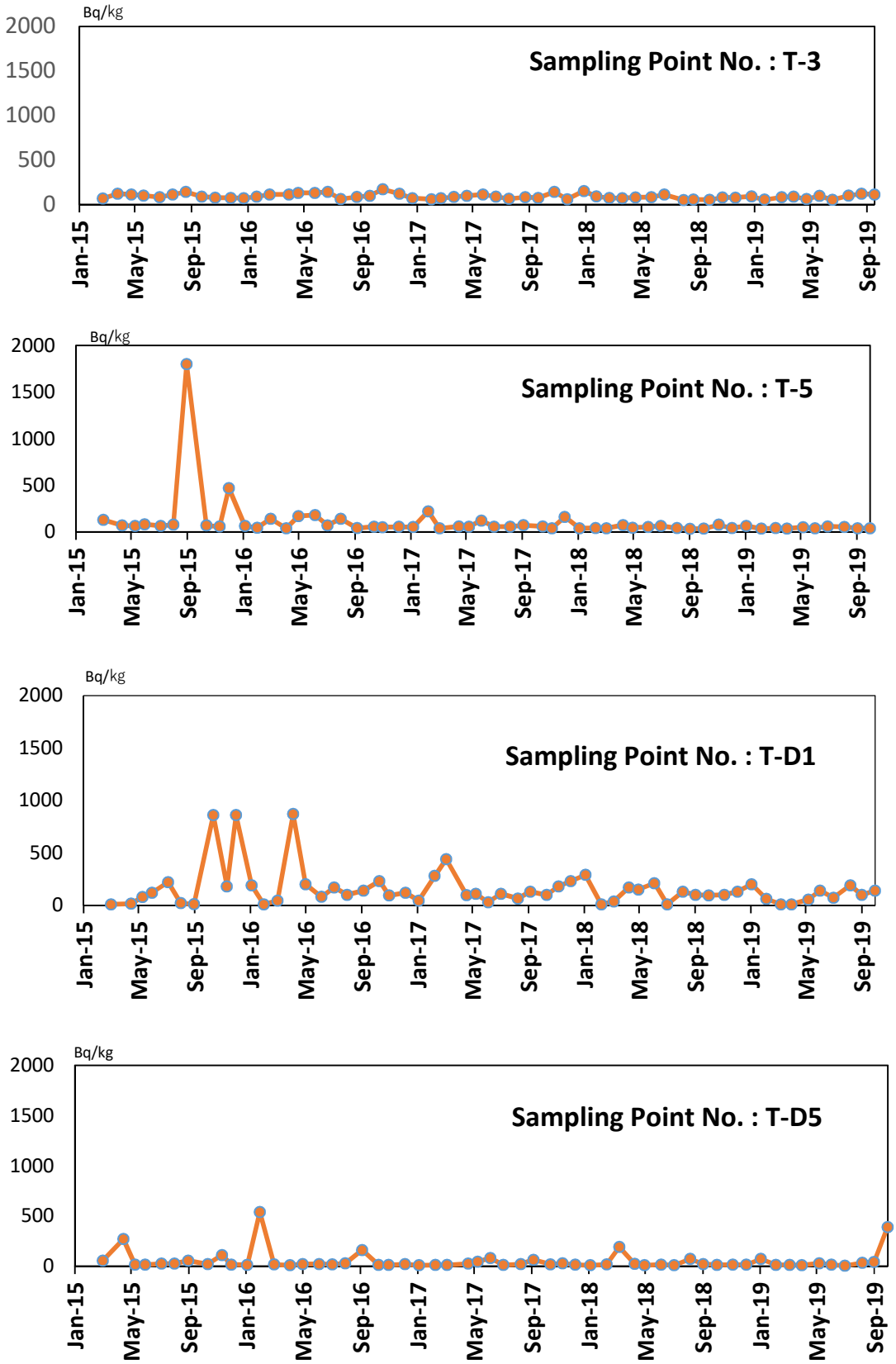
T-MA	2019/7/19 6:12	ND(1.7)	ND(2.2)
	2019/9/20 6:23	ND(2.2)	ND(2.2)

T-M10	2019/7/3 8:08	4.9	95
	2019/9/5 8:22	5.9	85





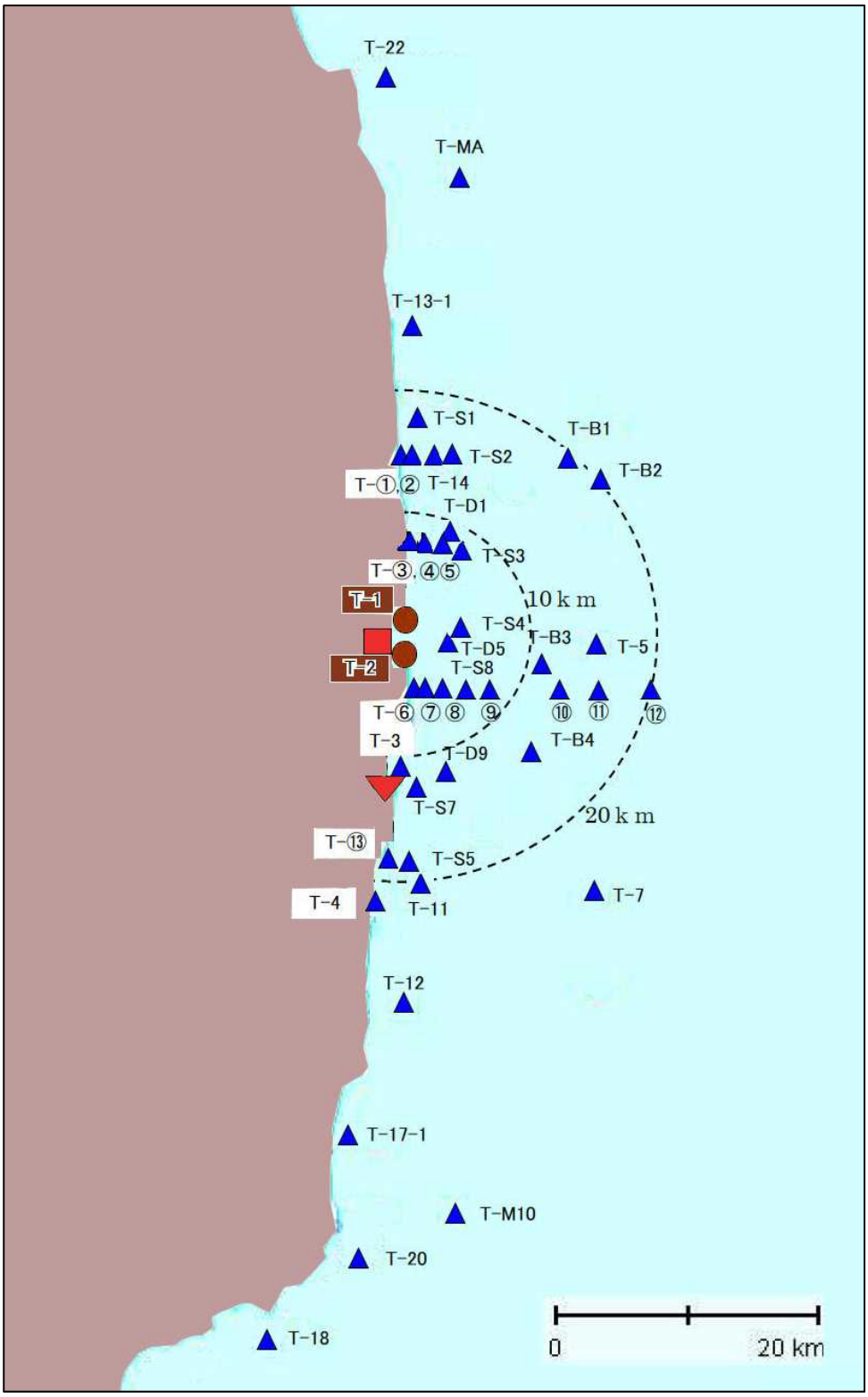
Concentration ranges of Cs-137 in sea-sediment near the Fukushima Daiichi NPS surveyed by TEPCO



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

※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

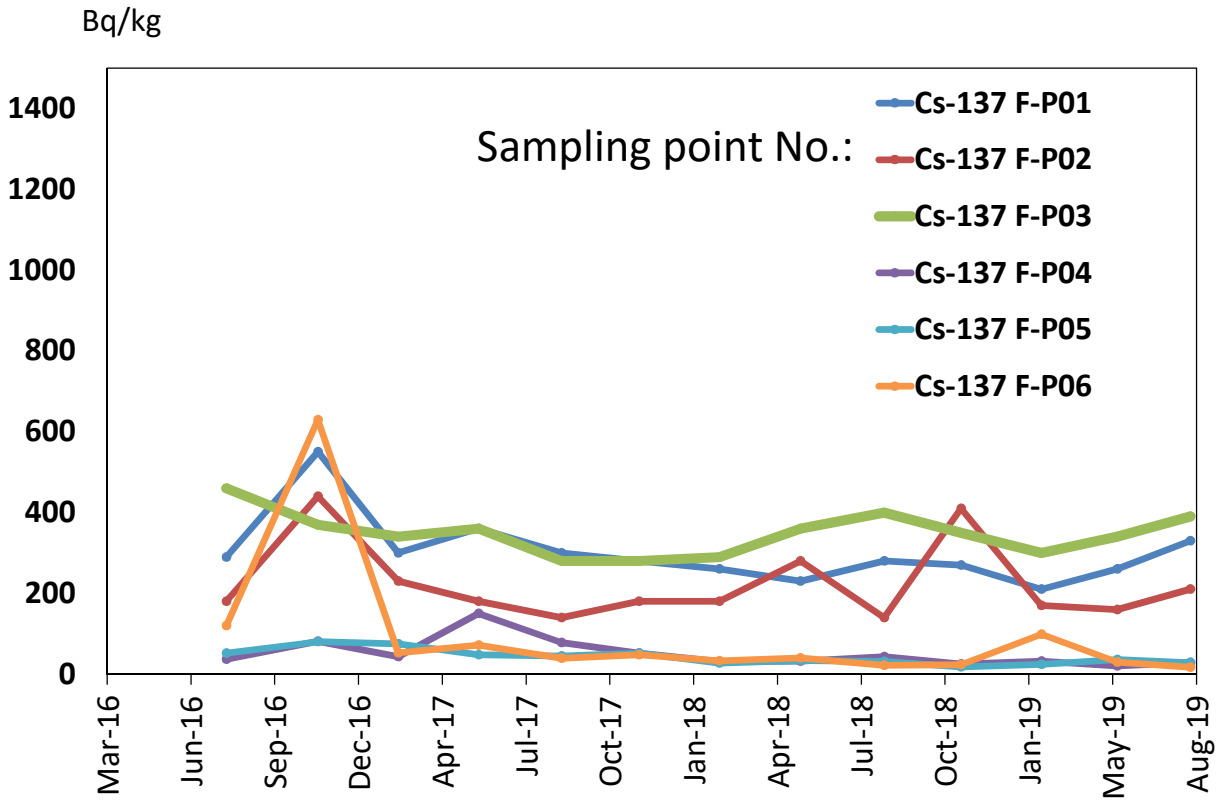
福島第一原子力発電所周辺海域の海底土の放射性物質濃度測定結果
（福島県の発表をもとに作成※1）

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

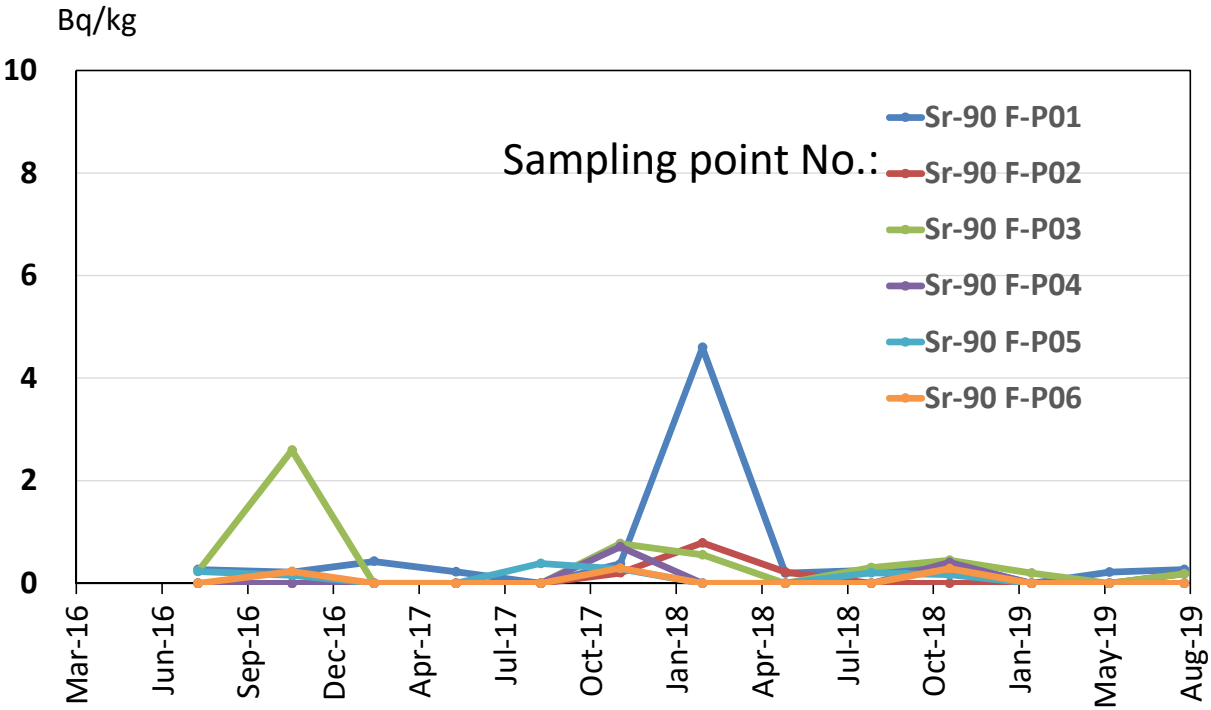
採取場所 Sampling point	採取日 Sampling date	Cs-134	Cs-137	Sr-90	Pu-238	Pu-239+240
		放射性物質濃度（検出下限値）（Bq/kg）（ND※2：不検出）				
夫沢・熊川沖2km（大熊町）(F-P05)	2017/8/18	5.9	45	0.39	ND	0.41
	2017/11/14	6.7	52	0.29	0.01	0.41
	2018/2/13	3.1	27	ND	ND	0.37
	2018/5/16	3.6	34	ND	ND	0.21
	2018/8/19	2.8	31	0.21	ND	0.39
	2018/11/14	ND	18	0.17	ND	0.35
	2019/2/13	2.0	24	ND	ND	0.39
	2019/5/10	2.5	36	ND	ND	0.52
	2019/8/1	1.9	28	ND	ND	0.42
前田川沖2km（双葉町）(F-P06)	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
	2019/5/10	2.0	30	ND	ND	0.46
	2019/8/1	1.7	17	ND	ND	0.38

※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