Environmental Monitoring results and analyses

---- The 2nd Quarter of FY2019 ---
(From July 1 to September 30, 2019)

October 25, 2019
The Nuclear Regulation Authority, Japan

In accordance with the "Comprehensive Radiation Monitoring Plan", the relevant organizations released the monitoring data in the period from July 1 to September 30, 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 : in a decreasing trend ; no significant variation observed
- Concentrations of radioactive materials in sea sediment : in a decreasing trend ; no significant variation observed

【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 2nd Quarter of FY2019 ---
(From July 1 to September 30, 2019)

October 25, 2019
The Nuclear Regulation Authority, Japan

In accordance with the "Comprehensive Radiation Monitoring Plan", the relevant organizations released the monitoring data in the period from July 1 to September 30, 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：July 1 - September 30, 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：December 26, 2018 - March 28, 2019 (91-92 days)
March 28 - June 27, 2019 (90-91 days)
Measuring points：beyond 20 km from Fukushima Daiichi NPS (14 points)
Measuring method：Measurement using glass badge dosimeters
Monitoring results：0.1-4.8mSv/3months

(Refer to Attached Document pages 1-2)

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：June 11 - August 15, 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 0.00054 Bq/m^3; Cs-137 were from ND to 0.0083 Bq/m^3.

(Refer to Attached Document pages 3-4)

(ⅱ) Responsible organizations：NRA
Sampling period：June 4 - August 28, 2019
Sampling points：beyond 20 km from Fukushima Daiichi NPS (5 points)
Monitoring results：Activity concentrations of Cs-134 were all ND;
Activity concentrations of Cs-137 were from ND to 0.00028 Bq/m^3.

(Refer to Attached Document pages 6-7)

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: June - August 2019
Sampling points: Fukushima prefecture (Fukushima city)
Analytical method: Measurement after evaporating all monthly samples
Monitoring Results:
Activity concentrations of Cs-134 were from 0.16 to 0.41 MBq/km^2/month.
Activity concentrations of Cs-137 were from 2.4 to 4.9 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

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

① Seawater near the Fukushima Daiichi NPS

· Cs-134 and Cs-137 analyses

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

（ｉ） Responsible organization: TEPCO
Sampling period: May 27 - August 19, 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 0.0019 to 0.019 Bq/L ; Cs-137 were from 0.029 to 0.27 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: May 7 - June 14, 2019
Analytical method: Coprecipitation method using ammonium phosphomolybdate, sample amount: 60 L
Measurement time: 46,800-230,000 seconds
Monitoring results: Activity concentrations of Cs-134 were from ND to 0.011 Bq/L ; Cs-137 were from 0.0038 to 0.14 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: April 17 - June 4, 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 0.006 Bq/L ; Cs-137 were from 0.005 to 0.066 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: June 3 - July 1, 2019
Analytical method: Atmospheric distillation
Sampling amount: 50 mL
Measurement time: 5,400 seconds
Monitoring results: Activity concentrations of H-3 were all ND.
(See Attached Document page 13)

(ⅱ) Responsible organization: NRA
Sampling period: March 7 - June 14, 2019
Analytical method: Electrolytic enrichment technique
Sampling amount: 500 mL
Measurement time: 30,000 seconds
Monitoring results: Activity concentrations of H-3 were from ND to 0.20 Bq/L.
(See Attached Document page 15)

(iii) Responsible organization: Fukushima prefectural government
Sampling period: April 17 - June 4, 2019
Analytical method: Reduced-pressure distillation
Sampling amount: 50 mL
Measurement time: 30,000 seconds
Monitoring results: Activity concentrations of H-3 were all ND.
(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: June 3 - July 1, 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 0.0023 to 0.0051 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: February 14 - June 14, 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 0.00081 to 0.0052 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: April 17 - June 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 ND to 0.0026 Bq/L.
(See Attached Document page 15)

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

② Radioactivity concentration in seawater around Fukushima Daiichi NPS

・Cs-134 and Cs-137 Analysis
（ｉ）Responsible organization: TEPCO
Sampling period: May 27 - August 20, 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 0.0037 Bq/L ;
Cs-137 were from 0.0015 to 0.047 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: April 17 - June 4, 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 0.005 to 0.012 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: June 3 - August 6, 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 0.57 Bq/L.
(See Attached Document pages 22-25)

(ⅱ) Responsible organization: Fukushima prefectural government
Sampling period: April 17 - June 4, 2019
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 18)

・Sr-90 Analysis
(ⅰ) Responsible organization: TEPCO
Sampling period: June 3 - July 2, 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 0.00068 to 0.0014 Bq/L.
(See Attached Document pages 22-25)

(ⅱ) Responsible organization: Fukushima prefectural government
Sampling period: April 17 - June 4, 2019
Analysis method: Y-90 milking method
Sample amount: 40 L
Measuring time: 3,600 seconds
Monitoring result: Activity concentrations of Sr-90 were from 0.0005 to 0.0010 Bq/L.
(See Attached Document page 18)

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

5 Concentrations of radioactive materials in sea sediment

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

① Sea-sediment near the Fukushima Daiichi NPS

・Cs-134 and Cs-137 analyses

(ⅰ) Responsible organization: TEPCO
Sampling period: June 3 - August 5, 2019
Monitoring results: Activity concentrations of Cs-134 were from 10 to 24 Bq/kg ;
Cs-137 were from 150 to 400 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: May 10, 2019

Monitoring results: Activity concentrations of Cs-134 were from 1.8 to 26 Bq/kg；
Cs-137 were from 20 to 340 Bq/kg.
Activity concentrations of Sr-90 were from ND to 0.22 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: June 3 - August 22, 2019
Monitoring results: Activity concentrations of Cs-134 were from ND to 22 Bq/kg；
Cs-137 were from 2.9 to 350 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: May 10, 2019
Monitoring results: Activity concentrations of Cs-134 were from 2.0 to 2.5 Bq/kg；
Cs-137 were from 30 to 36 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: June - August, 2019
Analytical method: Measurement after evaporating all monthly samples
Monitoring results: Activity concentrations of Cs-134 were from ND to 0.043 MBq/km^2/month; Cs-137 were from ND to 0.64 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9月12日
原子力規制委員会

Sep 12, 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	12月の回収年月日 Collection Date	12月末までの積算日数 Accumulated Day (x)	12月末までの積算数値 Reading of Accumulated Dose (a) (mSv)	回収年月日 Collection Date	1～3月の積算日数 Accumulated Day (y)	1～3月の積算数値 Reading of Accumulated Dose (b) (mSv)	3月末までの総積算日数 Accumulated Day (z = x + y)	3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	2018/12/27	2835	232.0	2019/3/28	91	1.0	2926	233.0
【32】	双葉郡浪江町赤宇木(32km北西) Futaba county Namie town Akougi (32km North/West)	2011/3/23	2018/12/27	2835	549.8	2019/3/28	91	4.8	2926	554.6
【33】	相馬郡飯舘村長泥(33km北西) Soma county Iitate village Nagadoro (33km North/West)	2011/3/23	2018/12/27	2835	288.7	2019/3/28	91	3.0	2926	291.7
【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	2018/12/27	2802	102.4	2019/3/28	91	0.9	2893	103.3
【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	2018/12/26	2827	9.9	2019/3/28	92	0.1	2919	10.0
【71】	双葉郡広野町下浅見川(23km南) Futaba county Hirono town Shimoasamigawa (23km South)	2011/5/1	2018/12/26	2797	8.6	2019/3/28	92	0.1	2889	8.7
【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	2018/12/27	2835	248.2	2019/3/28	91	1.4	2926	249.6
【7】	南相馬市鹿島区寺内(32km北) Minamisoma city Kashima ward Terauchi (32km North)	2011/3/23	2018/12/27	2835	13.2	2019/3/28	91	0.1	2926	13.3
【1】	福島市杉妻町(62km北西) Fukushima city Sugitsuma town (62km North/West)	2011/3/23	2018/12/27	2835	14.2	2019/3/28	91	0.1	2926	14.3
【39】	相馬市山上(41km北北西) Soma city Yamakami (41km North/North/West)	2011/4/1	2018/12/27	2827	9.1	2019/3/28	91	0.1	2918	9.2
【84】	いわき市三和町差塩(39km南西) Iwaki city Miwa town Saiso (39km South/West)	2016/3/28	2018/12/26	1003	0.6	2019/3/28	92	0.1	1095	0.7
【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	2018/12/26	1003	1.1	2019/3/28	92	0.1	1095	1.2
【80】	南相馬市原町区高見町(24km北) Minamisoma city Haramachi ward Takami town (24km North)	2011/4/3	2018/12/26	2824	8.9	2019/3/28	92	0.1	2916	9.0
【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	2018/12/26	2826	60.4	2019/3/28	92	0.3	2918	60.7

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9月17日
原子力規制委員会

Sep 17, 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	3月の回収年月日 Collection Date	3月末までの積算日数 Accumulated Day (x)	3月末までの積算数値 Reading of Accumulated Dose (a) (mSv)	回収年月日 Collection Date	4～6月の積算日数 Accumulated Day (y)	4～6月の積算数値 Reading of Accumulated Dose (b) (mSv)	6月末までの総積算日数 Accumulated Day (z = x + y)	6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	2019/3/28	2926	233.0	2019/6/27	91	1.0	3017	234.0
【32】	双葉郡浪江町赤宇木(32km北西) Futaba county Namie town Akougi (32km North/West)	2011/3/23	2019/3/28	2926	554.6	2019/6/27	91	4.8	3017	559.4
【33】	相馬郡飯舘村長泥(33km北西) Soma county Iitate village Nagadoro (33km North/West)	2011/3/23	2019/3/28	2926	291.7	2019/6/27	91	3.0	3017	294.7
【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	2019/3/28	2893	103.3	2019/6/27	91	1.0	2984	104.3
【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	2019/3/28	2919	10.0	2019/6/26	90	0.1	3009	10.1
【71】	双葉郡広野町下浅見川(23km南) Futaba county Hirono town Shimoasamigawa (23km South)	2011/5/1	2019/3/28	2889	8.7	2019/6/26	90	0.1	2979	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	2019/3/28	2926	249.6	2019/6/27	91	1.3	3017	250.9
【7】	南相馬市鹿島区寺内(32km北) Minamisoma city Kashima ward Terauchi (32km North)	2011/3/23	2019/3/28	2926	13.3	2019/6/27	91	0.1	3017	13.4
【1】	福島市杉妻町(62km北西) Fukushima city Sugitsuma town (62km North/West)	2011/3/23	2019/3/28	2926	14.3	2019/6/27	91	0.1	3017	14.4
【39】	相馬市山上(41km北北西) Soma city Yamakami (41km North/North/West)	2011/4/1	2019/3/28	2918	9.2	2019/6/27	91	0.1	3009	9.3
【84】	いわき市三和町差塩(39km南西) Iwaki city Miwa town Saiso (39km South/West)	2016/3/28	2019/3/28	1095	0.7	2019/6/26	90	0.1	1185	0.8
【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	2019/3/28	1095	1.2	2019/6/26	90	0.1	1185	1.3
【80】	南相馬市原町区高見町(24km北) Minamisoma city Haramachi ward Takami town (24km North)	2011/4/3	2019/3/28	2916	9.0	2019/6/26	90	0.1	3006	9.1
【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	2019/3/28	2918	60.7	2019/6/26	90	0.3	3008	61.0

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

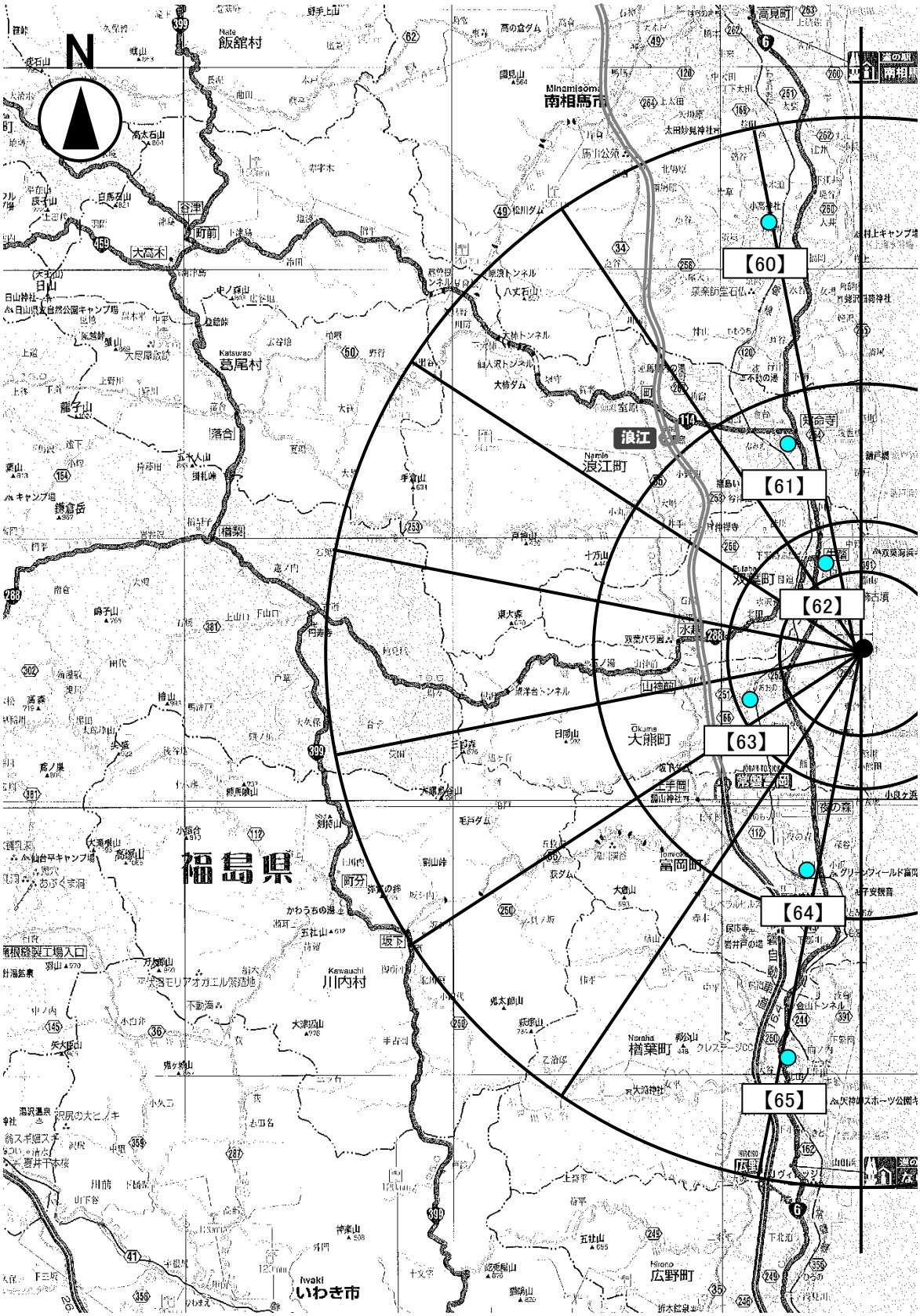
令和元年10月4日　Oct 4, 2019
原子力規制委員会　NRA

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	○	2019/8/13 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	○	2019/8/13 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	○	2019/8/13 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 oaza Shimonogami	西南西約5km 5km West/South/West	○	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	○	2019/8/13 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	

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		
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	○	2019/8/13 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10月4日　Oct 4, 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	○	2019/8/20 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	○	2019/8/20 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	○	2019/8/26 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	41km西 41km West	○	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

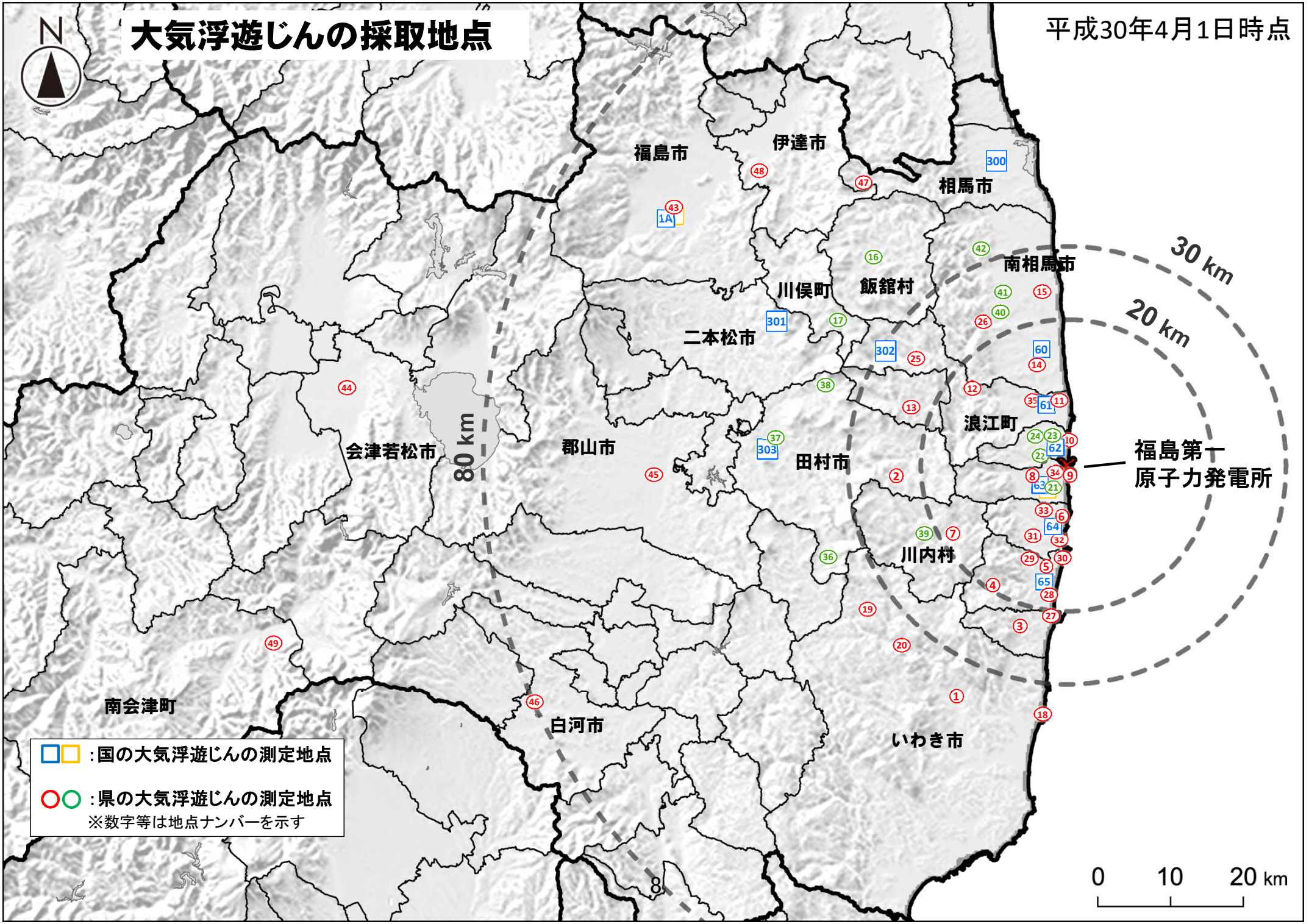
Readings of dust sampling by Fukushima Prefecture

令和元年10月4日　Oct 4, 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	○	2019/8/5 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


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6月分 [Jun, 2019]）

2019.7.31 [Jul 31, 2019], 2019.8.20追加 [Additional date on Aug 20, 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[< 0.12]	不検出[< 0.049]	不検出[< 0.045]		
2	青森県(青森市) [Aomori] [Aomori]	不検出[< 0.11]	不検出[< 0.057]	不検出[< 0.046]		
3	岩手県(盛岡市) [Iwate] [Morioka]	不検出[< 0.91]	不検出[< 0.065]	0.058		
4	宮城県(仙台市) [Miyagi] [Sendai]	不検出[< 0.25]	不検出[< 0.052]	0.22		
5	秋田県(秋田市) [Akita] [Akita]	不検出[< 0.24]	不検出[< 0.059]	不検出[< 0.054]		
6	山形県(山形市) [Yamagata] [Yamagata]	不検出[< 0.13]	不検出[< 0.061]	0.38		
7	福島県(福島市) [Fukushima] [Fukushima]	不検出[< 0.28]	0.41	4.9		
8	茨城県(ひたちなか市) [Ibaraki] [Hitachinaka]	不検出[< 0.57]	不検出[< 0.12]	0.58		
9	栃木県(宇都宮市) [Tochigi] [Utsunomiya]	不検出[< 0.80]	不検出[< 0.10]	0.36		
10	群馬県(前橋市) [Gunma] [Maebashi]	不検出[< 0.34]	不検出[< 0.068]	0.23		
11	埼玉県（比企郡） [Saitama][Hiki]	不検出[< 0.29]	不検出[< 0.075]	0.080		
12	千葉県(市原市) [Chiba] [Ichihara]	不検出[< 0.18]	不検出[< 0.056]	0.21		
13	東京都(新宿区) [Tokyo] [Shinjuku]	不検出[< 0.096]	不検出[< 0.034]	0.25		
14	神奈川県(茅ヶ崎市) [Kanagawa] [Chigasaki]	不検出[< 0.22]	不検出[< 0.042]	0.10		
15	新潟県(新潟市) [Niigata] [Niigata]	不検出[< 0.25]	不検出[< 0.047]	不検出[< 0.035]		
16	富山県(射水市) [Toyama] [Imizu]	不検出[< 0.19]	不検出[< 0.035]	不検出[< 0.034]		
17	石川県(金沢市) [Ishikawa] [Kanazawa]	不検出[< 0.68]	不検出[< 0.044]	不検出[< 0.033]		
18	福井県(福井市) [Fukui] [Fukui]	不検出[< 0.27]	不検出[< 0.058]	不検出[< 0.051]		
19	山梨県(甲府市) [Yamanashi] [Kofu]	不検出[< 1.1]	不検出[< 0.072]	不検出[< 0.071]		
20	長野県(長野市) [Nagano] [Nagano]	不検出[< 0.11]	不検出[< 0.049]	不検出[< 0.045]		
21	岐阜県(各務原市) [Gifu] [Kakamigahara]	不検出[< 0.16]	不検出[< 0.066]	不検出[< 0.048]		
22	静岡県(牧之原市) [Shizuoka] [Makinohara]	不検出[< 0.23]	不検出[< 0.059]	不検出[< 0.046]		
23	愛知県(名古屋市) [Aichi] [Nagoya]	不検出[< 0.27]	不検出[< 0.053]	不検出[< 0.038]		
24	三重県(四日市市) [Mie] [Yokkaichi]	不検出[< 0.20]	不検出[< 0.048]	不検出[< 0.041]		
25	滋賀県(大津市) [Shiga] [Otsu]	不検出[< 0.23]	不検出[< 0.063]	不検出[< 0.055]		
26	京都府(京都市) [Kyoto] [Kyoto]	不検出[< 0.23]	不検出[< 0.046]	不検出[< 0.042]		
27	大阪府(大阪市) [Osaka] [Osaka]	不検出[< 0.058]	不検出[< 0.038]	不検出[< 0.035]		
28	兵庫県(加古川市) [Hyogo] [Kakogawa]	不検出[< 0.10]	不検出[< 0.047]	不検出[< 0.038]		
29	奈良県(桜井市) [Nara] [Sakurai]	不検出[< 0.76]	不検出[< 0.061]	不検出[< 0.046]		
30	和歌山県(和歌山市) [Wakayama] [Wakayama]	**不検出[< 1.1]**	**不検出[< 0.068]**	**不検出[< 0.061]**		**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[< 0.073]	不検出[< 0.061]		
32	島根県(松江市) [Shimane] [Matsue]	不検出[< 0.27]	不検出[< 0.050]	不検出[< 0.040]		
33	岡山県(岡山市) [Okayama] [Okayama]	不検出[< 0.10]	不検出[< 0.042]	不検出[< 0.035]		
34	広島県(広島市) [Hiroshima] [Hiroshima]	不検出[< 0.28]	不検出[< 0.058]	不検出[< 0.051]		
35	山口県(山口市) [Yamaguchi] [Yamaguchi]	不検出[< 0.40]	不検出[< 0.072]	不検出[< 0.063]		
36	徳島県(徳島市) [Tokushima] [Tokushima]	不検出[< 0.38]	不検出[< 0.064]	不検出[< 0.055]		
37	香川県(高松市) [Kagawa] [Takamatsu]	不検出[< 0.16]	不検出[< 0.075]	不検出[< 0.058]		
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[< 0.39]	不検出[< 0.050]	不検出[< 0.041]		
40	福岡県(太宰府市) [Fukuoka] [Dazaifu]	不検出[< 0.36]	不検出[< 0.052]	不検出[< 0.041]		
41	佐賀県(佐賀市) [Saga] [Saga]	不検出[< 0.096]	不検出[< 0.054]	不検出[< 0.046]		
42	長崎県(大村市) [Nagasaki] [Omura]	不検出[< 0.32]	不検出[< 0.054]	不検出[< 0.047]		
43	熊本県(宇土市) [Kumamoto] [Uto]	不検出[< 0.080]	不検出[< 0.041]	不検出[< 0.035]		
44	大分県(大分市) [Oita] [Oita]	不検出[< 0.35]	不検出[< 0.048]	不検出[< 0.041]		
45	宮崎県(宮崎市) [Miyazaki] [Miyazaki]	不検出[< 0.30]	不検出[< 0.070]	不検出[< 0.050]		
46	鹿児島県(鹿児島市) [Kagoshima] [Kagoshima]	不検出[< 0.56]	不検出[< 0.066]	不検出[< 0.060]		
47	沖縄県(うるま市) [Okinawa] [Uruma]	不検出[< 0.18]	不検出[< 0.031]	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7月分 [Jul, 2019]）

2019.8.30 [Aug 30, 2019], 2019.9.13追加 [Additional date on Sep 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[< 0.15]	不検出[< 0.055]	不検出[< 0.044]		
2	青森県(青森市) [Aomori] [Aomori]	不検出[< 0.15]	不検出[< 0.062]	不検出[< 0.050]		
3	岩手県(盛岡市) [Iwate] [Morioka]	不検出[< 0.31]	不検出[< 0.069]	不検出[< 0.056]		
4	宮城県(仙台市) [Miyagi] [Sendai]	不検出[< 0.20]	不検出[< 0.078]	0.20		
5	秋田県(秋田市) [Akita] [Akita]	不検出[< 0.23]	不検出[< 0.056]	不検出[< 0.050]		
6	山形県(山形市) [Yamagata] [Yamagata]	不検出[< 0.12]	不検出[< 0.060]	0.28		
7	福島県(福島市) [Fukushima] [Fukushima]	不検出[< 0.42]	0.21	2.5		
8	茨城県(ひたちなか市) [Ibaraki] [Hitachinaka]	不検出[< 0.61]	不検出[< 0.12]	0.35		
9	栃木県(宇都宮市) [Tochigi] [Utsunomiya]	不検出[< 0.54]	不検出[< 0.065]	0.26		
10	群馬県(前橋市) [Gunma] [Maebashi]	不検出[< 0.15]	不検出[< 0.064]	0.18		
11	埼玉県（比企郡） [Saitama][Hiki]	不検出[< 0.14]	不検出[< 0.087]	不検出[< 0.059]		
12	千葉県(市原市) [Chiba] [Ichihara]	不検出[< 0.28]	不検出[< 0.055]	0.074		
13	東京都(新宿区) [Tokyo] [Shinjuku]	不検出[< 0.078]	不検出[< 0.041]	0.15		
14	神奈川県(茅ヶ崎市) [Kanagawa] [Chigasaki]	不検出[< 0.14]	不検出[< 0.047]	0.11		
15	新潟県(新潟市) [Niigata] [Niigata]	不検出[< 0.15]	不検出[< 0.048]	不検出[< 0.035]		
16	富山県(射水市) [Toyama] [Imizu]	不検出[< 0.28]	不検出[< 0.055]	不検出[< 0.043]		
17	石川県(金沢市) [Ishikawa] [Kanazawa]	不検出[< 0.48]	不検出[< 0.042]	不検出[< 0.033]		
18	福井県(福井市) [Fukui] [Fukui]	不検出[< 0.29]	不検出[< 0.065]	不検出[< 0.047]		
19	山梨県(甲府市) [Yamanashi] [Kofu]	不検出[< 1.1]	不検出[< 0.081]	不検出[< 0.074]		
20	長野県(長野市) [Nagano] [Nagano]	不検出[< 0.062]	不検出[< 0.047]	不検出[< 0.043]		
21	岐阜県(各務原市) [Gifu] [Kakamigahara]	不検出[< 0.25]	不検出[< 0.063]	不検出[< 0.053]		
22	静岡県(牧之原市) [Shizuoka] [Makinohara]	不検出[< 0.31]	不検出[< 0.060]	不検出[< 0.042]		
23	愛知県(名古屋市) [Aichi] [Nagoya]	不検出[< 0.18]	不検出[< 0.053]	不検出[< 0.037]		
24	三重県(四日市市) [Mie] [Yokkaichi]	不検出[< 0.28]	不検出[< 0.043]	不検出[< 0.041]		
25	滋賀県(大津市) [Shiga] [Otsu]	不検出[< 0.81]	不検出[< 0.068]	不検出[< 0.053]		
26	京都府(京都市) [Kyoto] [Kyoto]	不検出[< 0.22]	不検出[< 0.041]	不検出[< 0.036]		
27	大阪府(大阪市) [Osaka] [Osaka]	不検出[< 0.075]	不検出[< 0.037]	不検出[< 0.033]		
28	兵庫県(加古川市) [Hyogo] [Kakogawa]	不検出[< 0.092]	不検出[< 0.048]	不検出[< 0.039]		
29	奈良県(桜井市) [Nara] [Sakurai]	不検出[< 0.61]	不検出[< 0.058]	不検出[< 0.051]		
30	和歌山県(和歌山市) [Wakayama] [Wakayama]	**不検出[< 1.5]**	**不検出[< 0.071]**	**不検出[< 0.065]**		**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[< 0.065]	不検出[< 0.061]		
32	島根県(松江市) [Shimane] [Matsue]	不検出[< 0.17]	不検出[< 0.040]	不検出[< 0.030]		
33	岡山県(岡山市) [Okayama] [Okayama]	不検出[< 0.071]	不検出[< 0.051]	不検出[< 0.037]		
34	広島県(広島市) [Hiroshima] [Hiroshima]	不検出[< 0.41]	不検出[< 0.060]	不検出[< 0.053]		
35	山口県(山口市) [Yamaguchi] [Yamaguchi]	不検出[< 0.43]	不検出[< 0.069]	不検出[< 0.062]		
36	徳島県(徳島市) [Tokushima] [Tokushima]	不検出[< 0.33]	不検出[< 0.063]	不検出[< 0.055]		
37	香川県(高松市) [Kagawa] [Takamatsu]	不検出[< 0.13]	不検出[< 0.071]	不検出[< 0.063]		
38	愛媛県(松山市) [Ehime] [Matsuyama]	不検出[< 0.20]	不検出[< 0.040]	不検出[< 0.040]		
39	高知県(高知市) [Kochi] [Kochi]	不検出[< 0.27]	不検出[< 0.048]	不検出[< 0.041]		
40	福岡県(太宰府市) [Fukuoka] [Dazaifu]	不検出[< 0.29]	不検出[< 0.058]	不検出[< 0.045]		
41	佐賀県(佐賀市) [Saga] [Saga]	不検出[< 0.18]	不検出[< 0.061]	不検出[< 0.040]		
42	長崎県(大村市) [Nagasaki] [Omura]	不検出[< 0.65]	不検出[< 0.054]	不検出[< 0.066]		
43	熊本県(宇土市) [Kumamoto] [Uto]	不検出[< 0.080]	不検出[< 0.041]	不検出[< 0.035]		
44	大分県(大分市) [Oita] [Oita]	不検出[< 0.86]	不検出[< 0.047]	不検出[< 0.050]		
45	宮崎県(宮崎市) [Miyazaki] [Miyazaki]	**不検出[< 0.40]**	**不検出[< 0.070]**	**不検出[< 0.050]**		**測定中であったが到着 [Measurements arrived,though it had delayed.]**
46	鹿児島県(鹿児島市) [Kagoshima] [Kagoshima]	不検出[< 0.66]	不検出[< 0.068]	不検出[< 0.057]		
47	沖縄県(うるま市) [Okinawa] [Uruma]	不検出[< 0.060]	不検出[< 0.035]	不検出[< 0.034]		

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8月分 [Aug, 2019]）

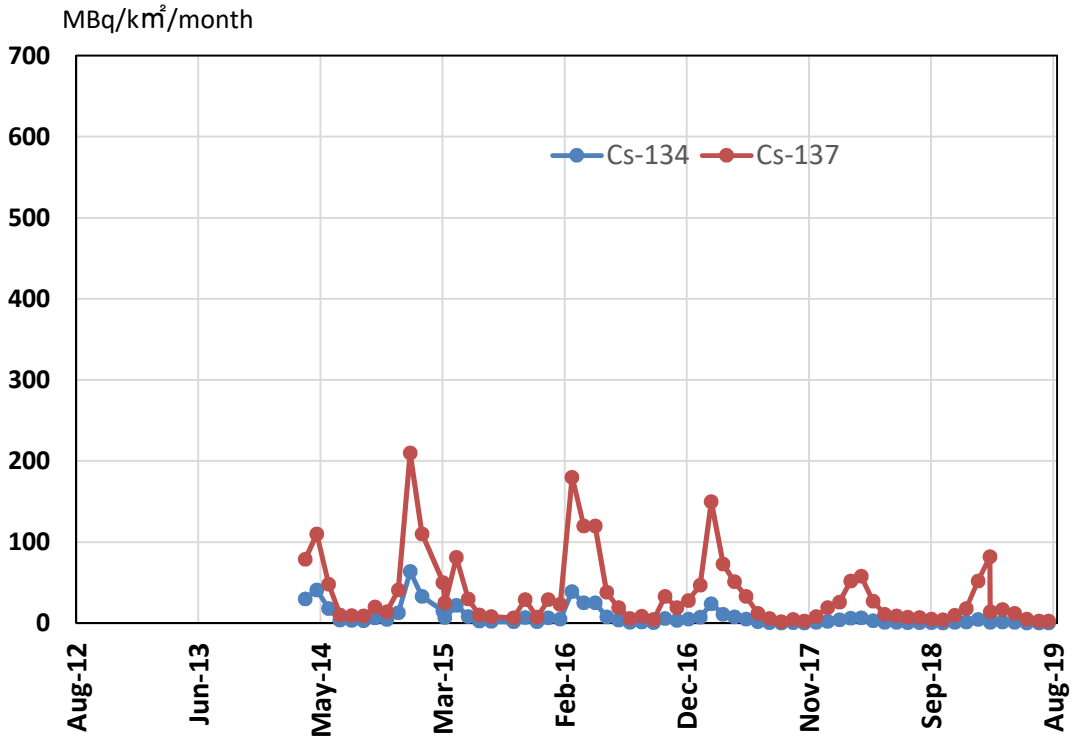
2019.9.30 [Sep 30, 2019]

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[< 0.28]	不検出[< 0.055]	不検出[< 0.041]		
2	青森県(青森市) [Aomori] [Aomori]	不検出[< 0.21]	不検出[< 0.061]	不検出[< 0.051]		
3	岩手県(盛岡市) [Iwate] [Morioka]	不検出[< 0.63]	不検出[< 0.065]	0.067		
4	宮城県(仙台市) [Miyagi] [Sendai]	不検出[< 0.13]	不検出[< 0.059]	0.15		
5	秋田県(秋田市) [Akita] [Akita]	不検出[< 0.25]	不検出[< 0.053]	不検出[< 0.052]		
6	山形県(山形市) [Yamagata] [Yamagata]	不検出[< 0.17]	不検出[< 0.061]	0.38		
7	福島県(福島市) [Fukushima] [Fukushima]	不検出[< 0.15]	0.16	2.4		
8	茨城県(ひたちなか市) [Ibaraki] [Hitachinaka]	不検出[< 0.50]	不検出[< 0.11]	0.64		
9	栃木県(宇都宮市) [Tochigi] [Utsunomiya]	不検出[< 0.40]	不検出[< 0.089]	0.19		
10	群馬県(前橋市) [Gunma] [Maebashi]	不検出[< 0.16]	不検出[< 0.069]	0.19		
11	埼玉県（比企郡） [Saitama][Hiki]	不検出[< 0.19]	不検出[< 0.082]	0.098		
12	千葉県(市原市) [Chiba] [Ichihara]	不検出[< 0.17]	不検出[< 0.055]	0.20		
13	東京都(新宿区) [Tokyo] [Shinjuku]	不検出[< 0.074]	0.043	0.50		
14	神奈川県(茅ヶ崎市) [Kanagawa] [Chigasaki]	不検出[< 0.099]	不検出[< 0.045]	0.20		
15	新潟県(新潟市) [Niigata] [Niigata]	不検出[< 0.20]	不検出[< 0.044]	不検出[< 0.038]		
16	富山県(射水市) [Toyama] [Imizu]	不検出[< 0.17]	不検出[< 0.046]	不検出[< 0.037]		
17	石川県(金沢市) [Ishikawa] [Kanazawa]	不検出[< 0.20]	不検出[< 0.041]	不検出[< 0.032]		
18	福井県(福井市) [Fukui] [Fukui]	不検出[< 0.25]	不検出[< 0.063]	不検出[< 0.047]		
19	山梨県(甲府市) [Yamanashi] [Kofu]	不検出[< 0.46]	不検出[< 0.077]	不検出[< 0.071]		
20	長野県(長野市) [Nagano] [Nagano]	不検出[< 0.088]	不検出[< 0.047]	不検出[< 0.044]		
21	岐阜県(各務原市) [Gifu] [Kakamigahara]	不検出[< 0.26]	不検出[< 0.068]	不検出[< 0.058]		
22	静岡県(牧之原市) [Shizuoka] [Makinohara]	不検出[< 0.13]	不検出[< 0.048]	不検出[< 0.041]		
23	愛知県(名古屋市) [Aichi] [Nagoya]	不検出[< 0.16]	不検出[< 0.049]	不検出[< 0.039]		
24	三重県(四日市市) [Mie] [Yokkaichi]	不検出[< 0.22]	不検出[< 0.070]	不検出[< 0.042]		
25	滋賀県(大津市) [Shiga] [Otsu]	不検出[< 0.32]	不検出[< 0.066]	不検出[< 0.055]		
26	京都府(京都市) [Kyoto] [Kyoto]	不検出[< 0.22]	不検出[< 0.047]	不検出[< 0.041]		
27	大阪府(大阪市) [Osaka] [Osaka]	不検出[< 0.066]	不検出[< 0.039]	不検出[< 0.036]		
28	兵庫県(加古川市) [Hyogo] [Kakogawa]	不検出[< 0.070]	不検出[< 0.048]	不検出[< 0.039]		
29	奈良県(桜井市) [Nara] [Sakurai]	不検出[< 0.61]	不検出[< 0.056]	不検出[< 0.053]		
30	和歌山県(和歌山市) [Wakayama] [Wakayama]					**現在測定中 [Under Measurement]**
31	鳥取県(東伯郡) [Tottori] [Touhaku]	不検出[< 0.11]	不検出[< 0.072]	不検出[< 0.061]		
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[< 0.062]	不検出[< 0.043]	不検出[< 0.038]		
34	広島県(広島市) [Hiroshima] [Hiroshima]					**現在測定中 [Under Measurement]**
35	山口県(山口市) [Yamaguchi] [Yamaguchi]	不検出[< 0.40]	不検出[< 0.079]	不検出[< 0.062]		
36	徳島県(徳島市) [Tokushima] [Tokushima]	不検出[< 0.26]	不検出[< 0.067]	不検出[< 0.058]		
37	香川県(高松市) [Kagawa] [Takamatsu]	不検出[< 0.14]	不検出[< 0.073]	不検出[< 0.057]		
38	愛媛県(松山市) [Ehime] [Matsuyama]	不検出[< 0.20]	不検出[< 0.050]	不検出[< 0.040]		
39	高知県(高知市) [Kochi] [Kochi]	不検出[< 0.21]	不検出[< 0.046]	不検出[< 0.041]		
40	福岡県(太宰府市) [Fukuoka] [Dazaifu]	不検出[< 0.22]	不検出[< 0.060]	不検出[< 0.045]		
41	佐賀県(佐賀市) [Saga] [Saga]					**現在測定中 [Under Measurement]**
42	長崎県(大村市) [Nagasaki] [Omura]	不検出[< 0.63]	不検出[< 0.050]	不検出[< 0.060]		
43	熊本県(宇土市) [Kumamoto] [Uto]	不検出[< 0.080]	不検出[< 0.041]	不検出[< 0.035]		
44	大分県(大分市) [Oita] [Oita]	不検出[< 0.70]	不検出[< 0.053]	不検出[< 0.045]		
45	宮崎県(宮崎市) [Miyazaki] [Miyazaki]					**現在測定中 [Under Measurement]**
46	鹿児島県(鹿児島市) [Kagoshima] [Kagoshima]	不検出[< 0.48]	不検出[< 0.065]	不検出[< 0.078]		
47	沖縄県(うるま市) [Okinawa] [Uruma]	不検出[< 0.16]	不検出[< 0.039]	不検出[< 0.031]		

不検出 : Not detected activity

1. 原子力規制委員会が各都道府県等からの報告に基づき作成 [1. The table was made by Nuclear Regulation Authority, based on the reports from prefectures]
2. 1ヶ月間採取し続けた降下物を測定した結果 [2. Measurements of fallout collected during the month]
3. 検出下限値は試料及び測定の状況により、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8月19日

Radioactivity concentration in the seawater near Fukushima Dai-ichi NPP
(Based on the press release of TEPCO※1)
Sampling Date: Aug 19, 2019

令和元年9月27日
Sep 27, 2019

		Cs-134	Cs-137	H-3	全α (gross α)	全β (gross β)	Sr-90	Pu-238	Pu-239+240	
		放射性物質濃度（検出下限値）（Bq/L）（ND※2：不検出） Radioactivity concentration (Lower detection limit) (Bq/L) (ND※2 : Not Detectable)								
T-1	2019/5/6 7:50	0.010	0.12	1.5	ND(2.2)	11	0.0053			O
	2019/5/13 7:40	0.0062	0.082							O
	2019/5/20 7:50	0.016	0.20							O
	2019/5/27 7:50	0.010	0.13							O
	2019/6/3 7:45	0.0098	0.13	ND(0.89)	ND(1.9)	11	0.0051			O
	2019/6/10 8:00	0.0019	0.032							O
	2019/6/17 7:55	0.0025	0.033							O
	2019/6/24 8:25	0.0019	0.029							O
	2019/7/1 7:20	0.0047	0.056	ND(0.94)	ND(2.0)	8.4	0.0037			O
	2019/7/8 7:20	0.017	0.22							O
	2019/7/15 7:25	0.011	0.14							O
	2019/7/22 7:55	0.0044	0.058							O
	2019/7/29 7:20	0.017	0.22							O
	2019/8/5 7:50	0.012	0.17							O
	2019/8/12 7:00	0.0043	0.053							O
	2019/8/19 7:55	**0.0081**	**0.12**							O
T-2	2019/5/6 7:00	0.0019	0.025	ND(0.92)	ND(2.3)	11	0.0014			O
	2019/5/13 6:55	0.0025	0.034							O
	2019/5/20 6:55	0.0021	0.029							O
	2019/5/27 6:55	0.0038	0.046							O
	2019/6/3 6:55	0.0039	0.051	ND(0.89)	ND(2.0)	12	0.0023			O
	2019/6/10 7:10	0.0031	0.037							O
	2019/6/17 7:05	0.0044	0.058							O
	2019/6/24 7:05	0.0058	0.069							O
	2019/7/1 6:20	0.0039	0.045	ND(0.95)	ND(2.1)	10	0.0037			O
	2019/7/8 6:25	0.019	0.27							O
	2019/7/15 6:35	0.0032	0.045							O
	2019/7/22 6:55	0.0097	0.13							O
	2019/7/29 6:30	0.0028	0.040							O
	2019/8/5 6:50	0.0035	0.051							O
	2019/8/12 7:45	0.0059	0.078							O
	2019/8/19 7:05	**0.0025**	**0.038**							O

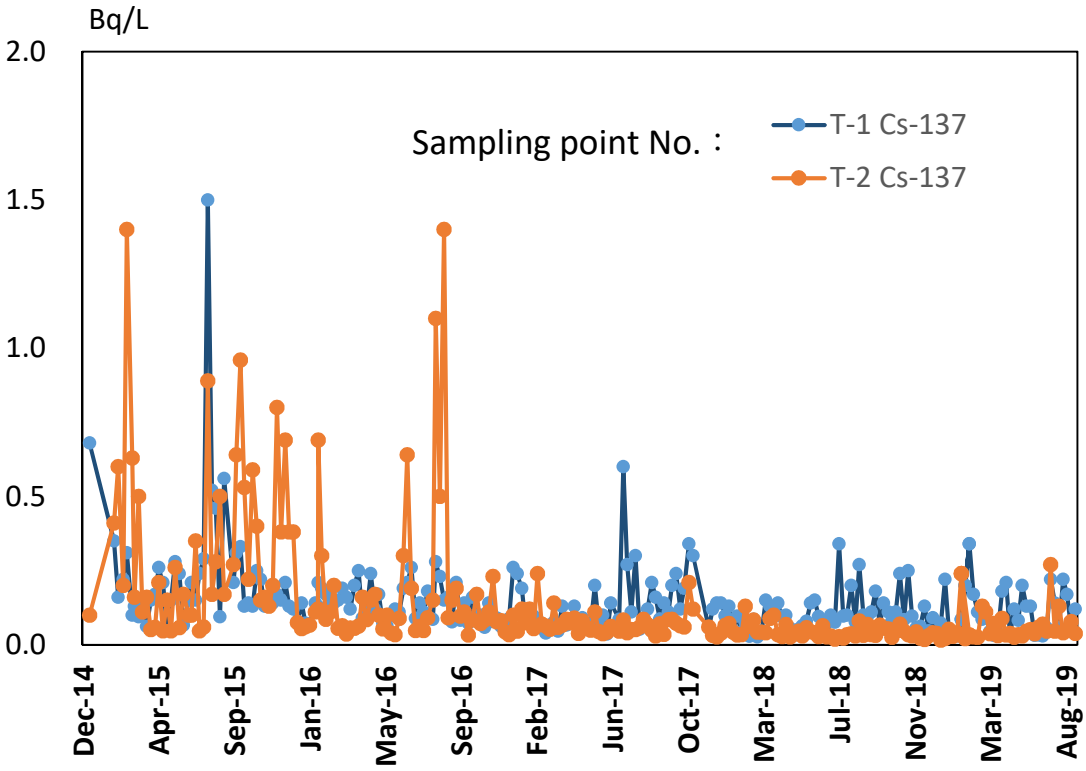
O：上層（表層～2m） Outer Layer

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

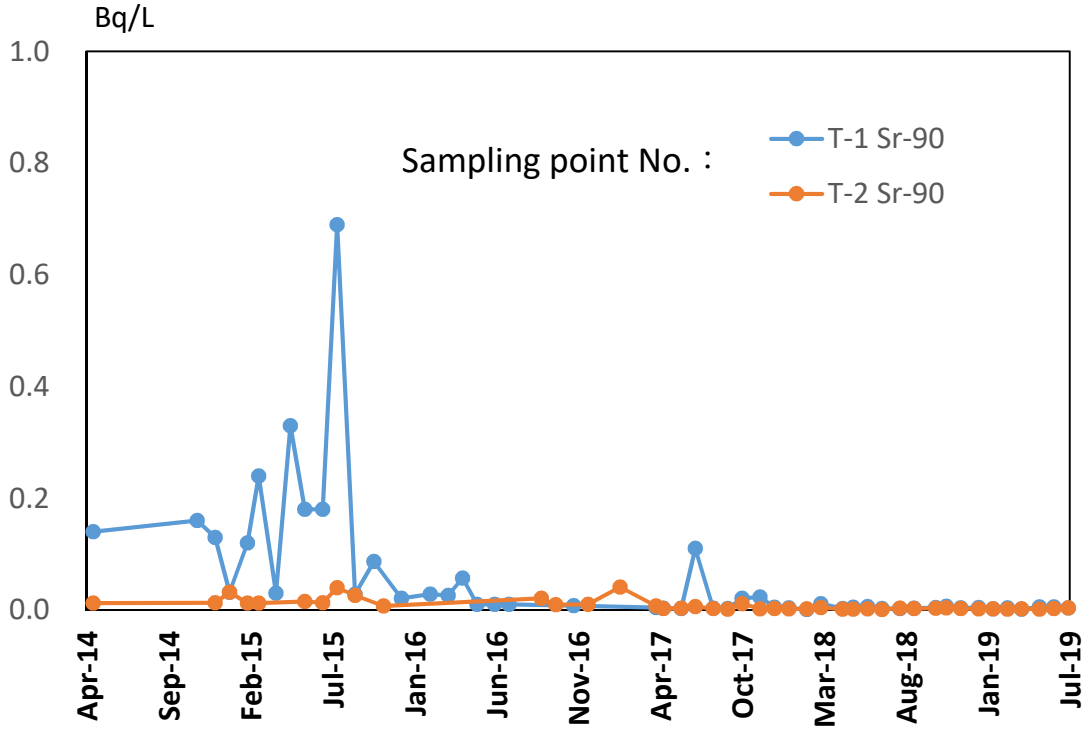
※1 東京電力ホールディングス㈱の発表(http://www.tepco.co.jp/decommision/planaction/monitoring/index-j.html)
※1 Press release of TEPCO (http://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/index-e.html)

※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6月13日、14日
(Sampling Date: Jun 13, 14, 2019)

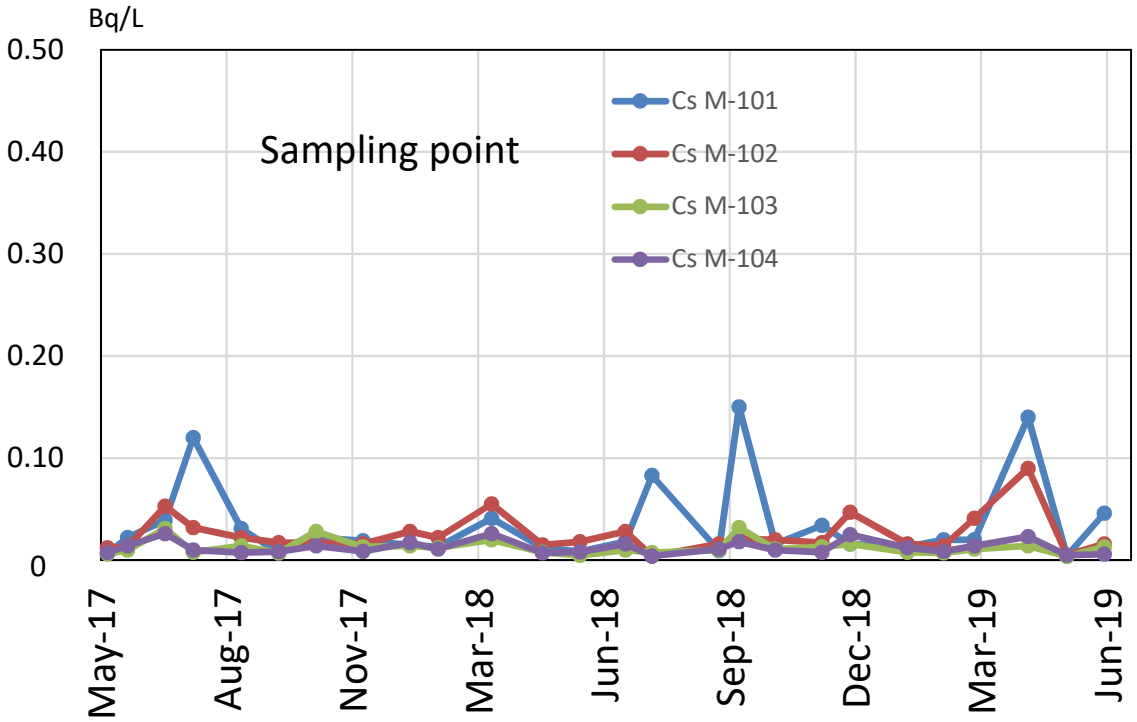
令和元年9月20日
Sep 20, 2019
原 子 力 規 制 委 員 会
Nuclear Regulation Authority (NRA)

			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	2018/7/11	0.5	0.0087	0.083	0.0054	0.36
	2018/8/30	0.5	0.00083	0.0093	0.0011	0.099
	2018/9/14	0.5	0.015	0.15	0.011	0.36
	2018/10/11	0.5	0.0014	0.016	0.00084	0.10
	2018/11/15	0.5	0.0033	0.034	0.0016	0.12
	2018/12/6	0.5	0.0013	0.016	0.00097	0.13
	2019/1/18	0.5	0.0012	0.013	0.0014	0.053
	2019/2/14	0.5	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**		**0.075**
M-102	2018/7/12	0.5	0.00044	0.0040	0.00082	0.099
	2018/8/29	0.5	0.0016	0.016	0.00088	0.073
	2018/9/13	0.5	0.0019	0.021	0.0011	0.12
	2018/10/12	0.5	0.0015	0.020	0.0010	0.20
	2018/11/16	0.5	0.0015	0.017	0.00099	0.094
	2018/12/7	0.5	0.0040	0.047	0.0014	0.17
	2019/1/17	0.5	0.0012	0.016	0.00093	0.053
	2019/2/15	0.5	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**		**0.10**
M-103	2018/7/11	0.5	0.00067	0.0075	0.00091	0.078
	2018/8/30	0.5	0.0010	0.0098	0.00099	0.10
	2018/9/14	0.5	0.0026	0.032	0.0022	0.14
	2018/10/11	0.5	0.0010	0.011	0.00083	0.077
	2018/11/15	0.5	0.0012	0.013	0.00093	0.080
	2018/12/6	0.5	0.0013	0.016	0.0011	0.10
	2019/1/18	0.5	0.00063	0.0078	0.00095	0.051
	2019/2/14	0.5	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**		**0.085**
M-104	2018/7/12	0.5	0.00044	0.0041	0.00098	0.070
	2018/8/29	0.5	0.00092	0.011	0.0010	0.11
	2018/9/13	0.5	0.0013	0.018	0.0010	0.13
	2018/10/12	0.5	0.00077	0.0098	0.00072	0.081
	2018/11/16	0.5	0.00059	0.0078	0.00094	0.073
	2018/12/7	0.5	0.0022	0.025	0.0011	0.13
	2019/1/17	0.5	0.00098	0.012	0.00098	0.060
	2019/2/15	0.5	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**		**0.069**

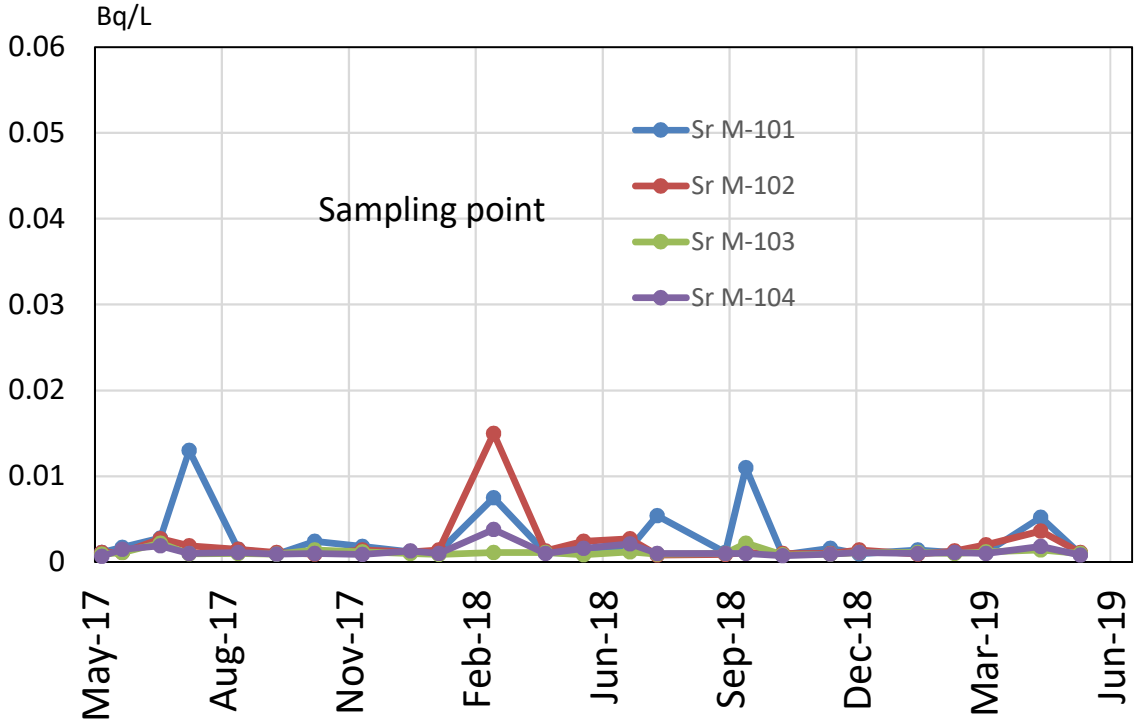
※ NDの記載は、海水の放射性物質濃度の検出値が検出下限値を下回る場合。
※ ND indicates the case that the detected radioactivity concentration in seawater was lower than the detection limits.

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

※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）

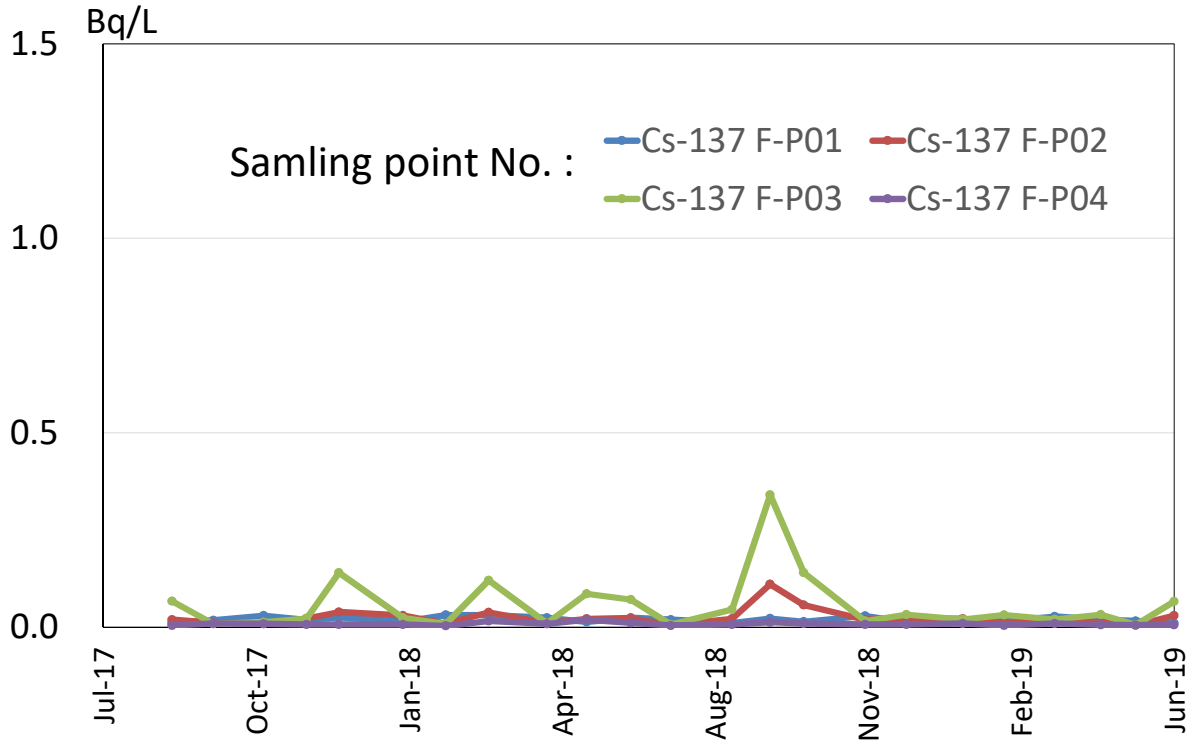
Radioactivity concentration in the seawater around Fukushima Dai-ichi NPP
(Based on the press release of Fukushima Prefecture※1)

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)

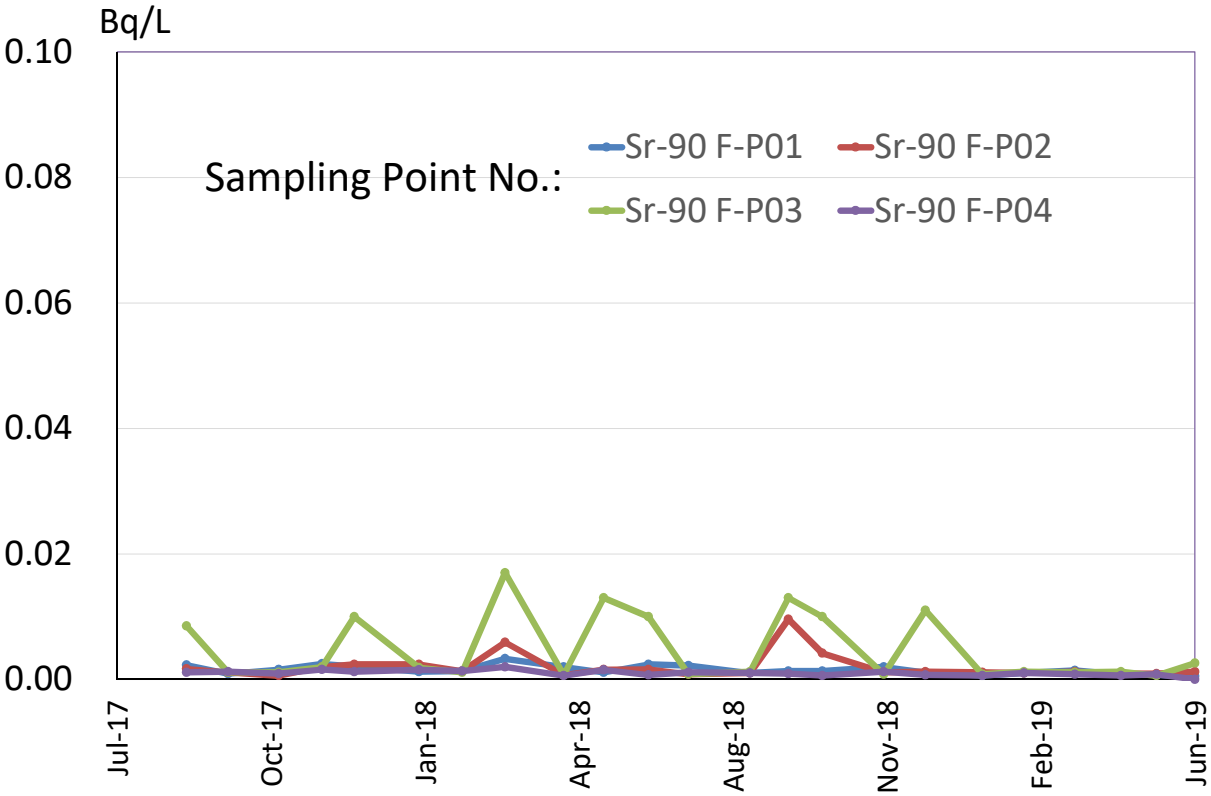
	採取日 Sampling date	Cs-134	Cs-137	H-3	全β Gross β	Sr-90	Pu-238	Pu-239+240
夫沢・熊川沖2km（大熊町）(F-P05)	2018/5/16	ND	0.009	ND	0.02	0.0011	ND	ND
	2018/6/14	ND	0.007	ND	0.02	0.0007	ND	0.000005
	2018/7/10	ND	0.008	ND	0.02	0.001	ND	ND
	2018/8/19	ND	0.007	ND	0.02	0.001	ND	ND
	2018/9/13	ND	0.020	ND	ND	0.0012	ND	ND
	2018/10/5	ND	0.009	ND	0.02	0.0011	ND	ND
	2018/11/14	ND	0.008	ND	0.02	0.001	ND	ND
	2018/12/11	ND	0.003	ND	0.03	0.001	ND	ND
	2019/1/17	ND	0.007	ND	0.02	0.0008	ND	0.000007
	2019/2/13	ND	0.004	ND	0.03	0.0008	ND	0.000006
	2019/3/14	ND	0.012	ND	0.03	0.0010	ND	0.000010
	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
前田川沖2km（双葉町）(F-P06)	2018/5/16	ND	0.006	ND	0.02	0.001	ND	0.000007
	2018/6/14	ND	0.01	ND	0.02	0.0008	ND	ND
	2018/7/10	ND	0.005	ND	0.03	0.0006	ND	ND
	2018/8/19	ND	0.006	ND	ND	0.0007	ND	ND
	2018/9/13	ND	0.019	ND	0.02	0.0016	ND	ND
	2018/10/5	ND	0.007	ND	0.03	0.001	ND	ND
	2018/11/14	ND	0.008	ND	0.02	0.0009	ND	ND
	2018/12/11	ND	0.007	ND	0.02	0.0009	ND	ND
	2019/1/17	ND	0.008	ND	0.03	0.0009	ND	0.000005
	2019/2/13	ND	0.008	ND	0.03	0.0010	ND	0.000005
	2019/3/18	ND	0.011	ND	0.03	0.0009	ND	0.000009
	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

※1 福島県の発表(http://www.pref.fukushima.lg.jp/site/portal/genan208.html)
※1 Press release of Fukushima Prefecture (http://www.pref.fukushima.lg.jp/site/portal/genan208.html)

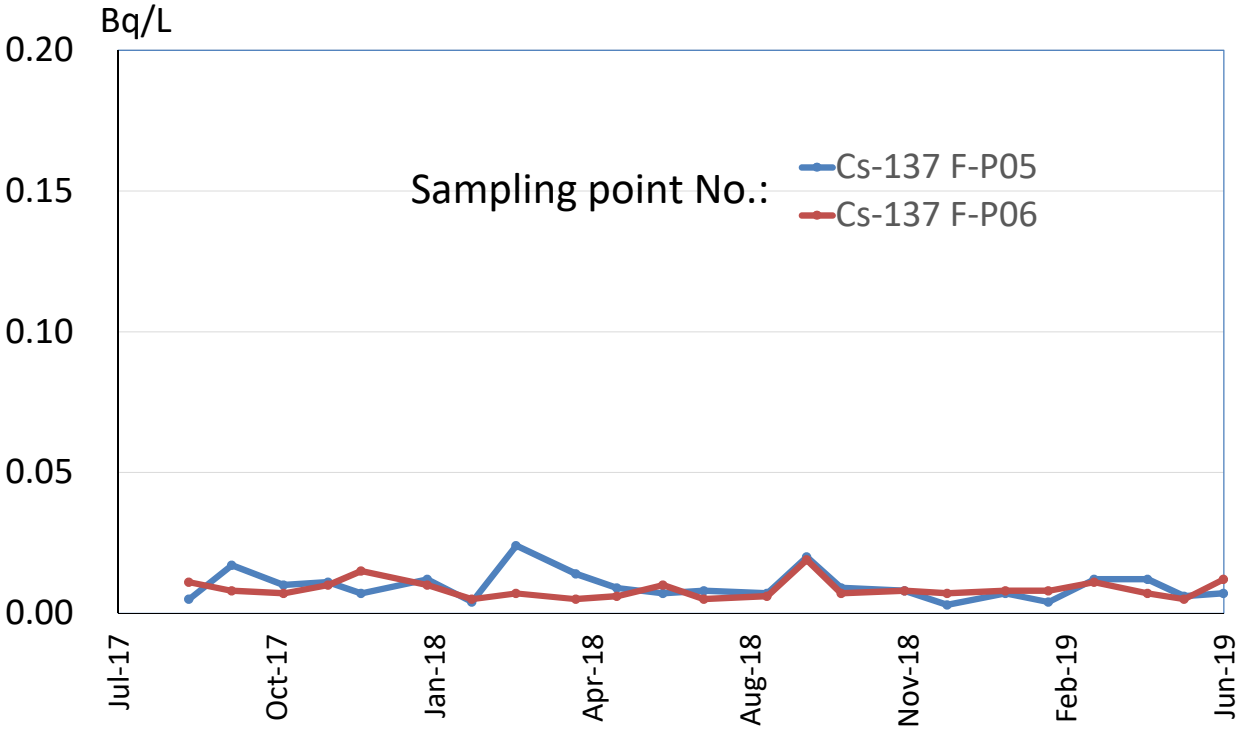
※2 NDの記載は、海水の放射性物質濃度の検出値が検出下限値を下回る場合。
※2 ND indicates the case that the detected radioactivity concentration in seawater was lower than the detection



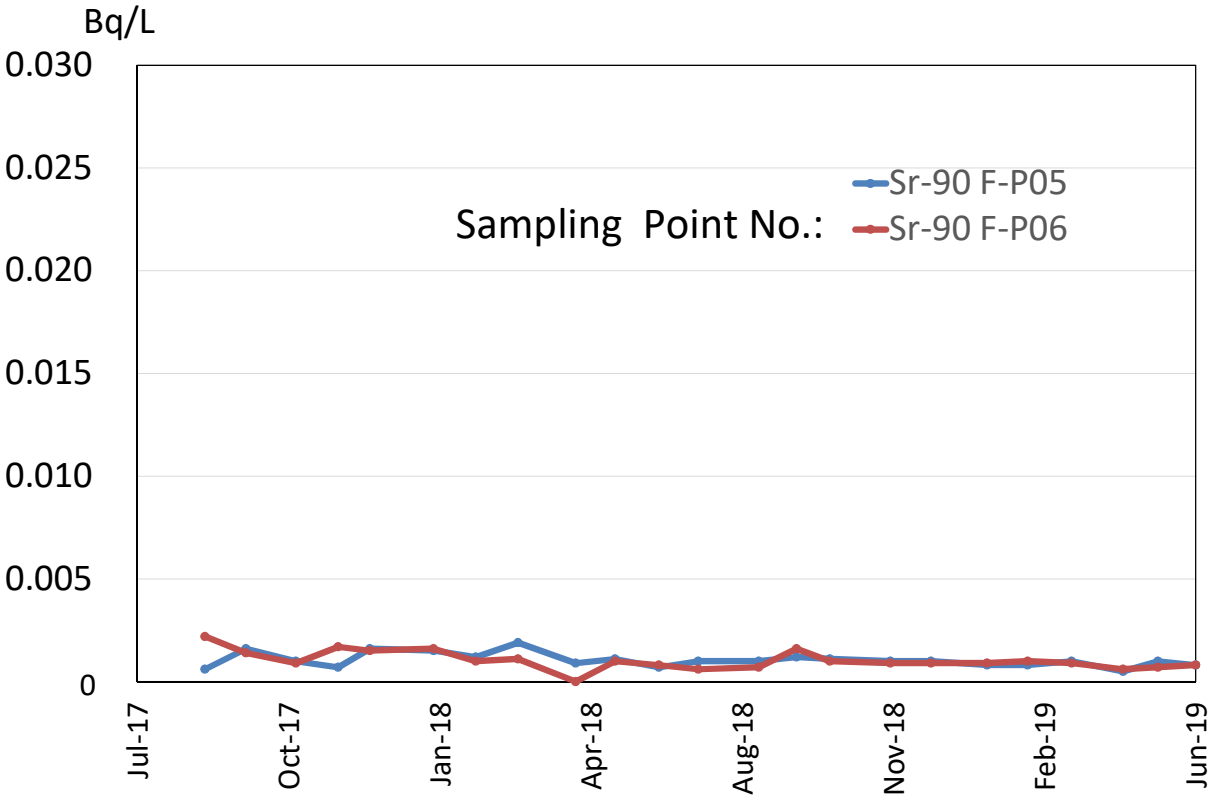
Concentration ranges of Cs-137 in sea-water near
the Fukushima Daiichi NPS surveyed by Fukushima prefecture



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



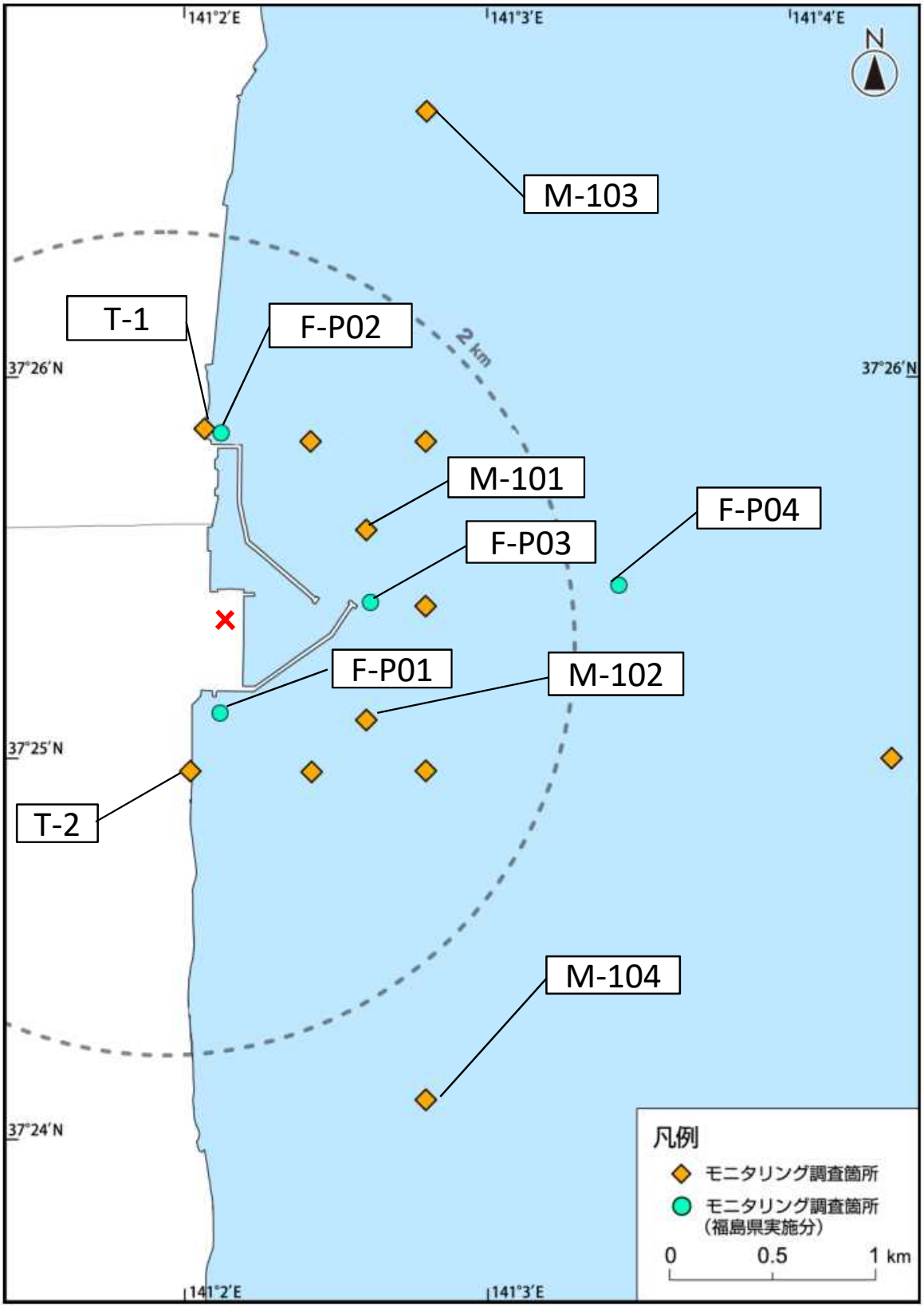
Concentration ranges of Cs-137 in sea-water around
the Fukushima Daiichi NPS surveyed by Fukushima prefectuer



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

福島第一原子力発電所近傍海域の海水採取ポイント

(Seawater sampling points near and around Fukushima Dai-ichi NPP)



* 図中の × は東京電力ホールディングス㈱福島第一原子力発電所を示す。

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

福島第一原子力発電所沿岸海域の海水の放射性物質濃度測定結果
（東京電力ホールディングス㈱の発表をもとに作成※1）
試料採取日：令和元年8月20日

Radioactivity concentration in the seawater around Fukushima Dai-ichi NPP
(Based on the press release of TEPCO※1)
Sampling Date: Aug 20, 2019

令和元年9月27日
Sep 27, 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-3	2019/5/7 14:05	0.0014	0.016	ND(0.33)		ND(15)				O
	2019/5/14 11:10	ND(0.0012)	0.0042							O
	2019/5/24 10:10	ND(0.0013)	0.016	0.76		ND(14)				O
	2019/5/28 14:05	0.0014	0.019							O
	2019/6/4 13:45	0.0015	0.016	0.57		ND(15)				O
	2019/6/11 13:50	0.0020	0.025							O
	2019/6/18 14:30	0.0016	0.017	ND(0.35)		ND(15)				O
	2019/6/25 11:20	0.0020	0.025							O
	2019/7/2 11:30	0.0017	0.021	0.42		ND(16)				O
	2019/7/9 11:25	0.0037	0.047							O
	2019/7/16 14:20	0.0015	0.027	0.32		ND(14)				O
	2019/7/23 11:30	0.0022	0.033							O
	2019/7/30 11:35	ND(0.0012)	0.011							O
	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**							O
T-4	2019/5/7 8:10	ND(0.0012)	0.0086							O
	2019/5/14 8:30	ND(0.0012)	0.010							O
	2019/5/24 8:20	0.0012	0.012							O
	2019/5/28 11:00	0.0013	0.014							O
	2019/6/4 14:40	ND(0.0012)	0.0095							O
	2019/6/11 10:55	0.0013	0.017							O
	2019/6/18 11:50	0.0011	0.011							O
	2019/6/25 13:50	0.0015	0.019							O
	2019/7/2 13:55	0.0016	0.017							O
	2019/7/9 14:05	0.0019	0.027							O
	2019/7/16 11:10	0.0016	0.024							O
	2019/7/23 14:25	0.0034	0.039							O
	2019/7/30 14:30	0.0019	0.022							O
	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
T-6	2019/5/7 9:35	ND(0.0014)	0.010	0.39		ND(17)				O
	2019/5/14 10:00	ND(0.0012)	0.0063							O
	2019/5/24 11:35	0.0021	0.023	0.64		ND(16)				O
	2019/5/28 9:50	ND(0.0013)	0.011							O
	2019/6/4 10:15	0.0018	0.018	0.54		ND(16)				O
	2019/6/11 9:20	ND(0.0012)	0.016							O
	2019/6/18 10:25	ND(0.0013)	0.012	0.35		ND(18)				O
	2019/6/25 9:40	ND(0.0012)	0.010							O
	2019/7/2 9:25	0.0023	0.026	ND(0.35)		ND(17)				O
	2019/7/9 9:25	0.0016	0.021							O
	2019/7/16 8:55	0.0014	0.017	0.42		ND(16)				O
	2019/7/23 10:05	ND(0.0013)	0.017							O
	2019/7/30 10:10	ND(0.0014)	0.012							O
	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**							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	2019/5/8 7:08	ND(0.0012)	0.0021	ND(0.35)	ND(2.4)	ND(17)	0.0012			O
		ND(0.0012)	0.0022							L
	2019/5/13 7:05	ND(0.0013)	0.0026							O
		ND(0.0012)	0.0022							L
	2019/5/24 6:57	ND(0.00098)	0.0027	ND(0.35)		ND(18)				O
		ND(0.0012)	0.0016							L
	2019/5/27 7:22	ND(0.0013)	0.0028							O
		ND(0.0014)	0.0015							L
	2019/6/3 7:06	ND(0.0013)	0.0031	ND(0.35)	ND(2.0)	ND(17)	0.0012			O
		ND(0.0013)	0.0017							L
	2019/6/14 6:57	ND(0.0011)	0.0022							O
		ND(0.0012)	0.0021							L
	2019/6/18 7:22	ND(0.0013)	0.0026	ND(0.33)		ND(15)				O
		ND(0.0013)	0.0018							L
	2019/6/26 7:17	ND(0.0011)	0.0040							O
		ND(0.0013)	0.0028							L
	2019/7/1 7:15	ND(0.0012)	0.0024	ND(0.34)	ND(2.4)	ND(15)	0.00080			O
		ND(0.0011)	0.0022							L
	2019/7/11 7:17	ND(0.0011)	0.0026							O
		ND(0.0012)	0.0028							L
	2019/7/17 7:29	ND(0.0012)	0.0019	ND(0.38)		ND(15)				O
		ND(0.0013)	0.0029							L
	2019/7/22 7:09	ND(0.0012)	0.0024							O
		ND(0.0012)	0.0029							L
	2019/7/29 7:19	ND(0.0012)	0.0017							O
		ND(0.0012)	0.0024							L
	2019/8/6 7:23	ND(0.0012)	0.0018							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**							O
		ND(0.0014)	**0.0022**							L

T-D1	2019/5/8 8:11	ND(0.0013)	0.0046	ND(0.35)	ND(2.4)	ND(17)	0.0011			O
		ND(0.0013)	0.0048							L
	2019/5/13 7:46	ND(0.0012)	0.0045							O
		ND(0.0010)	0.0038							L
	2019/5/24 7:45	ND(0.0014)	0.0054	0.46		ND(18)				O
		ND(0.0014)	0.0042							L
	2019/5/28 8:00	ND(0.0011)	0.0048							O
		ND(0.0011)	0.0041							L
	2019/6/3 8:14	ND(0.0012)	0.0042	ND(0.35)	ND(2.3)	ND(17)	0.00068			O
		ND(0.0013)	0.0035							L
	2019/6/14 7:51	ND(0.0012)	0.0033							O
		ND(0.0013)	0.0030							L
	2019/6/17 8:04	ND(0.0013)	0.0094	ND(0.35)		ND(15)				O
		ND(0.0013)	0.0087							L
	2019/6/26 8:12	ND(0.0012)	0.0050							O
		ND(0.0013)	0.0047							L
	2019/7/2 7:54	ND(0.0012)	0.0071	ND(0.34)	ND(2.6)	ND(15)	0.00086			O
		ND(0.0014)	0.0058							L
	2019/7/10 7:55	ND(0.0012)	0.0055							O
		ND(0.0012)	0.0027							L
	2019/7/18 8:08	ND(0.0011)	0.0029	ND(0.36)		ND(18)				O
		ND(0.0012)	0.0028							L
	2019/7/22 8:06	ND(0.0011)	0.0049							O
		ND(0.0013)	0.0042							L
	2019/7/29 8:10	ND(0.0011)	0.0047							O
		ND(0.0012)	0.0043							L
	2019/8/8 8:21	ND(0.0011)	0.0030							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**							O
		ND(0.0011)	**0.0044**							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)

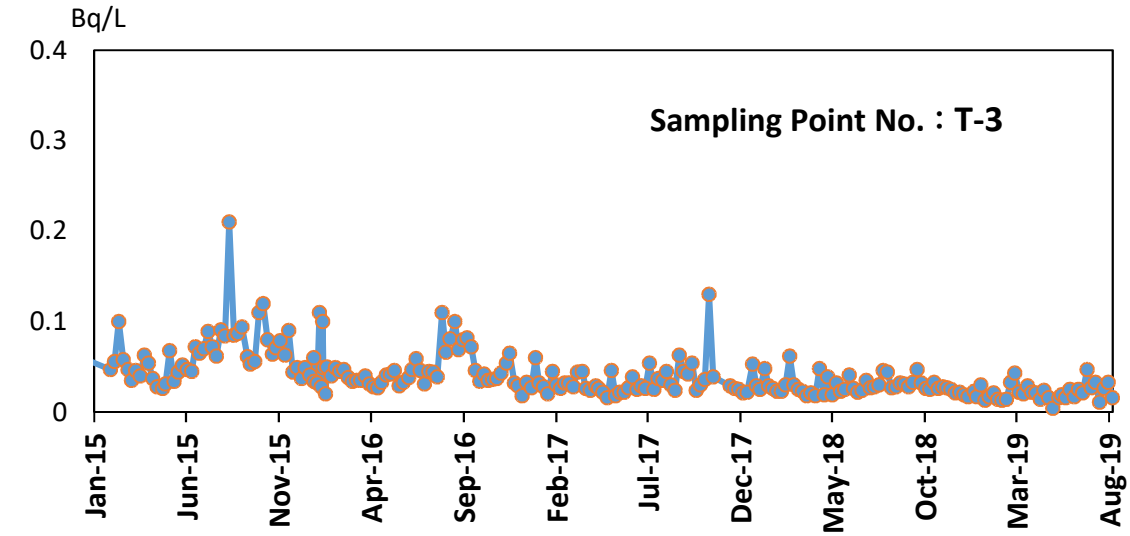
T-D5	2019/5/8 8:43	ND(0.0012)	0.0028	ND(0.35)	ND(2.4)	ND(17)	0.0011			O
		ND(0.0013)	0.0040							L
	2019/5/13 8:11	ND(0.0011)	0.0028							O
		ND(0.0012)	0.0038							L
	2019/5/24 8:13	ND(0.0014)	0.0031	0.56		ND(18)				O
		ND(0.0013)	0.0029							L
	2019/5/28 8:31	ND(0.0012)	0.011							O
		ND(0.0013)	0.0046							L
	2019/6/3 8:39	ND(0.0013)	0.0052	ND(0.35)	ND(2.3)	ND(17)	0.0011			O
		ND(0.0014)	0.0032							L
	2019/6/14 8:17	ND(0.0012)	0.0082							O
		ND(0.0013)	0.0033							L
	2019/6/17 8:30	ND(0.0011)	0.0034	ND(0.35)		ND(15)				O
		ND(0.0012)	0.0042							L
	2019/6/26 8:41	ND(0.0012)	0.0043							O
		ND(0.0012)	0.0037							L
	2019/7/2 8:17	ND(0.0012)	0.0059	ND(0.34)	ND(2.6)	ND(15)	0.0014			O
		ND(0.0012)	0.0023							L
	2019/7/10 8:19	ND(0.0013)	0.0066							O
		ND(0.0014)	0.0026							L
	2019/7/18 8:33	ND(0.0013)	0.0036	ND(0.36)		ND(18)				O
		ND(0.0011)	0.0036							L
	2019/7/22 8:32	ND(0.0013)	0.0044							O
		ND(0.0012)	0.0043							L
	2019/7/29 8:43	ND(0.0012)	0.0041							O
		ND(0.0012)	0.0037							L
	2019/8/8 8:44	ND(0.0010)	0.0046							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**							O
		ND(0.0013)	**0.0040**							L

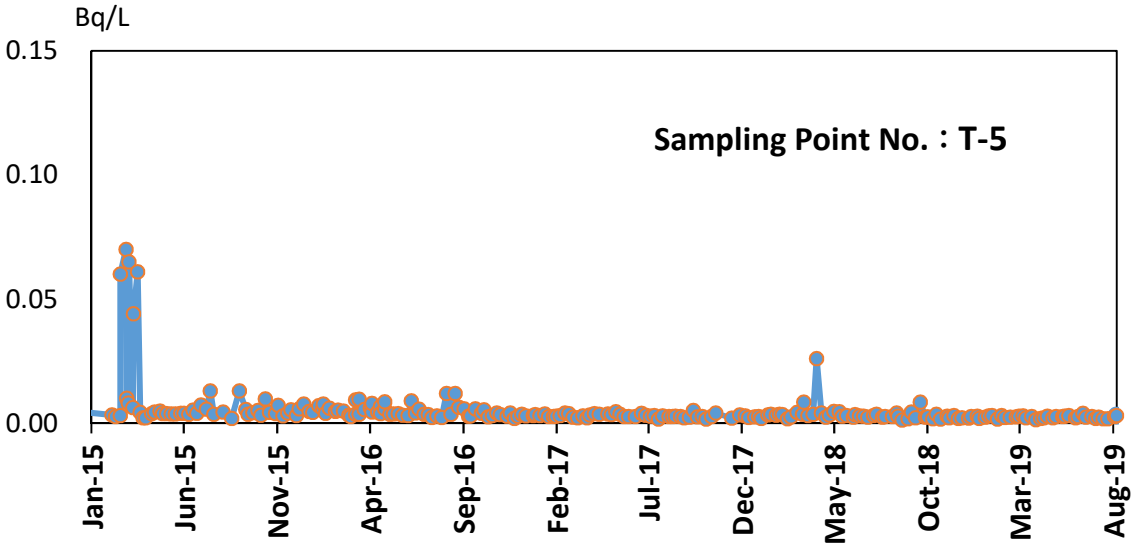
T-D9	2019/5/8 8:14	ND(0.0013)	0.0033	ND(0.35)	ND(2.4)	ND(17)	0.0014			O
		ND(0.0014)	0.0045							L
	2019/5/13 7:45	ND(0.0011)	0.0029							O
		ND(0.0013)	0.0042							L
	2019/5/24 7:40	ND(0.0013)	0.0025	0.51		ND(18)				O
		ND(0.0014)	0.0043							L
	2019/5/27 8:10	ND(0.0014)	0.0075							O
		ND(0.0012)	0.0037							L
	2019/6/3 7:56	ND(0.0012)	0.0068	ND(0.35)	ND(2.0)	ND(17)	0.0010			O
		ND(0.0011)	0.0036							L
	2019/6/14 8:06	0.0014	0.018							O
		ND(0.0011)	0.0042							L
	2019/6/18 8:15	ND(0.0013)	0.0041	0.39		ND(15)				O
		ND(0.0012)	0.0057							L
	2019/6/26 8:07	ND(0.0011)	0.0063							O
		ND(0.0010)	0.0037							L
	2019/7/1 8:51	ND(0.0012)	0.0042	ND(0.34)	ND(2.4)	ND(15)	0.0013			O
		ND(0.0012)	0.0048							L
	2019/7/11 8:11	ND(0.0011)	0.0046							O
		ND(0.0012)	0.0030							L
	2019/7/17 8:24	ND(0.0012)	0.0024	ND(0.38)		ND(15)				O
		ND(0.0012)	0.0038							L
	2019/7/22 7:54	ND(0.0012)	0.0055							O
		ND(0.0012)	0.0042							L
	2019/7/29 8:03	ND(0.0013)	0.0036							O
		ND(0.0013)	0.0043							L
	2019/8/6 8:17	ND(0.0011)	0.010							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**							O
		ND(0.0012)	**0.0042**							L

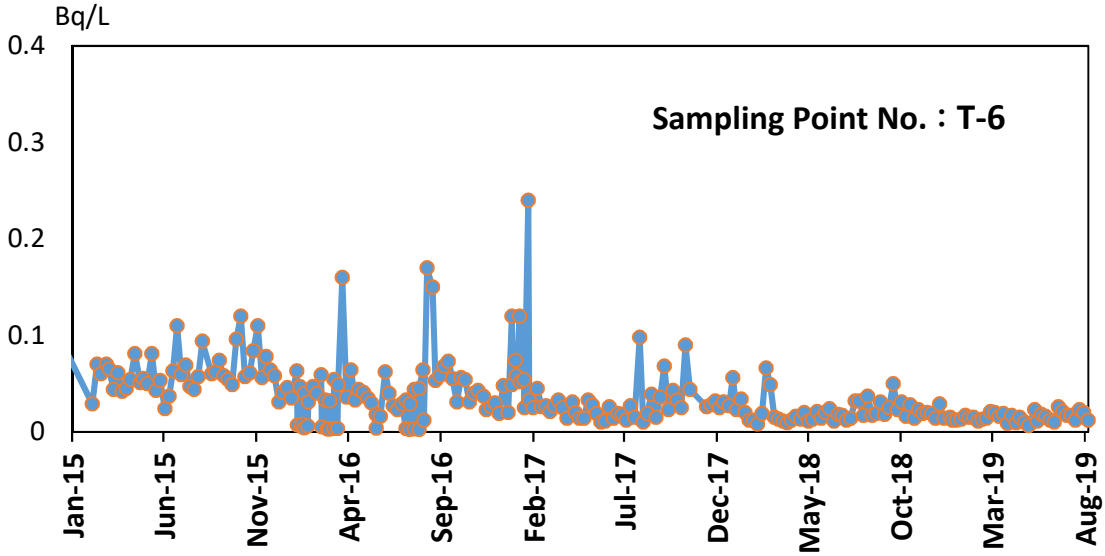
O：上層（表層～2m） Outer Layer
L：下層（海底より2～3m上） Lower Layer

	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	2019/5/8 8:51	ND(0.0013)	0.0042	O
		ND(0.0014)	0.0045	L
	2019/5/13 8:13	ND(0.0014)	0.0022	O
		0.0012	0.016	L
	2019/5/24 8:09	ND(0.0012)	0.0086	O
		ND(0.0013)	0.0061	L
	2019/5/27 8:41	ND(0.0013)	0.0052	O
		ND(0.0010)	0.0057	L
	2019/6/3 8:27	ND(0.0014)	0.0061	O
		ND(0.0010)	0.0034	L
	2019/6/14 8:39	ND(0.0011)	0.0056	O
		ND(0.0012)	0.0040	L
	2019/6/18 8:48	ND(0.0014)	0.0052	O
		ND(0.0014)	0.0092	L
	2019/6/26 8:35	ND(0.0012)	0.0057	O
		ND(0.0012)	0.0034	L
	2019/7/1 9:20	ND(0.0012)	0.0080	O
		ND(0.0013)	0.0056	L
	2019/7/11 8:43	ND(0.0012)	0.012	O
		ND(0.0012)	0.0052	L
	2019/7/17 9:01	ND(0.0013)	0.010	O
		ND(0.0014)	0.0043	L
	2019/7/22 8:20	ND(0.0013)	0.0055	O
		ND(0.0013)	0.0057	L
	2019/7/29 8:34	ND(0.0013)	0.0058	O
		ND(0.0013)	0.0038	L
	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
T-14	2019/5/8 7:25	ND(0.0015)	0.0039	O
		ND(0.0015)	0.0044	L
	2019/5/13 7:26	ND(0.0011)	0.0035	O
		ND(0.0011)	0.0031	L
	2019/5/24 7:21	ND(0.0012)	0.0086	O
		ND(0.0011)	0.0055	L
	2019/5/28 7:33	ND(0.0013)	0.0041	O
		ND(0.0012)	0.0044	L
	2019/6/3 7:37	ND(0.0012)	0.0045	O
		ND(0.0011)	0.0018	L
	2019/6/14 7:26	ND(0.0011)	0.0056	O
		ND(0.0010)	0.0053	L
	2019/6/17 7:44	ND(0.0011)	0.0040	O
		ND(0.0012)	0.0055	L
	2019/6/26 7:51	ND(0.0015)	0.0040	O
		ND(0.0015)	0.0039	L
	2019/7/2 7:27	ND(0.0011)	0.0042	O
		ND(0.0011)	0.0033	L
	2019/7/10 7:34	ND(0.0011)	0.0037	O
		ND(0.0012)	0.0028	L
	2019/7/18 7:48	ND(0.0013)	0.0041	O
		ND(0.0012)	0.0035	L
	2019/7/22 7:46	ND(0.0013)	0.0048	O
		ND(0.0013)	0.0032	L
	2019/7/29 7:45	ND(0.0011)	0.0042	O
		ND(0.0013)	0.0040	L
	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

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



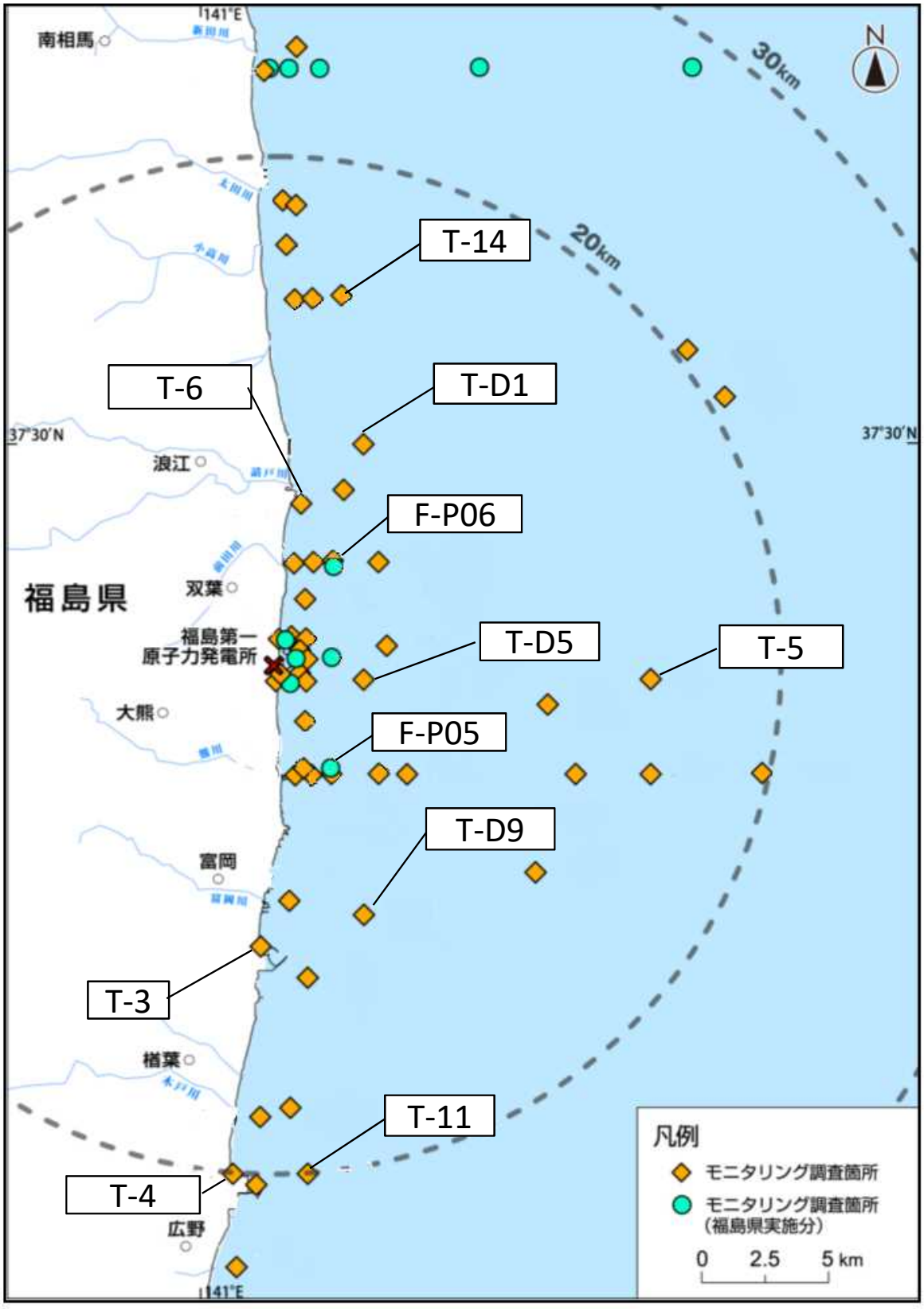




Concentration ranges of Cs-137 in sea-water around the Fukushima Daiichi NPS surveyed by TEPCO

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8月1日～22日

Radioactivity concentration in the sediment near and around Fukushima Dai-ichi NPP
(Based on the press release of TEPCO※1)
Sampling Date: Aug 1 – 22, 2019

令和元年9月20日
Sep 20, 2019

Cs-134	Cs-137	Sr-90	Pu-238	Pu-239+240

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

近傍海域

T-1	2019/5/6 7:50	24	310	ND(0.87)		
	2019/6/3 7:45	15	150			
	2019/7/1 7:20	24	400	ND(0.76)		
	2019/8/5 7:50	**23**	**280**			

T-2	2019/5/6 7:00	13	160	ND(0.88)		
	2019/6/3 6:55	14	190			
	2019/7/1 6:20	11	150	ND(0.67)		
	2019/8/5 6:50	**10**	**150**			

沿岸海域

T-3	2019/5/7 14:05	3.7	61
	2019/6/4 13:45	7.5	95
	2019/7/2 11:30	3.5	52
	2019/8/6 11:25	**5.8**	**100**

T-4	2019/5/7 8:10	3.6	49
	2019/6/4 14:40	3.2	59
	2019/7/2 13:55	7.2	72
	2019/8/6 14:00	**5.6**	**55**

T-5	2019/5/8 7:08	3.4	49
	2019/6/3 7:06	ND(2.6)	38
	2019/7/1 7:15	5.9	59
	2019/8/6 7:23	**3.5**	**53**

T-11	2019/5/8 8:51	ND(2.7)	21
	2019/6/3 8:27	ND(2.5)	24
	2019/7/1 9:20	ND(2.6)	26
	2019/8/6 9:04	**ND(2.6)**	**19**

T-14	2019/5/8 7:25	ND(2.0)	ND(2.4)
	2019/6/3 7:37	ND(1.9)	ND(2.3)
	2019/7/2 7:27	ND(2.3)	3.4
	2019/8/8 7:47	**ND(1.7)**	**3.4**

T-①	2019/5/15 7:36	2.6	17
	2019/6/19 7:48	ND(2.9)	11
	2019/7/5 8:08	ND(2.1)	14
	2019/8/22 7:55	**ND(2.3)**	**16**

T-②	2019/5/15 7:26	ND(2.8)	11
	2019/6/19 7:42	ND(2.6)	12
	2019/7/5 8:01	ND(2.6)	7.6
	2019/8/22 7:45	**ND(2.5)**	**12**

T-③	2019/5/15 8:22	6.8	97
	2019/6/19 8:24	7.0	94
	2019/7/5 8:47	6.6	78
	2019/8/22 8:35	**11**	**130**

T-④	2019/5/15 8:14	4.8	67
	2019/6/19 8:17	3.5	44
	2019/7/5 8:40	4.3	52
	2019/8/22 8:28	**3.9**	**57**

T-⑤	2019/5/15 8:04	ND(2.3)	19
	2019/6/19 8:11	3.3	41
	2019/7/5 8:32	6.8	63
	2019/8/22 8:21	**ND(3.3)**	**42**

T-⑥	2019/5/29 8:04	11	160
	2019/6/21 7:29	15	220
	2019/7/10 7:54	13	190
	2019/8/5 7:32	**11**	**170**

T-⑦	2019/5/29 7:56	17	250
	2019/6/21 7:22	10	130
	2019/7/10 7:45	9.2	110
	2019/8/5 7:22	**9.6**	**140**

T-⑧	2019/5/29 7:47	ND(2.6)	36
	2019/6/21 7:15	2.5	29
	2019/7/10 7:33	4.0	62
	2019/8/5 7:12	**ND(2.3)**	**23**

T-⑨	2019/5/29 7:32	ND(3.0)	37
	2019/6/21 7:02	ND(2.1)	6.8
	2019/7/10 7:16	ND(1.9)	2.9
	2019/8/5 6:57	**5.6**	**69**

T-⑩	2019/5/10 7:58	ND(2.2)	7.7
	2019/6/7 8:15	ND(2.1)	14
	2019/7/12 7:51	ND(3.4)	23
	2019/8/1 8:05	**ND(2.5)**	**5.7**

T-⑪	2019/5/10 7:39	4.3	50
	2019/6/7 7:48	5.8	70
	2019/7/12 7:30	3.7	38
	2019/8/1 7:39	**3.7**	**61**

* 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	2019/5/8 8:11	5.2	54
	2019/6/3 8:14	7.9	140
	2019/7/2 7:54	5.5	72
	2019/8/8 8:21	**16**	**190**

T-D5	2019/5/8 8:43	ND(2.1)	29
	2019/6/3 8:39	ND(2.0)	14
	2019/7/2 8:17	ND(2.6)	4.1
	2019/8/8 8:44	**2.9**	**32**

T-D9	2019/5/8 8:14	ND(2.5)	18
	2019/6/3 7:56	22	350
	2019/7/1 8:51	2.4	32
	2019/8/6 8:17	**3.1**	**36**

T-⑫	2019/5/10 7:14	3.9	62
	2019/6/7 7:26	ND(2.9)	33
	2019/7/12 7:04	4.2	44
	2019/8/1 7:21	**3.2**	**32**

T-⑬	2019/5/29 8:56	17	220
	2019/6/21 8:02	6.3	91
	2019/7/10 8:30	7.5	89
	2019/8/5 8:09	**5.5**	**73**

T-S1	2019/5/16 5:52	ND(2.8)	8.9
	2019/6/19 9:14	ND(2.3)	8.3
	2019/7/3 5:43	ND(2.4)	15
	2019/8/1 6:04	**ND(2.6)**	**6.6**

T-S3	2019/5/9 6:00	ND(2.2)	8.9
	2019/6/5 5:28	ND(2.3)	4.9
	2019/7/11 5:26	2.1	17
	2019/8/8 5:38	**ND(2.1)**	**7.8**

T-S4	2019/5/9 5:45	ND(2.5)	6.5
	2019/6/5 5:52	ND(2.6)	37
	2019/7/11 5:56	ND(3.0)	65
	2019/8/8 6:08	**ND(2.6)**	**19**

T-S5	2019/5/27 6:04	ND(1.8)	3.2
	2019/6/17 6:11	ND(2.7)	20
	2019/7/1 6:17	ND(2.4)	9.8
	2019/8/5 6:01	**2.2**	**30**

T-S7	2019/5/27 5:40	6.8	88
	2019/6/17 5:37	12	160
	2019/7/1 5:45	3.8	50
	2019/8/5 5:38	**21**	**150**

T-S8	2019/5/27 8:09	5.1	61
	2019/6/19 5:40	4.6	76
	2019/7/17 6:08	ND(2.3)	26
	2019/8/21 5:45	**2.7**	**19**

T-B1	2019/5/14 6:35	ND(2.0)	4.2
	2019/6/25 6:35	ND(2.0)	3.2
	2019/7/24 5:58	ND(2.1)	6.4
	2019/8/7 5:35	**ND(2.6)**	**3.8**

T-B2	2019/5/14 6:08	ND(2.4)	13
	2019/6/25 6:04	ND(2.6)	13
	2019/7/24 6:25	ND(2.4)	26
	2019/8/7 6:04	**ND(3.0)**	**34**

T-B3	2019/5/7 5:48	ND(2.0)	2.9
	2019/6/4 5:26	ND(2.1)	3.5
	2019/7/16 6:49	ND(2.0)	3.7
	2019/8/19 5:45	**ND(2.1)**	**4.9**

T-B4	2019/5/7 6:28	ND(2.2)	12
	2019/6/4 6:13	ND(2.8)	23
	2019/7/16 7:31	ND(2.5)	5.4
	2019/8/19 6:21	**ND(2.1)**	**8.5**

T-13-1	2019/5/24 6:29	3.3	28
	2019/7/19 6:45	ND(2.3)	ND(2.2)

T-7	2019/5/16 7:05	ND(3.7)	49
	2019/7/3 6:46	ND(3.6)	51

T-18	2019/5/16 9:25	ND(3.2)	24
	2019/7/3 9:06	ND(2.9)	19

T-12	2019/5/17 7:34	ND(2.3)	8.9
	2019/7/5 5:48	ND(3.7)	12

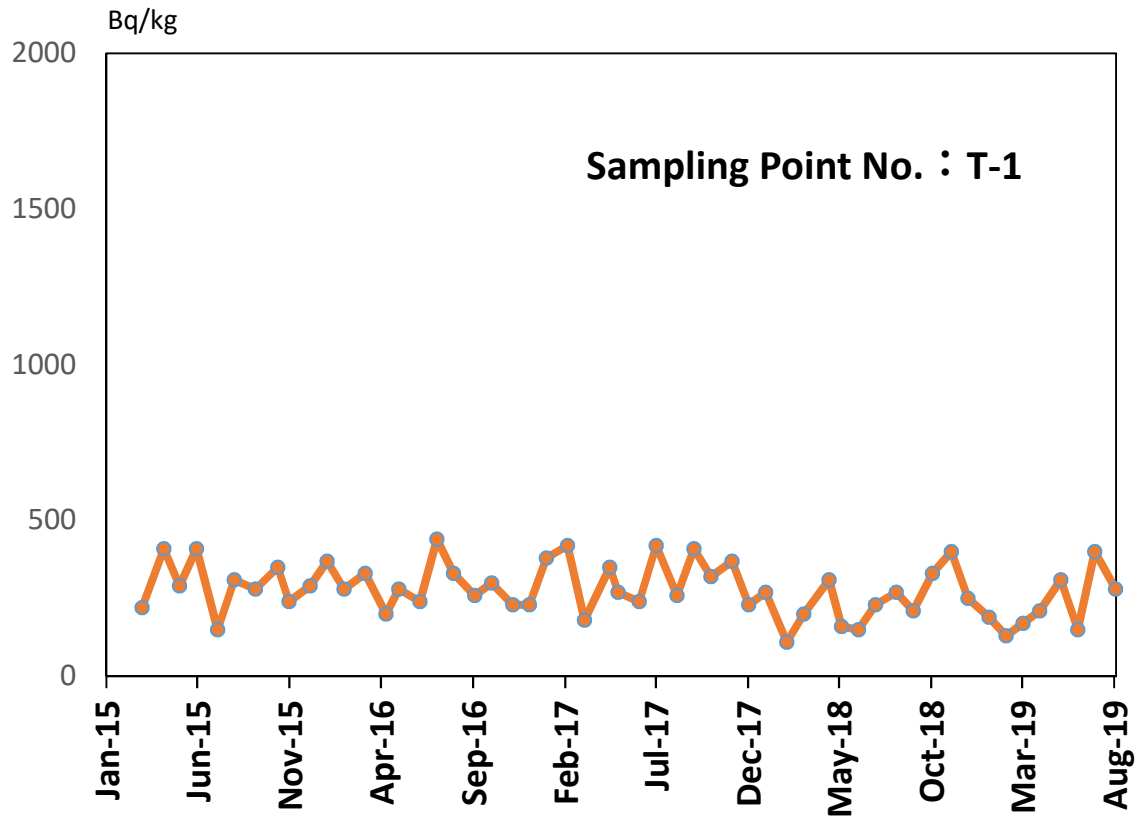
T-17-1	2019/5/17 6:52	ND(2.6)	18
	2019/7/5 6:25	ND(2.4)	19

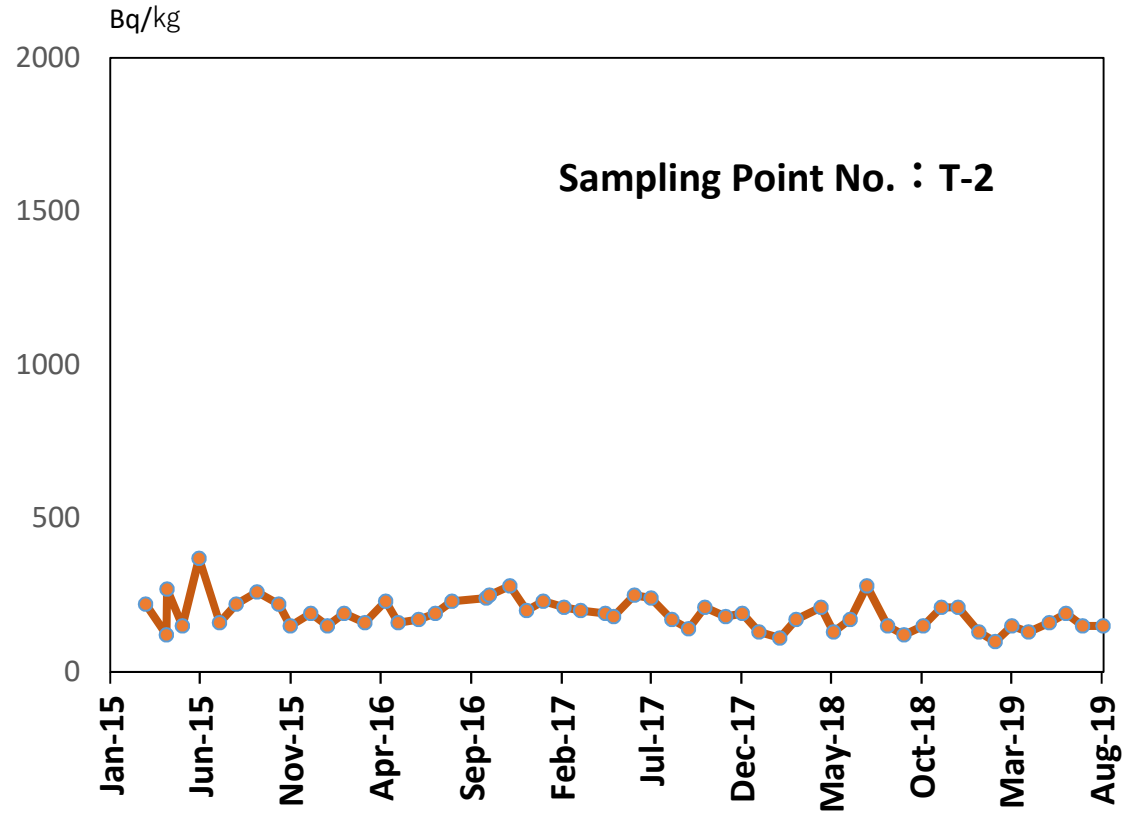
T-20	2019/5/17 6:05	ND(2.7)	21
	2019/7/5 6:45	ND(2.5)	19

T-22	2019/5/24 5:21	ND(1.7)	ND(2.1)
	2019/7/19 5:43	ND(2.5)	6.6

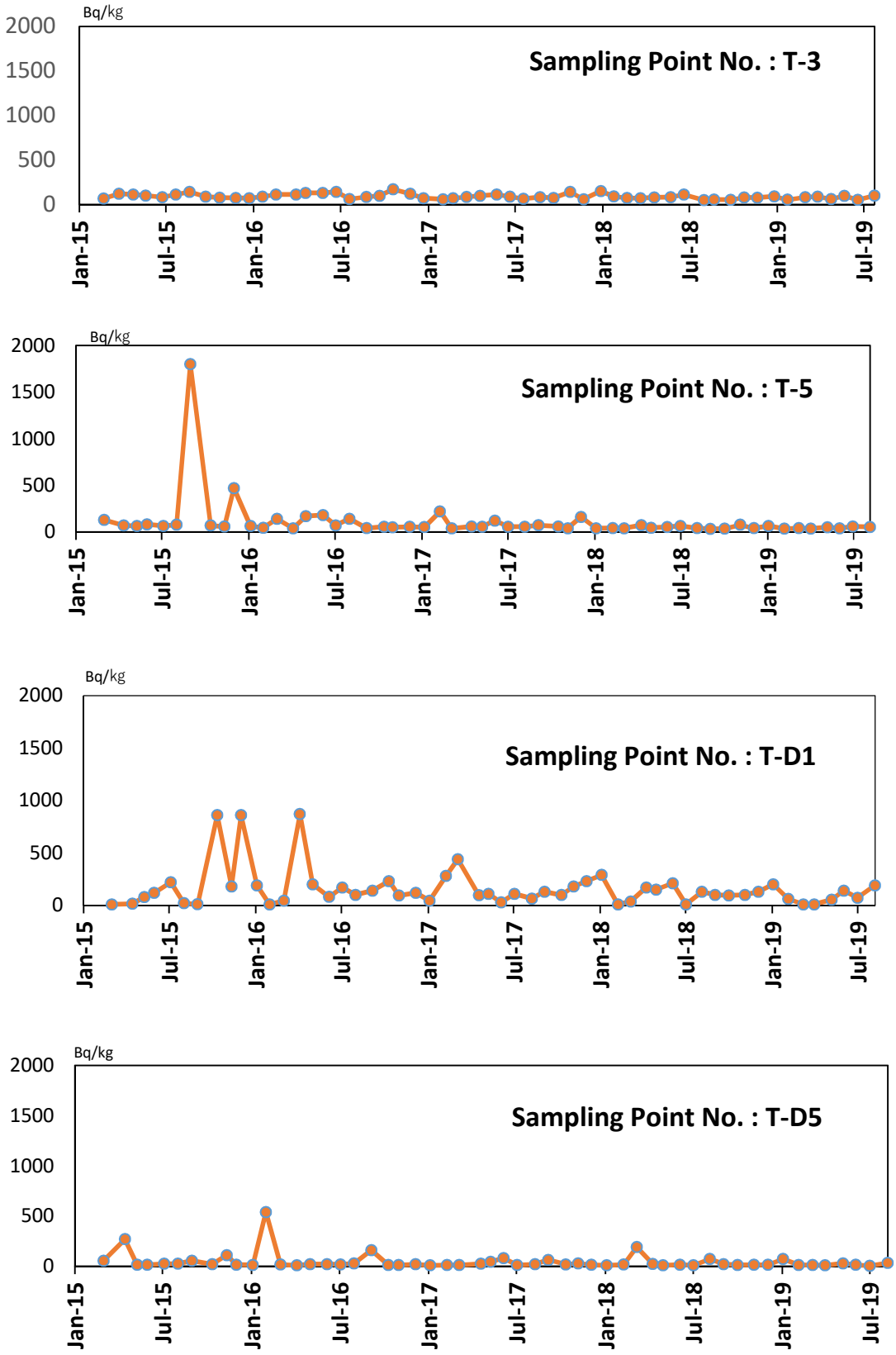
T-MA	2019/5/24 5:46	ND(2.8)	28
	2019/7/19 6:12	ND(1.7)	ND(2.2)

T-M10	2019/5/16 8:25	5.4	70
	2019/7/3 8:08	4.9	95





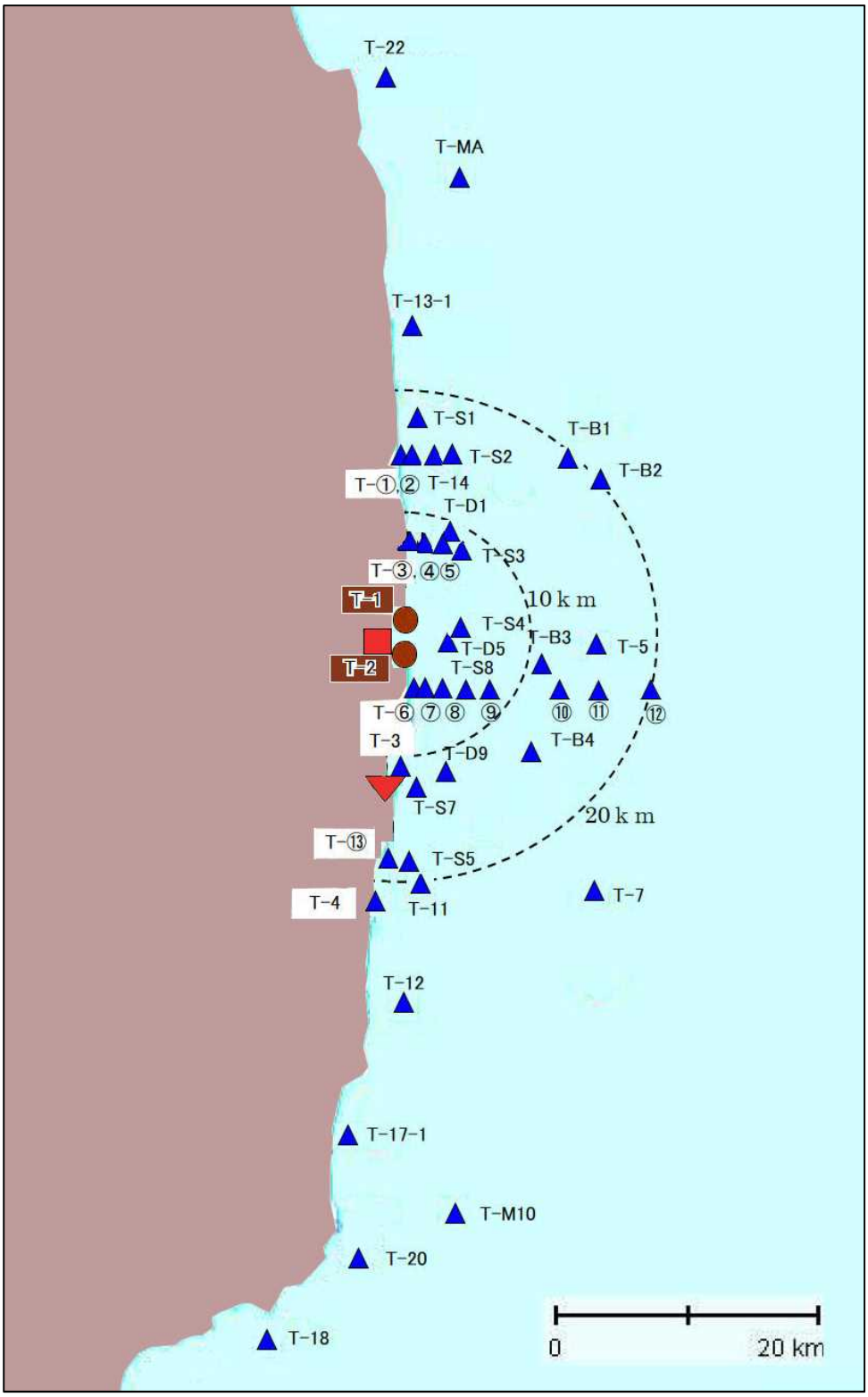
Concentration ranges of Cs-137 in sea-sediment near the Fukushima Daiichi NPS surveyed by TEPCO



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	2017/5/16	52	360	0.23	ND	0.20
	2017/8/18	42	300	ND	ND	0.21
	2017/11/14	34	280	0.38	ND	0.18
	2018/2/13	29	260	4.6	ND	0.21
	2018/5/16	25	230	0.20	ND	0.43
	2018/8/19	27	280	0.26	ND	0.14
	2018/11/14	25	270	0.39	ND	0.29
	2019/2/13	18	210	ND	ND	0.12
	2019/5/10	19	260	0.22	ND	0.22
北放水口付近 F-P02	2017/5/16	26	180	ND	ND	0.29
	2017/8/18	19	140	ND	ND	0.30
	2017/11/14	22	180	0.20	ND	0.32
	2018/2/13	20	180	0.79	ND	0.29
	2018/5/16	30	280	0.22	ND	0.39
	2018/8/19	14	140	ND	ND	0.15
	2018/11/14	35	410	ND	ND	0.38
	2019/2/13	14	170	ND	ND	0.20
	2019/5/10	12	160	ND	ND	0.27
取水口付近 F-P03	2017/5/16	52	360	ND	ND	0.26
	2017/8/18	38	280	ND	ND	0.25
	2017/11/14	35	280	0.77	ND	0.41
	2018/2/13	34	290	0.56	ND	0.29
	2018/5/16	38	360	ND	ND	0.36
	2018/8/19	38	400	0.31	ND	0.34
	2018/11/14	34	350	0.45	ND	0.25
	2019/2/13	24	300	0.20	ND	0.18
	2019/5/10	26	340	ND	ND	0.30
第一（発）沖合 2km F-P04	2017/5/16	23	150	ND	ND	0.33
	2017/8/18	11	78	ND	ND	0.40
	2017/11/14	6.2	52	0.71	ND	0.32
	2018/2/13	3.5	31	ND	ND	0.29
	2018/5/16	3.4	32	ND	ND	0.41
	2018/8/19	3.5	43	ND	ND	0.39
	2018/11/14	1.5	25	0.41	ND	0.39
	2019/2/13	2.6	32	ND	ND	0.43
	2019/5/10	1.8	20	ND	ND	0.37

※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

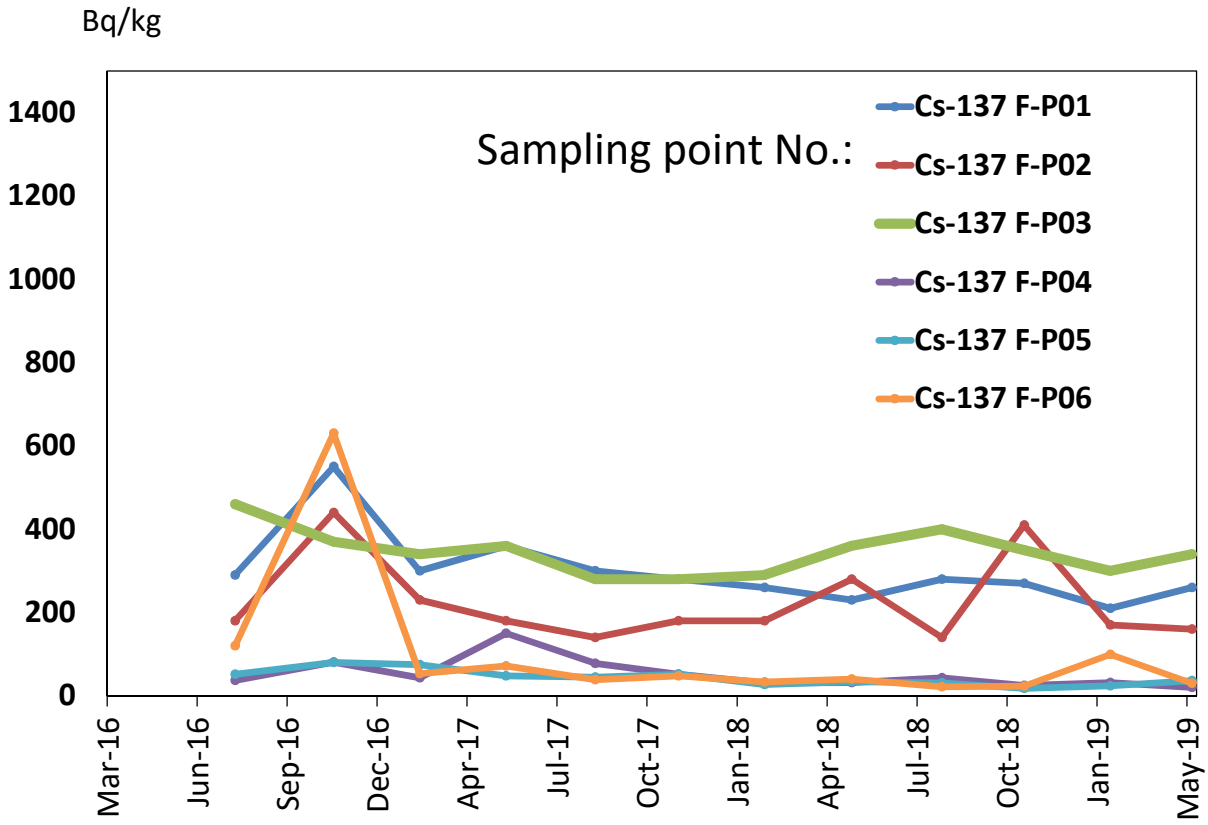
福島第一原子力発電所周辺海域の海底土の放射性物質濃度測定結果
（福島県の発表をもとに作成※1）

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

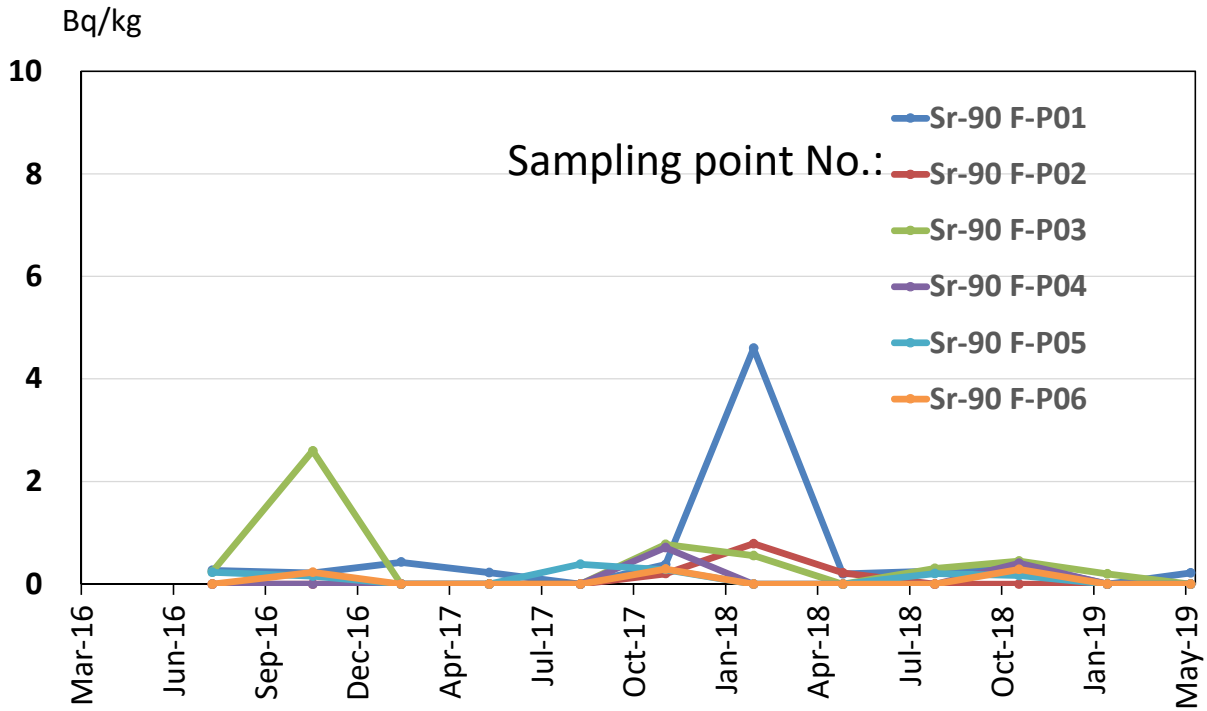
採取場所 Sampling point	採取日 Sampling date	Cs-134	Cs-137	Sr-90	Pu-238	Pu-239+240
		放射性物質濃度（検出下限値）（Bq/kg）（ND※2：不検出）				
夫沢・熊川沖2km（大熊町）(F-P05)	2017/5/16	6.9	48	ND	ND	0.42
	2017/8/18	5.9	45	0.39	ND	0.41
	2017/11/14	6.7	52	0.29	0.01	0.41
	2018/2/13	3.1	27	ND	ND	0.37
	2018/5/16	3.6	34	ND	ND	0.21
	2018/8/19	2.8	31	0.21	ND	0.39
	2018/11/14	ND	18	0.17	ND	0.35
	2019/2/13	2.0	24	ND	ND	0.39
	2019/5/10	2.5	36	ND	ND	0.52
前田川沖2km（双葉町）(F-P06)	2017/2/14	10	72	ND	ND	0.47
	2017/5/16	5.1	39	ND	ND	0.42
	2017/8/18	5.7	48	0.30	ND	0.61
	2017/11/14	3.6	33	ND	ND	0.40
	2018/2/13	3.5	40	ND	ND	0.46
	2018/5/16	2.3	22	ND	ND	0.35
	2018/8/19	1.8	23	0.29	ND	0.54
	2019/2/13	7.4	99	ND	0.01	0.50
	2019/5/10	2.0	30	ND	ND	0.46

※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