

Nuclides Analysis Result of the Radioactive Materials in the Seawater < Coast, Fukushima Daiichi Nuclear Power Station >

(Data summarized on March 20)

Place of Sampling	North of Unit 5-6 Discharge Channel at Fukushima Daiichi NPS (Approx. 30m North of Unit 5-6 Discharge Channel)		Around South Discharge Channel of Fukushima Daiichi NPS (Approx. 1.3km South of Unit 1-4 Discharge Channel)		② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Time of Sampling		Time of Sampling		
	Mar 19, 2014 7:00 AM		Mar 19, 2014 5:35 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND(0.86)	-	ND(0.75)	-	40
Cs-134 (Approx. 2 years)	ND(0.79)	-	ND(0.81)	-	60
Cs-137 (Approx. 30 years)	1.0	0.01	ND(0.58)	-	90

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

* Data of other nuclides is under evaluation.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* "ND" indicates that the measurement result is below the detection limit, which is provided in parentheses.

Nuclides Analysis Result of Radioactive Materials in the Seawater <1/3>

(Data summarized on March 20)

Place of Sampling (Place No.)	Around the North Discharge Channel of 2F (T-3) (Around Unit 3-4 Discharge Channel) (Approx. 10km from 1F)	South side of the Ukedo Port (T-6) (Approx. 5.5km north of Unit 5-6 Discharge Channel)					② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Date of Sampling	Feb 4, 2014		Feb 14, 2014				
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Cs-134 (Approx. 2 years)	0.091	0.00	0.037	0.00			60
Cs-137 (Approx. 30 years)	0.25	0.00	0.11	0.00			90
H-3 (approx. 12yrs)	ND	—	ND	—			60,000
All β	ND	—	ND	—			—

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* Nuclide analysis results of Cs-134 and Cs-137 were announced on March 14.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

H-3: Approx. 0.31Bq/L, All β: Approx. 16Bq/L

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

(Evaluation)

H-3 and All β were not detected in the sample collected this time.

Nuclides Analysis Result of Radioactive Materials in the Seawater <2/3>

(Data summarized on March 20)

Place of Sampling (Place No.)	15km Offshore of Fukushima Daiichi NPS (T-5) Upper Layer		3km Offshore of Ukedo River (T-D1) Upper Layer		3km Offshore of Fukushima Daiichi NPS (T-D5) Upper Layer		② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Date of Sampling		Date of Sampling		Date of Sampling		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Cs-134 (Approx. 2 years)	0.0021	0.00	0.0046	0.00	0.0040	0.00	60
Cs-137 (Approx. 30 years)	0.0055	0.00	0.0098	0.00	0.0093	0.00	90
H-3 (approx. 12yrs)	ND	—	ND	—	ND	—	60,000
Gross α	ND	—	ND	—	ND	—	—
Gross β	ND	—	ND	—	ND	—	—
Sr-90 (Approx. 29 years)	ND	—	ND	—	ND	—	30

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* Nuclide analysis results of Cs-134, Cs-137 were announced on March 14, 2014..

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

H-3: Approx. 0.33Bq/L, Gross α : Approx. 1.6Bq/L, Gross β : Approx. 17Bq/L, Sr-90: Approx. 0.009Bq/L

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

* Nuclides analysis of Sr-90 was done by Japan Chemical Analysis Center.

(Evaluation)

H-3, Gross α , Gross β and Sr-90 were not detected in the sample collected this time.

Nuclides Analysis Result of Radioactive Materials in the Seawater <3/3>

(Data summarized on February 20)

Place of Sampling (Place No.)	3km Offshore of Fukushima Daini NPS (T-D9) Upper Layer		/		/		② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Date of Sampling	Feb 3, 2014		/		/		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Cs-134 (Approx. 2 years)	0.0081	0.00	/		/		60
Cs-137 (Approx. 30 years)	0.016	0.00	/		/		90
H-3 (approx. 12yrs)	ND	—	/		/		60,000
Gross α	ND	—	/		/		—
Gross β	ND	—	/		/		—
Sr-90 (Approx. 29 years)	ND	—	/		/		30

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* Nuclide analysis results of Cs-134, Cs-137 were announced on March 14, 2014.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

H-3: Approx. 0.31Bq/L, Gross α: Approx. 1.6Bq/L, Gross β: Approx. 17Bq/L, Sr-90: Approx. 0.009Bq/L

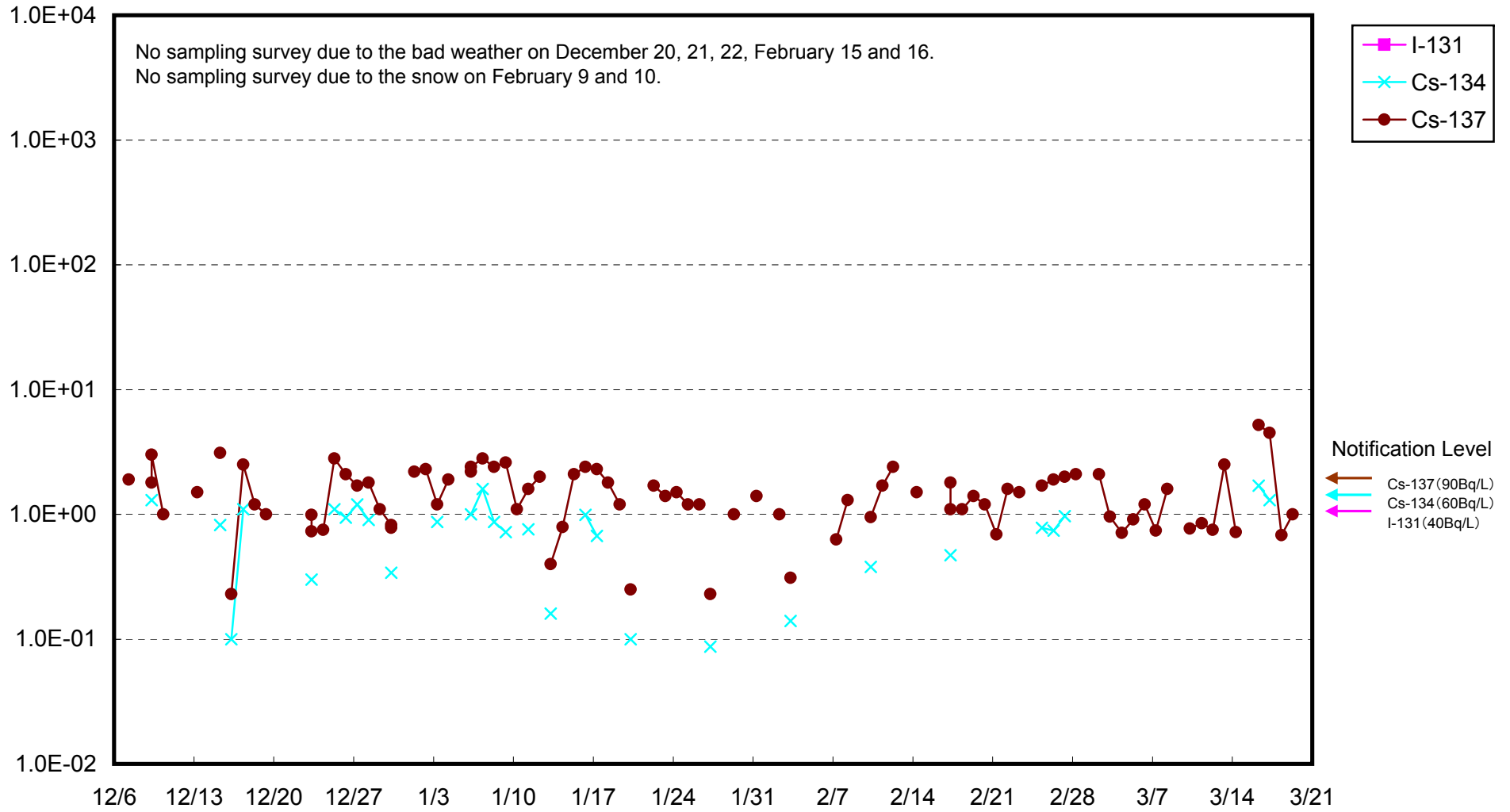
As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

* Nuclides analysis of Sr-90 was done by Japan Chemical Analysis Center.

(Evaluation)

H-3, Gross α, Gross β and Sr-90 were not detected in the sample collected this time.

Radioactivity Density of the Seawater at 1F Units 5-6 North Discharge Channel (Bq/L)



Radioactivity Density of the Seawater at 1F South Discharge Channel (Bq/L)

