

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

(Data summarized on October 11)

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. 330m 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	Oct 10, 2012 8:30 AM		Oct 10, 2012 8:10 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	-	ND	-	40
Cs-134 (Approx. 2 years)	ND	-	ND	-	60
Cs-137 (Approx. 30 years)	ND	-	ND	-	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.

I-131: Approx. 0.47Bq/L, Cs-134: Approx.1.2Bq/L, Cs-137: Approx.1.5Bq/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 Result of Radioactive Materials in the Seawater <1/2>

(Data summarized on October 11)

Place of Sampling (Place No.)	3km Offshore of Ukedo River (T-D1) Upper Layer		3km Offshore of Fukushima Daiichi NPS (T-D5) Upper Layer		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	Aug 6, 2012		Aug 17, 2012		Aug 3, 2012		
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)	0.067	0.00	0.0040	0.00	0.016	0.00	60
Cs-137 (Approx. 30 years)	0.11	0.00	0.0098	0.00	0.028	0.00	90
H-3 (approx. 12years)	ND	-	ND	-	ND	-	60,000
All α	ND	-	ND	-	ND	-	—
All β	ND	-	ND	-	ND	-	—
Sr-89 (Approx. 51 days)	ND	-	ND	-	ND	-	300
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.

* The results of Cs-134 and Cs-137 were announced on August 27, September 4 and 14.

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

H-3: Approx. 3.0Bq/L, All α: Approx. 3.2Bq/L, All β: Approx. 21Bq/L, Sr-89: Approx. 0.02Bq/L, Sr-90: Approx. 0.008Bq/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.

* Sr-89 and Sr-90 were analyzed by the Japan Chemical Analysis Center.

(Evaluation)

H-3, All α radiations, All β radiations, Sr-89 and Sr-90 were not detected this time.

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

(Data summarized on October 11)

Place of Sampling (Place No.)	15km Offshore of Fukushima Daiichi NPS(T-5) 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	Aug 7, 2012						
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)	0.0047	0.00					60
Cs-137 (Approx. 30 years)	0.0083	0.00					90
H-3 (approx. 12years)	ND	-					60,000
All α	ND	-					—
All β	ND	-					—
Sr-89 (Approx. 51 days)	ND	-					300
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.

* The results of Cs-134 and Cs-137 were announced on September 10.

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

H-3: Approx. 3.0Bq/L, All α: Approx. 3.2Bq/L, All β: Approx. 17Bq/L, Sr-89: Approx. 0.02Bq/L, Sr-90: Approx. 0.009Bq/L

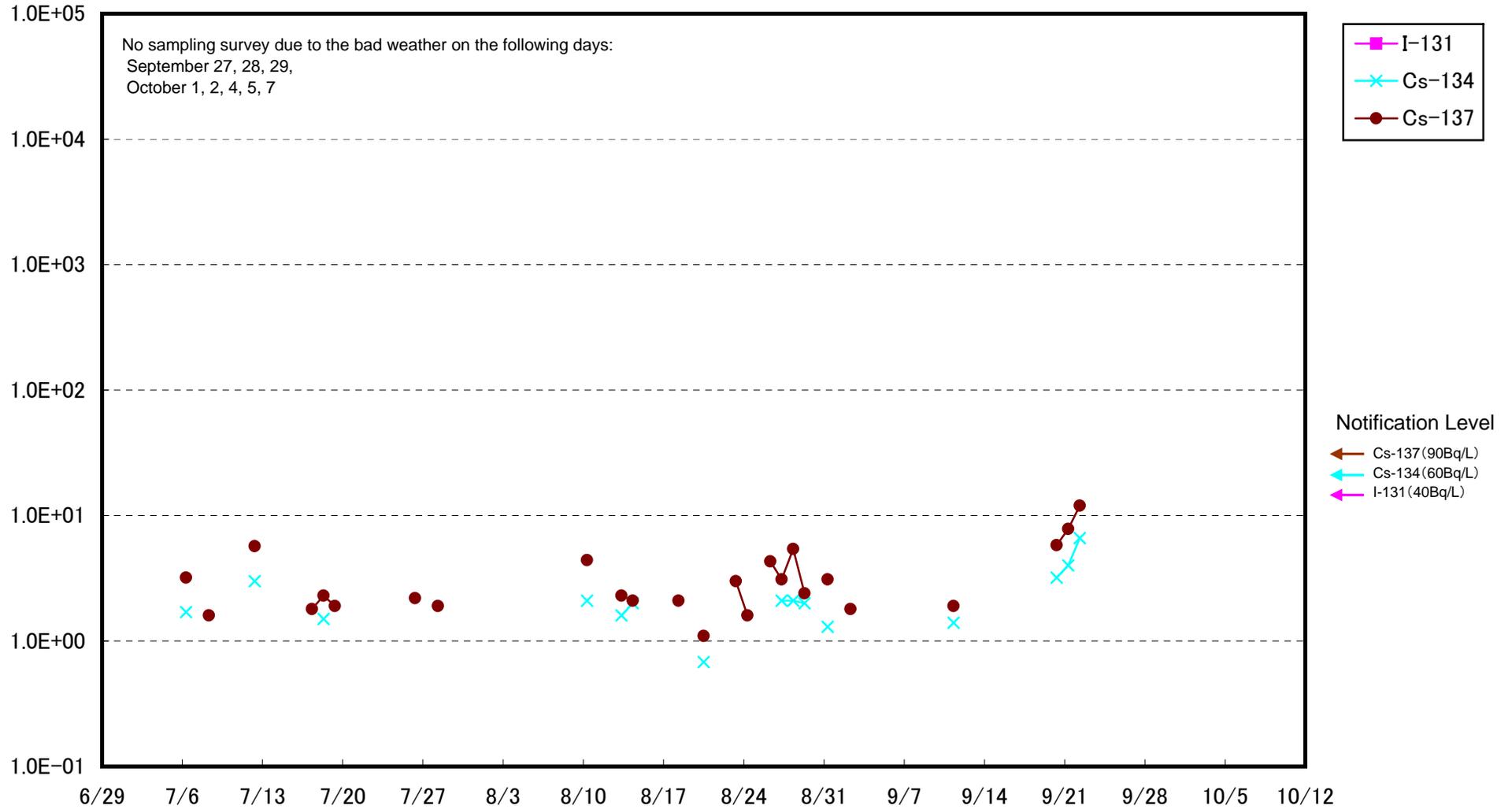
As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

* Sr-89 and Sr-90 were analyzed by the Japan Chemical Analysis Center.

(Evaluation)

H-3, All α radiations, All β radiations, Sr-89 and Sr-90 were not detected this time.

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



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

