Reference

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

(Data summarized on July 25)

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 (Appox. 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	Jul 24, 2014 7:20 AM		Jul 24, 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(0.47)	-	ND(0.68)	-	40
Cs-134 (Approx. 2 years)	ND(0.81)	-	ND(0.71)	-	60
Cs-137 (Approx. 30 years)	0.83	0.01	ND(0.58)	-	90

* The density specified by the Reactor Regulation is converted from Bq/cm^3 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 July 25)

Place of Sampling (Place No.)	North of Unit 5-6 Discharge Channel at Fukushima Daiichi NPS (Approx. 30m North of Unit 5-6 Discharge Channel) (T-1)		Around South Discharge Channel of Fukushima Daiichi NPS (Appox. 1.3km South of Unit 1-4 Discharge Channel) (T-2-1)				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	Jun 9, 2014		Jun 23, 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)	
I-131 (Approx. 8 days)	ND(0.66)	—	ND(0.58)	—			40
Cs-134 (Approx. 2 years)	ND(0.74)	—	ND(0.56)	—			60
Cs-137 (Approx. 30 years)	ND(0.71)	—	ND(0.58)	—			90
H-3 (approx. 12yrs)	ND(1.6)	—	ND(1.8)	—			60,000
Gross α	ND(1.5)	—	ND(1.5)	—			—
Gross β	12	—	9.7	—			—
Sr-90 (Approx. 29 years)	0.050	0.00	ND(0.0095)	—			30

* The density specified by the Reactor Regulation is converted from Bq/cm^3 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 I-131, Cs-134, Cs-137 and Gross β were announced on June 10 and 24. Nuclide analysis results of H-3 were announced on June 13
* When the measurement value is below the detection limit, "ND" is marked.
* Nuclides analysis of Sr-90 was done by Japan Chemical Analysis Center.

(Evaluation)
Although Gross β and Sr-90 were detected supposedly as a result of this accident, Sr-90 is less than the density limit in the water which is specified by the announcement.

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

(Data summarized on July 25)

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	Jun 17, 2014		Jun 17, 2014		Jun 17, 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)	0.0039	0.00	0.005	0.00	0.012	0.00	60
Cs-137 (Approx. 30 years)	0.012	0.00	0.013	0.00	0.040	0.00	90
H-3 (approx. 12yrs)	ND	—	ND	—	ND	—	60,000
Gross β	—	—	—	—	—	—	—
Gross α	ND	—	ND	—	ND	—	—
Sr-90 （Approx. 29 years)	—	—	—	—	—	—	30

* The density specified by the Reactor Regulation is converted from Bq/cm^3 to Bq/L.
* Radioactivity density "—" means "not applicable".
* 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 July 18, 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 β: Approx. 17Bq/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 Gross β were not detected in the sample collected this time.

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

(Data summarized on July 25)

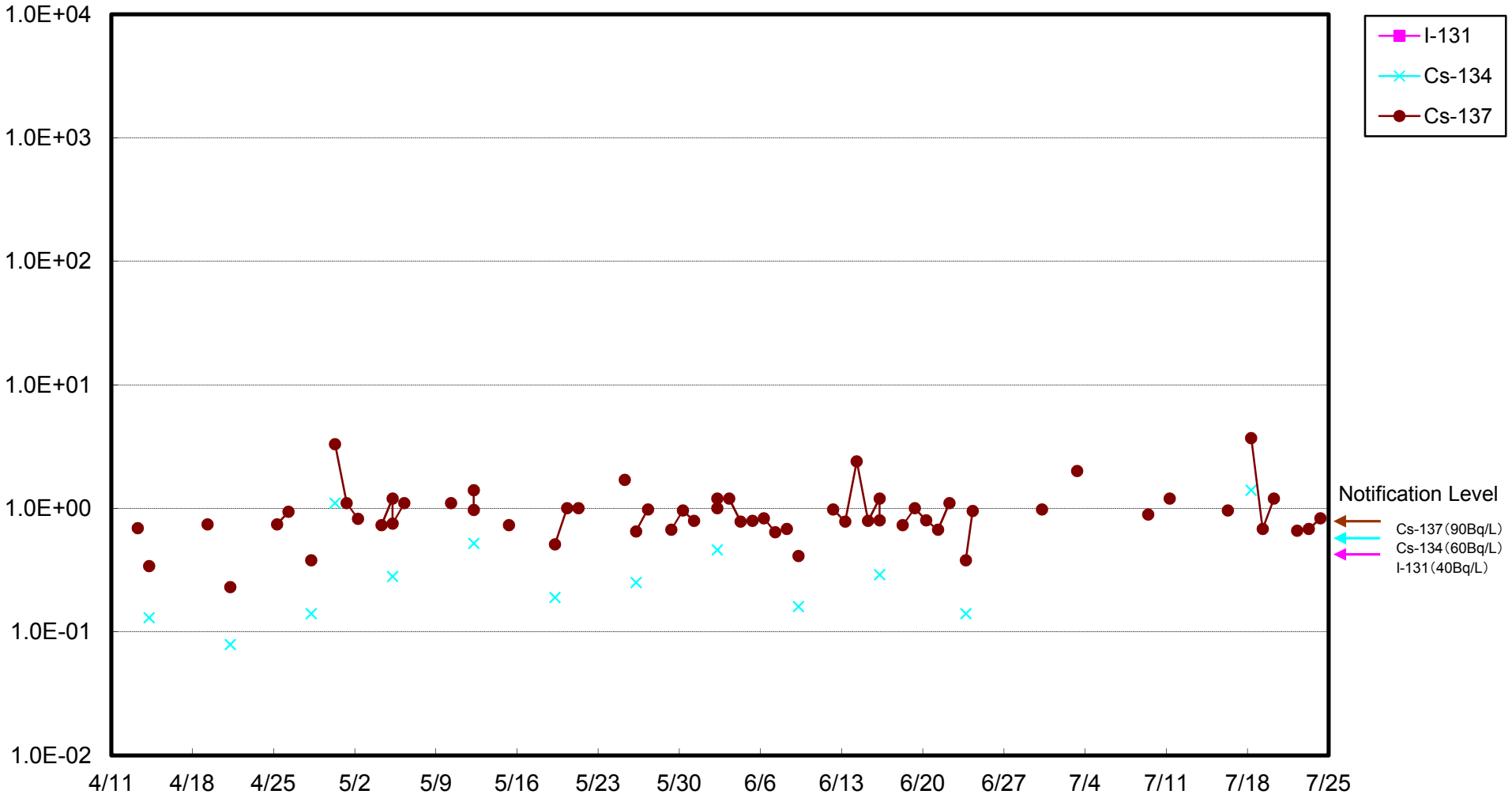
Place of Sampling (Place No.)	3km Offshore of Fukushima Daini NPS (T-D9) Upper Layer						② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Date of Sampling	Jun 17, 2014						
Detected 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)	0.0074	0.00					60
Cs-137 (Approx. 30 years)	0.022	0.00					90
H-3 (approx. 12yrs)	ND	－					60,000
Gross β	－	－					－
Gross α	ND	－					－
Sr-90 （Approx. 29 years)	－	－					30

* The density specified by the Reactor Regulation is converted from Bq/cm^3 to Bq/L.
* Radioactivity density "－" means "not applicable".
* 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 July 18, 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 β: Approx. 17Bq/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 Gross β 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)