

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

(Data summarized on May 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.)
	May 19, 2014 6:30 AM		May 19, 2014 5:45 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(0.72)	-	ND(0.61)	-	40
Cs-134 (Approx. 2 years)	ND(0.78)	-	ND(0.71)	-	60
Cs-137 (Approx. 30 years)	ND(0.74)	-	0.78	0.01	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

(Data summarized on May 20)

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 (Approx. 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	Apr 14, 2014		Apr 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)	
I-131 (Approx. 8 days)	ND(0.74)	—	ND(0.66)	—	/	/	40
Cs-134 (Approx. 2 years)	ND(0.69)	—	ND(0.55)	—	/	/	60
Cs-137 (Approx. 30 years)	ND(0.54)	—	ND(0.53)	—	/	/	90
H-3 (approx. 12yrs)	ND(1.6)	—	ND(1.6)	—	/	/	60,000
Gross α	ND(1.5)	—	ND(1.5)	—	/	/	—
Gross β	14	—	14	—	/	/	—
Sr-90 (Approx. 29 years)	0.14	0.00	0.012	0.00	/	/	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 I-131, Cs-134, Cs-137 and Gross β were announced on April 15. Nuclide analysis results of H-3 were announced on April 18.

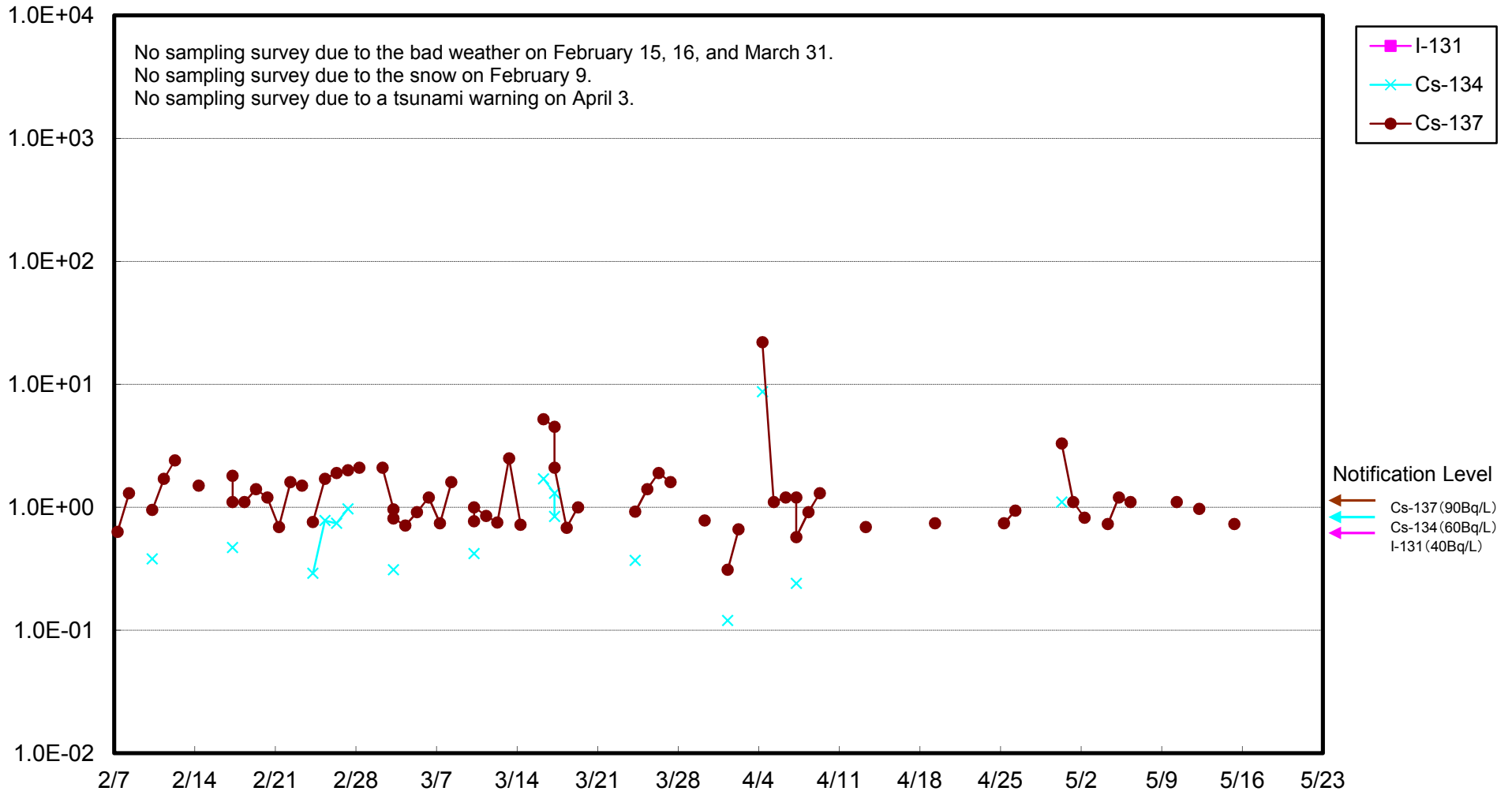
* When the measurement value is below the detection limit, "ND" is marked.

* 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, they are less than the density limit in the water which is specified by the announcement.

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)

