

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

(Data summarized on May 15)

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 14, 2014 6:45 AM		May 14, 2014 5:10 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(0.70)	-	ND(0.75)	-	40
Cs-134 (Approx. 2 years)	ND(0.76)	-	ND(0.69)	-	60
Cs-137 (Approx. 30 years)	ND(0.58)	-	ND(0.62)	-	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.

Analysis Result of Pu in the Seawater

1. Measurement Result:

(Summarized on May 15)
(Unit: Bq/L)

Place of Sampling	Date	Pu-238	Pu-239+Pu-240
1F, North of Unit 5-6 Discharge Channel	Apr 10, 2014	N.D. [5.6×10^{-6}]	$(9.4 \pm 2.2) \times 10^{-6}$
1F, Around South Discharge Channel		N.D. [5.6×10^{-6}]	$(3.1 \pm 0.41) \times 10^{-5}$
The range of the past measurement results obtained in the ocean near Fukushima Daiichi and Daini Nuclear Power Stations (FY2001 - FY2008)*		—	ND $\sim 1.3 \times 10^{-5}$

[] shows below the detection limit.

*: Source "Report on the environmental radioactivity measurement around the Nuclear Power Plant (2008)", Committee on the safety technology of Nuclear Power Plants in Fukushima.

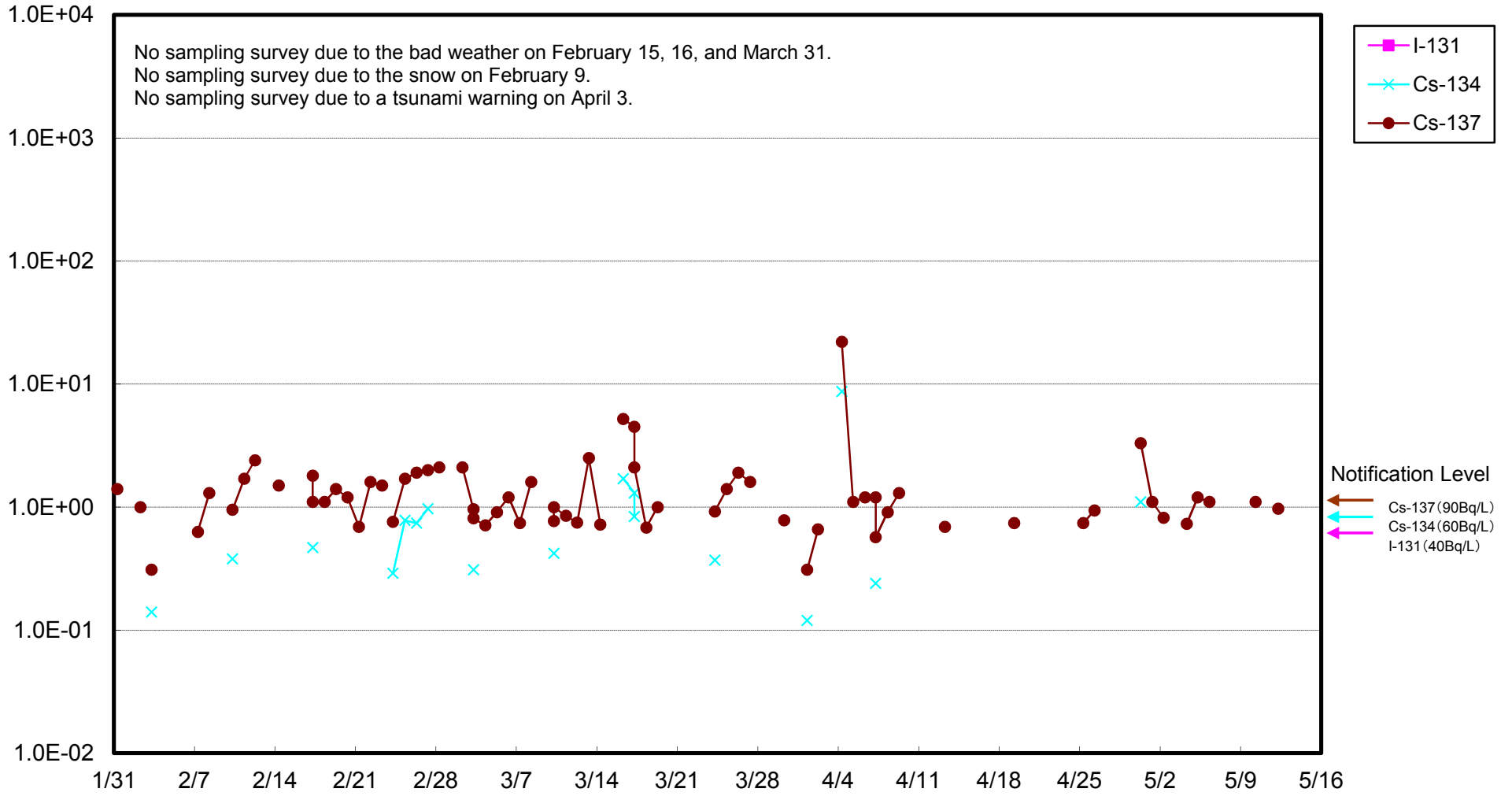
2. Analytical Institution: Japan Chemical Analysis Center

3. Evaluation:

The density level of Pu-239+Pu-240 detected at the north of Unit 5-6 Discharge Channel and around South Discharge Channel on April 10, 2014 is within the range of the past density measurements conducted along the seacoasts of Fukushima Daiichi and Daini NPS.

End

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)

