Nuclide Analysis Results of Radioactive Materials in Seawater ＜Coast of Fukushima Daiichi NPS＞

Reference

(Data summarized on April 7)

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)		Around South Discharge Channel of 1F (appox. 330m south of 1-4u Discharge Channel)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	2012/4/6 8:50		2012/4/6 8:25		
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

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* Data of other nuclides are under evaluation.

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* "ND" means the sampled data is below measurable limit.
I-131: approx. 0.58Bq/L, Cs-134: approx. 1.8Bq/L, Cs-137: approx. 2.1Bq/L
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

The Result of analysis for Pu in the ocean

1. Place of sampling : 15km offshore of the Fukushima Daiichi grounds (Upper layer)
15km offshore of the Fukushima Daini grounds (Upper layer)
2. Analytical body : Japan Chemical Analysis Center (JCAC)
3. Sampling result:

(Unit: Bq/L)

Place of sampling	Date of sampling	**Pu-238**	**Pu-239+Pu-240**
15km offshore of the Fukushima Daiichi grounds (Upper layer)	**3/14**	**N.D. [<9.0×10^{-6}]**	**N.D. [<8.6×10^{-6}]**
15km offshore of the Fukushima Daini grounds (Upper layer)		**N.D. [<5.4×10^{-6}]**	**N.D. [<5.2×10^{-6}]**

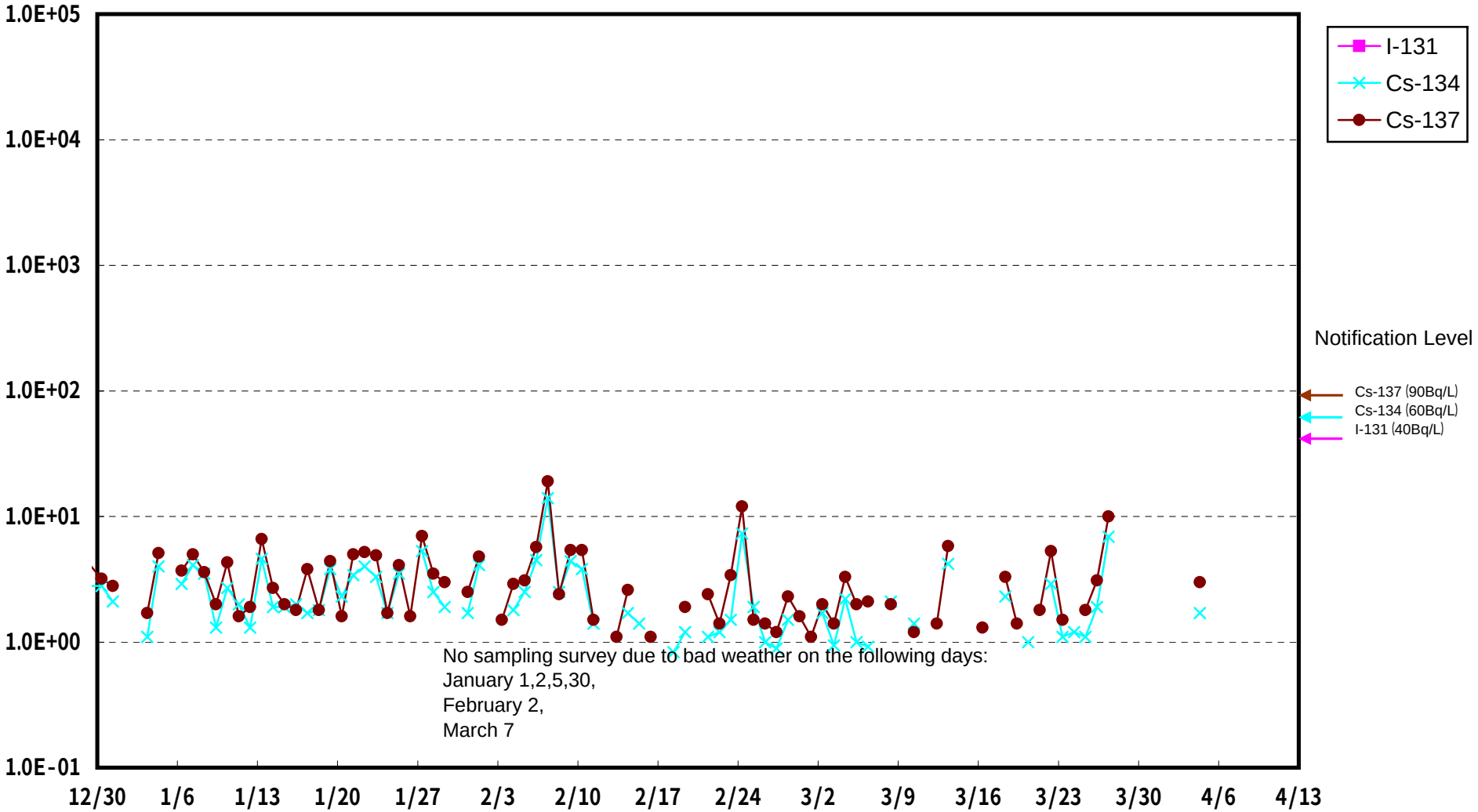
[ ] : Detection Limit

4. Evaluation:

There is no detection of Pu-238, Pu-239 and Pu-240 from this sampling

END

Radioactivity Density of Seawater at North of 1F5-6 Discharge Channel (Bq/L)



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