

## Nuclide Analysis Results of Radioactive Materials in Seawater < Coast, Fukushima Daiichi Nuclear Power Station >

(Data summarized on May 2)

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 ( approx. 330m south of 1-4u Discharge Channel)		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	May 1, 2012 8:40 AM		May 1, 2012 8:15 AM		
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	
I-131 (approx. 8 days)	ND	-	ND	-	40
Cs-134 (approx. 2 years)	2.2	0.04	ND	-	60
Cs-137 (approx. 30 years)	2.8	0.03	ND	-	90

\* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> 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. 0.76Bq/L, Cs-134: approx. 2.0Bq/L, Cs-137: approx. 2.5Bq/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. 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)	4/13	N.D. [ $<7.1 \times 10^{-6}$ ]	N.D. [ $<6.7 \times 10^{-6}$ ]
3 km offshore of Ukedo-gawa (Upper Layer)	4/10	N.D. [ $<7.2 \times 10^{-6}$ ]	$(8 \pm 2.1) \times 10^{-6}$
3km offshore of the Fukushima Daini grounds (Upper layer)	4/10	N.D. [ $<7.0 \times 10^{-6}$ ]	N.D. [ $<6.1 \times 10^{-6}$ ]
3km offshore of the Fukushima Daini grounds (Upper layer)	4/13	N.D. [ $<7.0 \times 10^{-6}$ ]	N.D. [ $<7.3 \times 10^{-6}$ ]
Past analysis range in the sea around 1F and 2F (FY2001 ~ FY 2008)		-	N.D. $-1.3 \times 10^{-5}$

[ ] : Detection Limit

Source: Source: 2009 Report on the Result of Radioactivity Measurement around Nuclear Power Plant (Fukushima Nuclear Power Station Coordinating Committee for Safety Technology)

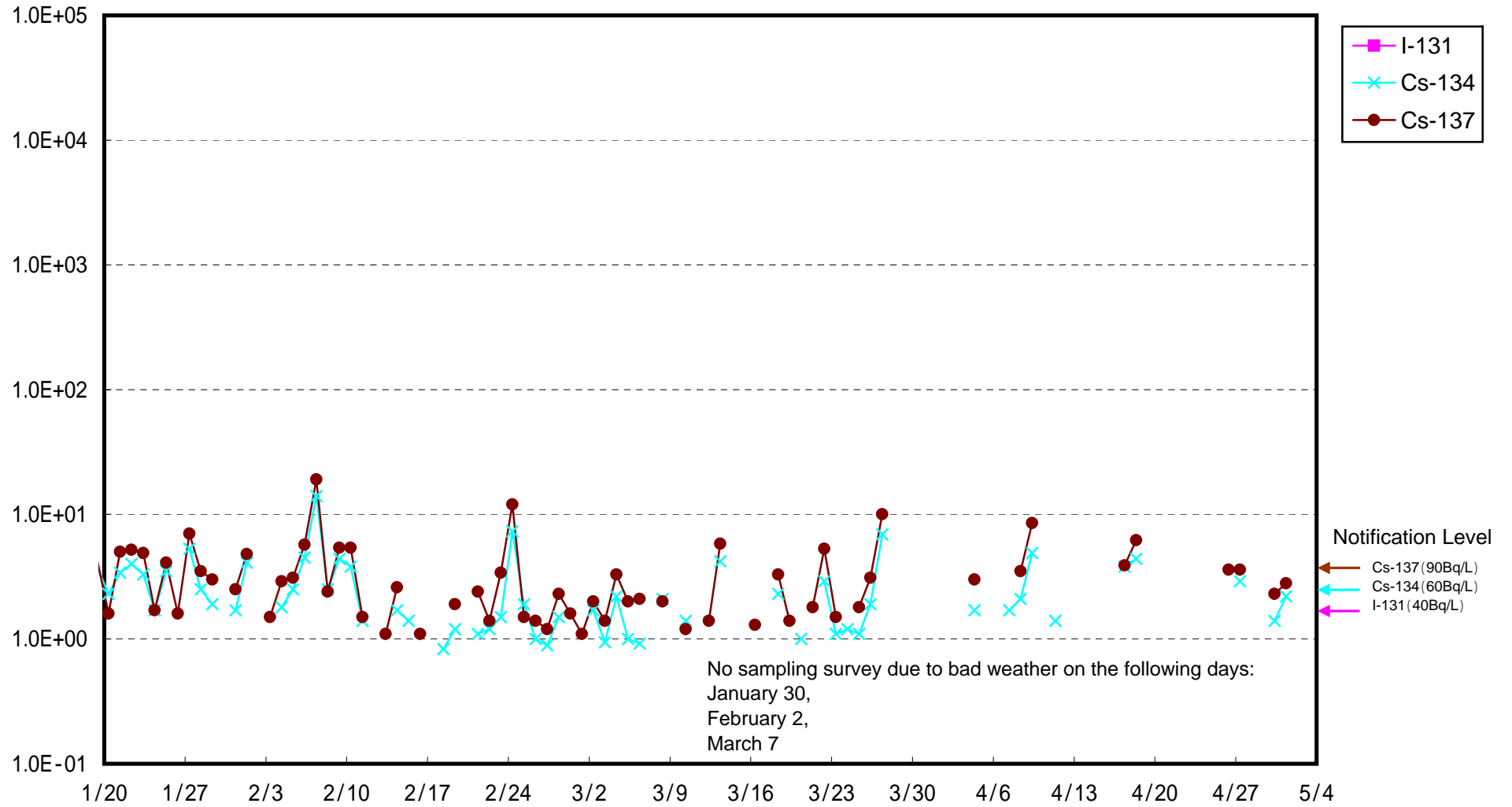
### 2. Analytical body: Japan Chemical Analysis Center (JCAC)

### 4. Evaluation:

Since the density of Pu-239 + Pu-240 detected in 3 km offshore of Ukedo-gawa on April 10 were same level of those result measured in past, thus we can't assume it originated from the accident.

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)

