Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

Reference

(Data summarized on April 7)

Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fukushima Daini (Reference)				②Density limit by the announcement of Reactor Regulation （Bq/cm3） (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	Apr 06, 2012 7:00-12:00		Apr 06, 2012 9:13-9:23				
Detected Nuclides (Half-life)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	
I-131 (approx. 8 days)	ND	-	ND	-			1E-03
Cs-134 (approx. 2 years)	ND	-	ND	-			2E-03
Cs-137 (approx. 30 years)	2.2E-07	0.00	ND	-			3E-03

* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

O.OE－O means O.O x 10-O

Data of other nuclides are under examination.

* 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.

Detection limits at the West Gate of Fukushima Daiichi are as follows:
Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 4E-7Bq/cm3 Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3
Detection limits at MP-1 of Fukushima Daini are as follows:
Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3 Particulate: I-131: approx. 9E-7Bq/cm3, Cs-134: approx. 1E-6Bq/cm3, Cs-137: approx. 2E-6Bq/cm3

The Result of analysis for Pu in the air around Fukushima Daiichi

1. Place of sampling : The west gate of Fukushima Daiichi
2. Analytical body : Japan Chemical Analysis Center (JCAC)
3. Sampling result:

(Unit: Bq/cm^3)

Sampling type	Date of sampling	Pu-238	Pu-239+Pu-240
Volatile	3/19	N.D. [<5.9×10^{-10}]	N.D. [<6.4×10^{-10}]
Particle		N.D. [<6.1×10^{-10}]	N.D. [<5.3×10^{-10}]

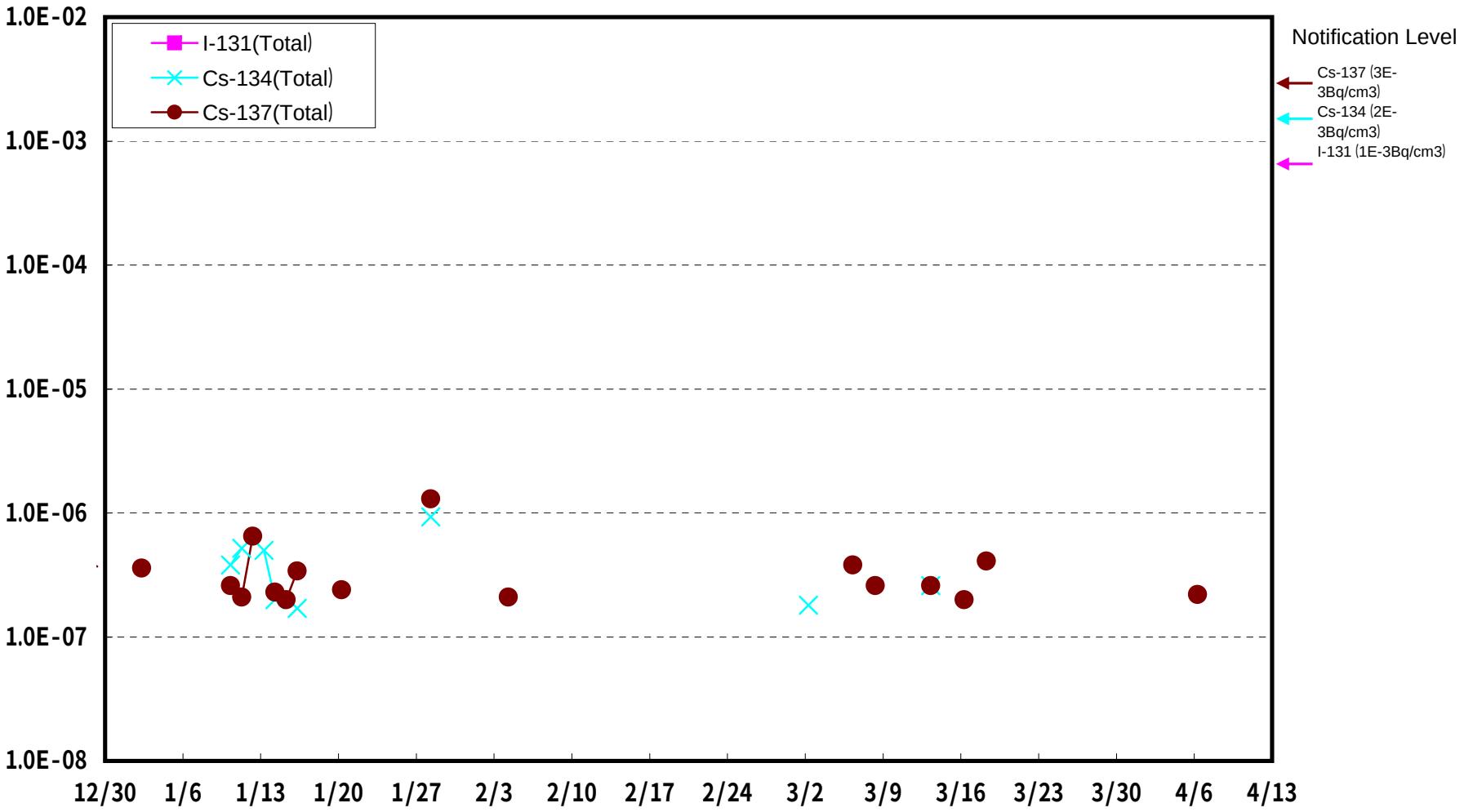
[ ] : Detection Limit

4. Evaluation:

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

END

West Gate of Fukushima Daiichi Nuclear Power Station
Results of Dust Nuclide Analysis (Bq/cm3)



(Reference) Fukushima Daini MP-1
Results of Dust Nuclide Analysis (Bq/cm3)