

Reference

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

(Data summarized on February 14)

Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fukushima Daini (Reference)				Density limit by the announcement of Reactor Regulation ( Bq/cm <sup>3</sup> ) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2012/2/13 7:00 ~ 12:00		2012/2/13 9:17 ~ 9:27				
Detected Nuclides (Half-life)	density of sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	density of sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	density of sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	
I-131 (about 8 days)	ND	-	ND	-	/	/	1E-03
Cs-134 (about 2 years)	ND	-	ND	-	/	/	2E-03
Cs-137 (about 30 years)	ND	-	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/cm<sup>3</sup>, Cs-134: approx. 3E-7Bq/cm<sup>3</sup>, Cs-137: approx. 3E-7Bq/cm<sup>3</sup>      Particulate: I-131: approx. 6E-8Bq/cm<sup>3</sup>, Cs-134: approx. 2E-7Bq/cm<sup>3</sup>, Cs-137: approx. 2E-7Bq/cm<sup>3</sup>

Detection limits at MP-1 of Fukushima Daini are as follows:

Volatile: I-131: approx. 2E-6Bq/cm<sup>3</sup>, Cs-134: approx. 3E-6Bq/cm<sup>3</sup>, Cs-137: approx. 3E-6Bq/cm<sup>3</sup>      Particulate: I-131: approx. 9E-7Bq/cm<sup>3</sup>, Cs-134: approx. 2E-6Bq/cm<sup>3</sup>, Cs-137: approx. 1E-6Bq/cm<sup>3</sup>

Fukushima Daiichi Nuclear Power Station:  
the result of the Pu analysis on radioactive materials in the air

1. Sampled at : West gate of Fukushima Daiichi Nuclear Power Station
2. Analyzed by: Japan Chemical Analysis Center or JCAC
3. Result of Measurement:

( Unit : Bq/cm<sup>3</sup> )

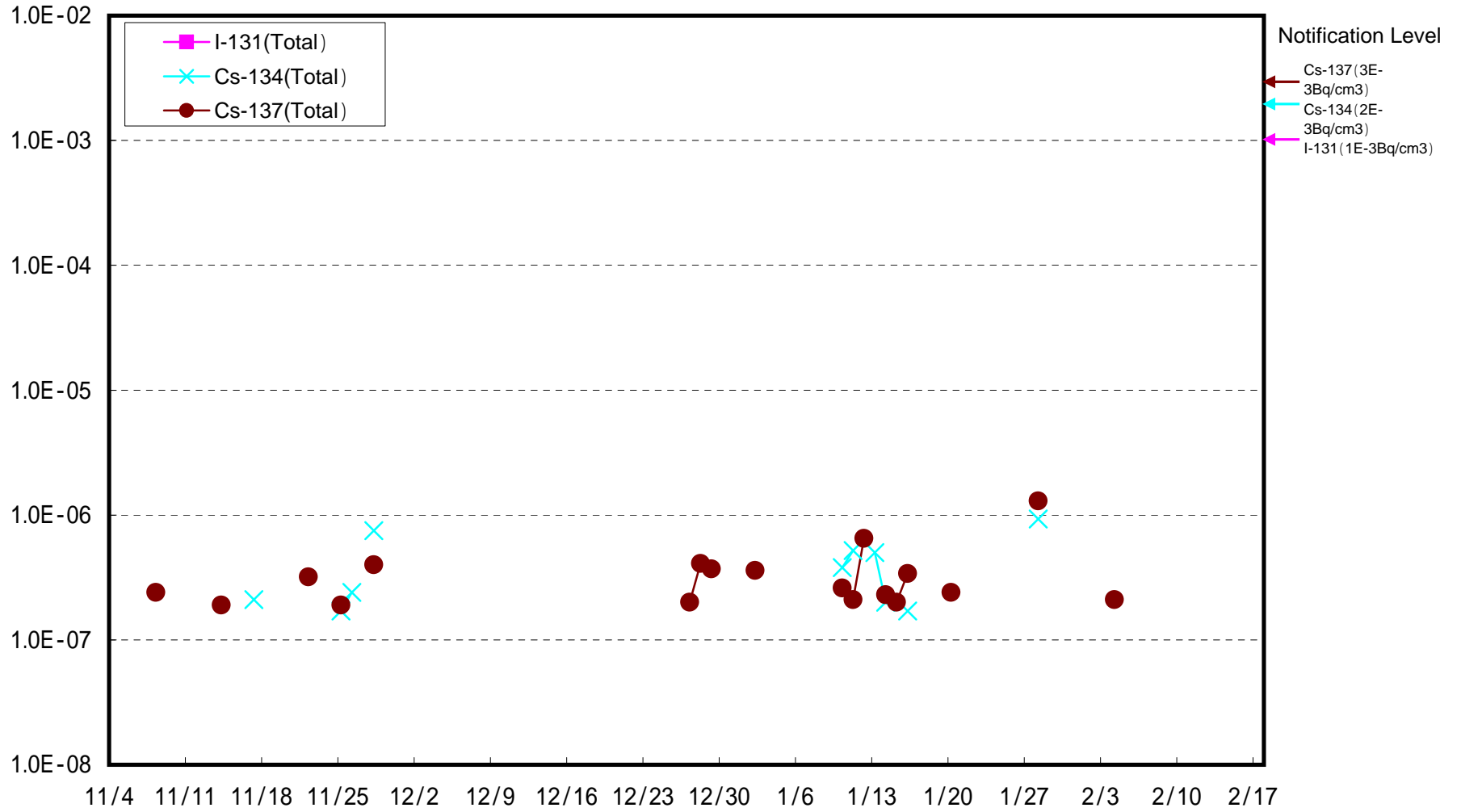
Type of Samples	Date of sampling	Pu-238	Pu-239, Pu-240
Volatile	1/30	N.D. [ $<6.7 \times 10^{-10}$ ]	N.D. [ $<6.3 \times 10^{-10}$ ]
Particulate		N.D. [ $<1.0 \times 10^{-9}$ ]	N.D. [ $<9.3 \times 10^{-10}$ ]

4. Evaluation

Pu-238, Pu-239 and Pu-240 were not detected from the samples measured this time.

End

West Gate of Fukushima Daiichi Nuclear Power Station  
Results of Dust Nuclide Analysis (Bq/cm<sup>3</sup>)



(Reference) Fukushima Daini MP-1  
Results of Dust Nuclide Analysis (Bq/cm<sup>3</sup>)

