

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

(Data summarized on January 15)

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	Jan. 14, 2012 7:00 ~ 12:00		Jan. 14, 2012 9:16 ~ 9:26				
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	-			
Cs-134 (about 2 years)	2.0E-07	0.00	ND	-			2E-03
Cs-137 (about 30 years)	2.3E-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  $O.O \times 10^{-O}$

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 of 3 nuclides on the West Gate of Fukushima Daiichi are as follows:

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

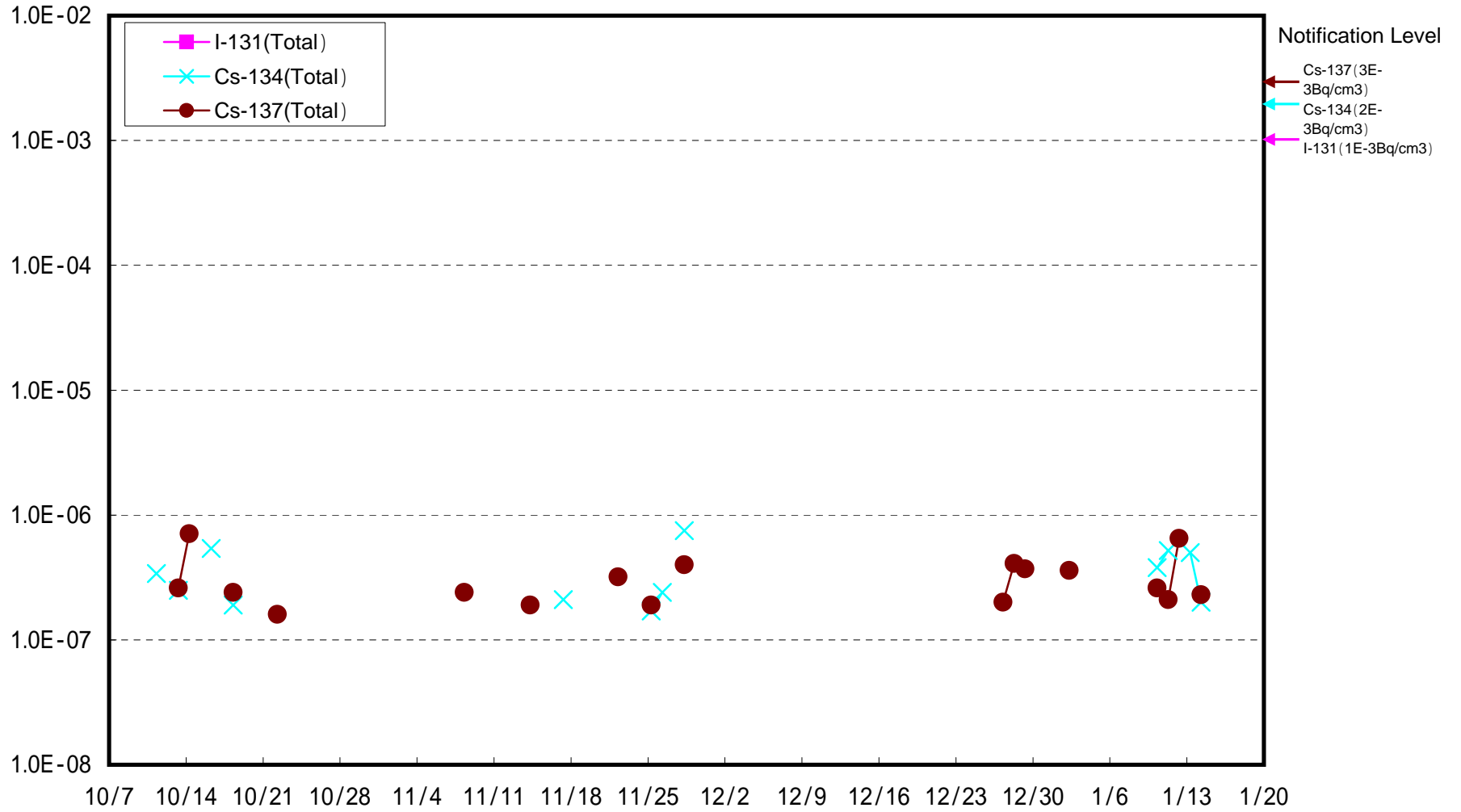
Particulate: I-131: approx.  $6E-8$ Bq/cm<sup>3</sup>

Detection limits of 3 nuclides on MP-1 of Fukushima Daini are as follows:

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

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

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>)

