

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

Reference

(Data summarized on February 21)

| 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> )<br>(Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) |
|-------------------------------|--|---------------------------|--|----------------------|--|----------------------|--|
|                               | Time of Sampling                         | 2012/2/20<br>7:00 ~ 12:00 | 2012/2/20<br>9:20 ~ 9:30                 | Time of Sampling     | 2012/2/20<br>9:20 ~ 9:30                 | Time of Sampling     |  |
| 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.

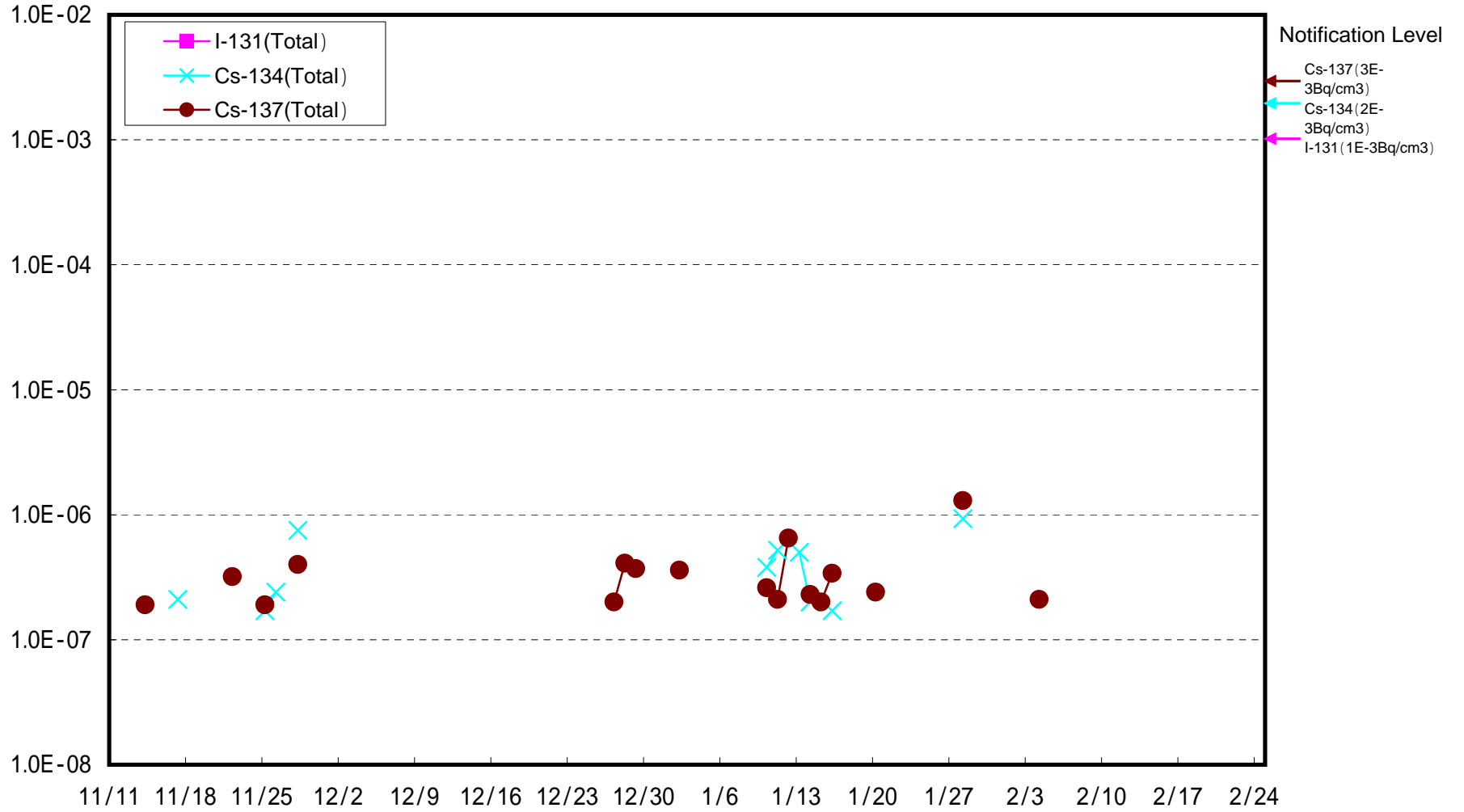
Detection limits at the West Gate of Fukushima Daiichi are as follows:

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. 8E-7Bq/cm<sup>3</sup>, Cs-134: approx. 2E-6Bq/cm<sup>3</sup>, Cs-137: approx. 1E-6Bq/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>)

