

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

(Data summarized on February 23)

| Place of Sampling             | The West Gate of Fukushima Daiichi NPS  |   | MP-1 of Fukushima Daini NPS (Reference) |                      |   |                      | Density Limit Specified by the Reactor Regulation (Bq/cm <sup>3</sup> )<br>(Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2) |
|-------------------------------|---|---|---|----------------------|---|----------------------|--|
|                               | Time of Sampling                        | February 22, 2013<br>7:00 AM - 12:00 PM | February 22, 2013<br>9:08 AM - 9:18 AM  |                      |   |                      |  |
| 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 (Approx. 8 days)        | ND                                      | -                                       | ND                                      | -                    |   |                      | 1E-03  |
| Cs-134 (Approx. 2 years)      | ND                                      | -                                       | ND                                      | -                    |   |                      | 2E-03  |
| Cs-137 (Approx. 30 years)     | ND                                      | -                                       | ND                                      | -                    |   |                      | 3E-03  |

\* The radioactivity density is the sum of the volatile nuclides density and the particulate nuclides density.

O.OE - O is the same as  $O.O \times 10^{-O}$

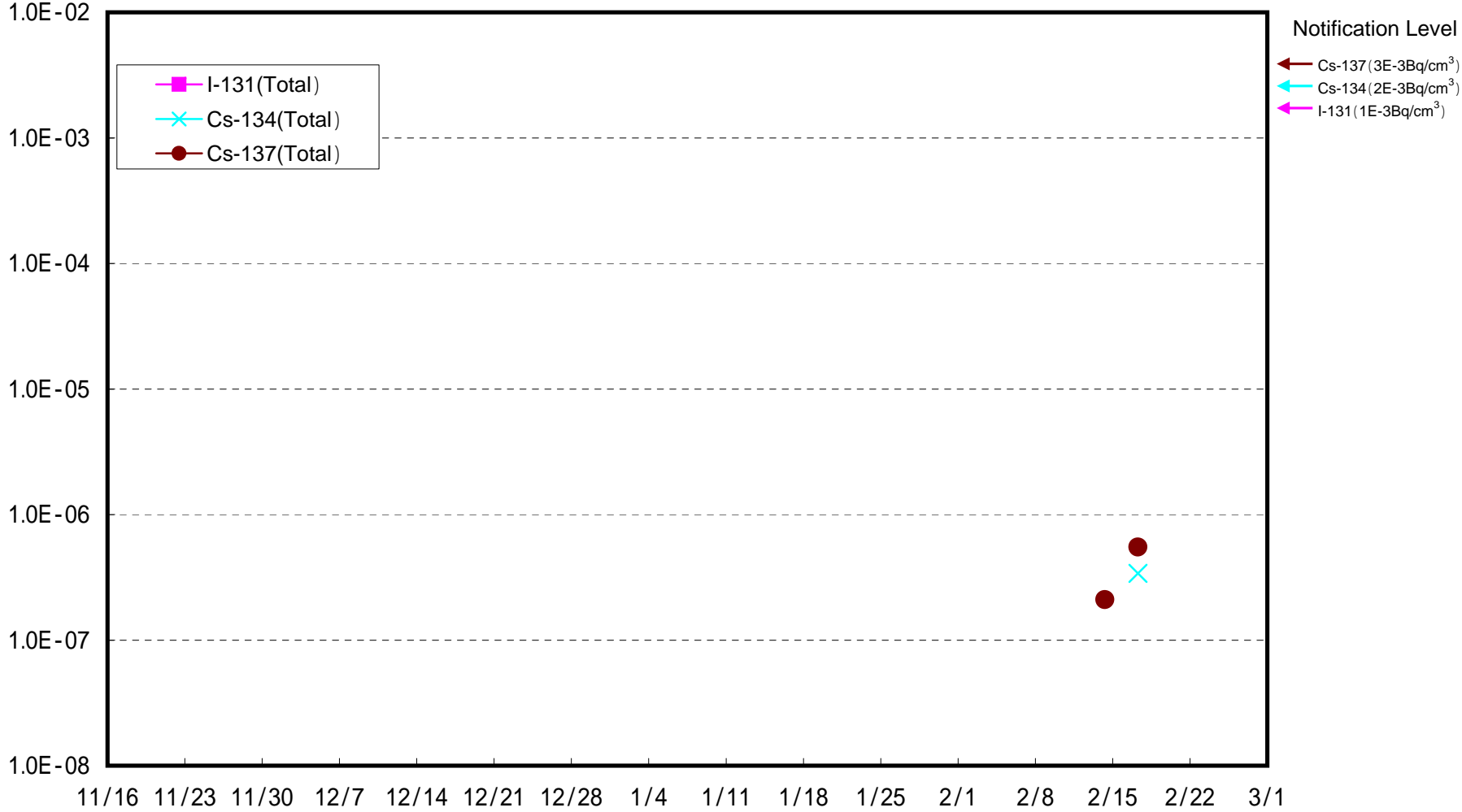
Data of other nuclides is under examination.

\* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

\* "ND" indicates that the measurement result is below the detection limit.

The detection limits at the west gate of Fukushima Daiichi NPS are as follows: Volatile: I-131: Approx. 8E-8Bq/cm<sup>3</sup>, Cs-134: Approx.2E-7Bq/cm<sup>3</sup>, Cs-137: Approx.2E-7Bq/cm<sup>3</sup> Particulate: I-131: Approx. 5E-8Bq/cm<sup>3</sup>, Cs-134: Approx.1E-7Bq/cm<sup>3</sup>, Cs-137: Approx.1E-7Bq/cm<sup>3</sup> The detection limits at MP-1 of Fukushima Daini MPS are as follows: Volatile: I-131: Approx. 2E-6Bq/cm<sup>3</sup>, Cs-134: Approx.2E-6Bq/cm<sup>3</sup>, Cs-137: Approx.2E-6Bq/cm<sup>3</sup> Particulate: I-131: Approx. 8E-7Bq/cm<sup>3</sup>, Cs-134: Approx.9E-7Bq/cm<sup>3</sup>, Cs-137: Approx.9E-7Bq/cm<sup>3</sup>

Dust Nuclides Analysis Result: The West Gate of Fukushima Daiichi Nuclear Power Station (Bq/cm<sup>3</sup>)



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

