

Reference

## Nuclides Analysis Result of the Radioactive Materials in the Air at Fukushima Nuclear Power Stations

(Data summarized on July 10)

| 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              | July 9, 2012<br>7:00AM ~ 12:00PM        |                      | July 9, 2012<br>9:18AM ~ 9:28AM         |                      |   |                      |  |
| 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<br>(Approx. 8 days)     | ND                                      | -                    | ND                                      | -                    | /                                       | /                    | 1E-03  |
| Cs-134<br>(Approx. 2 years)   | ND                                      | -                    | ND                                      | -                    | /                                       | /                    | 2E-03  |
| Cs-137<br>(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 x 10<sup>0</sup>

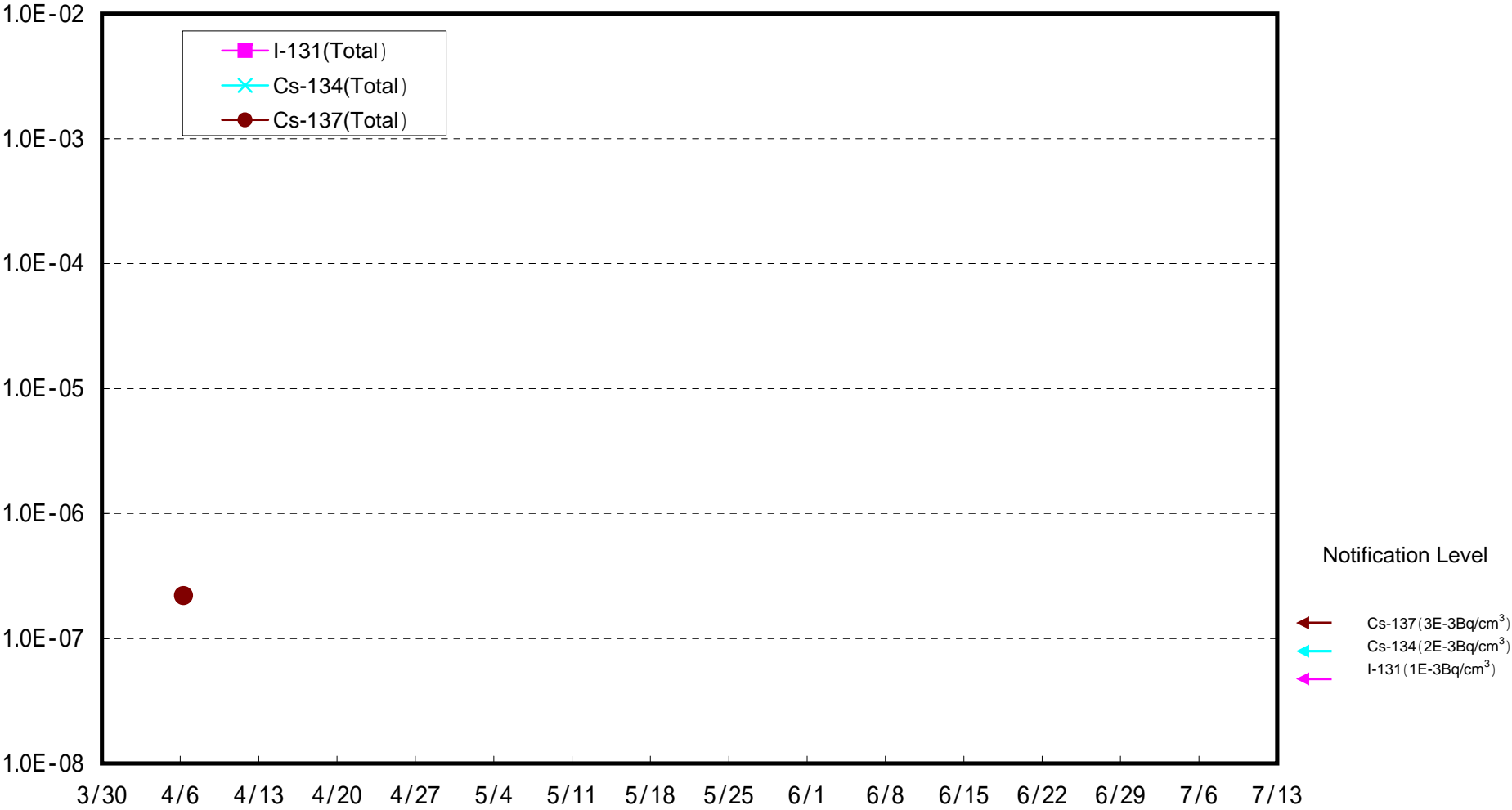
Data of other nuclides is under examination.

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

