

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

(Data summarized on December 11)

|                               |  |                      |  |                      |  |                      |   |
|-------------------------------|--|----------------------|--|----------------------|--|----------------------|---|
| Place of Sampling             | The West Gate of Fukushima Daiichi NPS   |                      |  |                      |  |                      | ② Density Limit Specified by the Reactor Regulation (Bq/cm <sup>3</sup> ) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2) |
| Time of Sampling              | December 10, 2014<br>7:00-12:00          |                      |  |                      |  |                      |   |
| Detected Nuclides (Half-life) | ①Density of Sample (Bq/cm <sup>3</sup> ) | Scaling Factor (①/②) | ①Density of Sample (Bq/cm <sup>3</sup> ) | Scaling Factor (①/②) | ①Density of Sample (Bq/cm <sup>3</sup> ) | Scaling Factor (①/②) |   |
| I-131 (Approx. 8 days)        | ND                                       | -                    |  |                      |  |                      | 1E-03   |
| Cs-134 (Approx. 2 years)      | ND                                       | -                    |  |                      |  |                      | 2E-03   |
| Cs-137 (Approx. 30 years)     | 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-O

Data of other nuclides is under examination.

\* In the case of 2 nuclides or more, 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.1E-7Bq/cm<sup>3</sup>, Cs-137: Approx.1E-7Bq/cm<sup>3</sup> Particulate: I-131: Approx. 5E-8Bq/cm<sup>3</sup>, Cs-134: Approx.8E-8Bq/cm<sup>3</sup>, Cs-137: Approx.7E-8Bq/cm<sup>3</sup>

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

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

