

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

Reference

(Data summarized on December 22)

| Place of Sampling | The West Gate of Fukushima Daiichi NPS | | / | | / | | ② Density Limit Specified by the Reactor Regulation (Bq/cm ³) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2) |
|-------------------------------|--|----------------------|--|----------------------|--|----------------------|---|
| Time of Sampling | December 21, 2014 7:00~12:00 | | / | | / | | |
| Detected Nuclides (Half-life) | ①Density of Sample (Bq/cm ³) | Scaling Factor (①/②) | ①Density of Sample (Bq/cm ³) | Scaling Factor (①/②) | ①Density of Sample (Bq/cm ³) | 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/cm³, Cs-134: Approx.1E-7Bq/cm³, Cs-137: Approx.1E-7Bq/cm³ Particulate: I-131: Approx. 7E-8Bq/cm³, Cs-134: Approx.8E-8Bq/cm³, Cs-137: Approx.7E-8Bq/cm³

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/cm³)

