

**Nuclide Analysis Result of the Radioactive Materials in the Air at Upper Part of Unit 4 Reactor Building
in Fukushima Daiichi Nuclear Power Station <1/2>**

Reference

(Data summarized on March 19)

| Place of Sampling | Unit 4 Reactor Building ① (Exit of Exhaust Gas Filter) (Particulate Filter) | | Unit 4 Reactor Building ② (Exit of Exhaust Gas Filter) (Charcoal Filter) | | Unit 4 Reactor Building ③ (Near SFP) (Particulate Filter) | | 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) |
|-----------------------------------|--|----------------------------|---|----------------------------|---|----------------------------|--|
| | 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) | |
| Time of Sampling | March 11, 2014 10:38 AM -11:38 AM | | March 11, 2014 10:38 AM -11:38 AM | | March 11, 2014 10:58 AM -11:58 AM | | |
| Detected Nuclides (Half- life) | | | | | | | |
| I-131 (Approx. 8 days) | ND | - | ND | - | ND | - | 1E-03 |
| Cs-134 (Approx. 2 years) | ND | - | ND | - | ND | - | 2E-03 |
| Cs-137 (Approx. 30 years) | ND | - | ND | - | ND | - | 3E-03 |

* O.OE—O is the same as O.O x 10⁰

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 are as follows.

Volatile: I-131: Approx. 3E-7Bq/cm³, Cs-134: Approx.7E-7Bq/cm³, Cs-137: Approx.1E-6Bq/cm³

Particulate: I-131: Approx. 2E-7Bq/cm³, Cs-134: Approx.4E-7Bq/cm³, Cs-137: Approx.6E-7Bq/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.

**Nuclide Analysis Result of the Radioactive Materials in the Air at Upper Part of Unit 4 Reactor Building
in Fukushima Daiichi Nuclear Power Station <2/2>**

Reference

(Data summarized on March 19)

| Place of Sampling | Unit 4 Reactor Building ④ (Near SFP) (Charcoal Filter) | | Unit 4 Reactor Building ⑤ (Near Chenging) (Particulate Filter) | | Unit 4 Reactor Building ⑥ (Opening of Exhaust Gas Filter) (Particulate Filter) | | 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 | March 3, 2014 10:58 AM - 11:58 AM | March 3, 2014 6:56 AM - 7:56 AM | March 3, 2014 7:58 AM - 8:58 AM | | | |
| 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 | - | ND | - | ND | - | 1E-03 |
| Cs-134 (Approx. 2 years) | ND | - | ND | - | ND | - | 2E-03 |
| Cs-137 (Approx. 30 years) | ND | - | ND | - | ND | - | 3E-03 |

* O.OE—O is the same as O.O x 10⁰

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 are as follows.

Volatile: I-131: Approx. 3E-7Bq/cm³, Cs-134: Approx.6E-7Bq/cm³, Cs-137: Approx.1E-6Bq/cm³

Particulate: I-131: Approx. 3E-7Bq/cm³, Cs-134: Approx.7E-7Bq/cm³, Cs-137: Approx.1E-6Bq/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.