

Result of Nuclide Analysis of Radioactive Material in the Air at Upper part of Reactor Building, Unit1
at Fukushima Daiichi Nuclear Power Plant <1/3>

Reference

(Data summarized on March 9)

| Place of Sampling | Upper part of Reactor Building U1① (Inlet of cover exhaust system filter) | | Upper part of Reactor Building U1② (Outlet of cover exhaust system filter) | | Upper part of Reactor Building U1③ (Cover Northwest corner) | | ②Density limit by the announcement of Reactor Regulation (Bq/cm ³) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) |
|-------------------------------|---|----------------------|--|----------------------|---|----------------------|---|
| Time of Sampling | 1-Mar-12 7:00~8:00 | | 1-Mar-12 8:37~9:37 | | 1-Mar-12 4:57~5:57 | | |
| 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 (about 8 days) | ND | - | ND | - | ND | - | |
| Cs-134 (about 2 years) | 1.0E-05 | 0.01 | ND | - | 7.8E-06 | 0.00 | 2E-03 |
| Cs-137 (about 30 years) | 1.7E-05 | 0.01 | ND | - | 1.2E-05 | 0.00 | 3E-03 |

* O.OE—O means O.O x 10-O

Data of other nuclides are under examination.

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* "ND" means the sampled data is below measurable limit.

The followings show the detection limits. I-131: approx. 9E-7Bq/cm³, Cs-134: approx. 2E-6Bq/cm³, Cs-137: approx. 2E-6Bq/cm³

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

This survey shows results of the nuclide analysis of particulate radioactive materials in the air.

Result of Nuclide Analysis of Radioactive Material in the Air at Upper part of Reactor Building, Unit1
at Fukushima Daiichi Nuclear Power Plant <2/3>

Reference

(Data summarized on March 9)

| Place of Sampling | Upper part of Reactor Building U1④ (Cover Northwest corner) | | Upper part of Reactor Building U1⑤ (Cover Southwest corner) | | Upper part of Reactor Building U1⑥ (Open part of operation floor) | | ②Density limit by the announcement of Reactor Regulation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) |
|-------------------------------|---|----------------------|---|----------------------|---|----------------------|---|
| Time of Sampling | 1-Mar-12 3:56~4:56 | | 1-Mar-12 5:58~6:58 | | 1-Mar-12 2:55~3:55 | | |
| Detected Nuclides (Half-life) | ①density of sample (Bq/cm3) | Scaling Factor (①/②) | ①density of sample (Bq/cm3) | Scaling Factor (①/②) | ①density of sample (Bq/cm3) | Scaling Factor (①/②) | |
| I-131 (about 8 days) | ND | - | ND | - | ND | - | 1E-03 |
| Cs-134 (about 2 years) | 6.3E-06 | 0.00 | 6.0E-06 | 0.00 | 5.1E-06 | 0.00 | 2E-03 |
| Cs-137 (about 30 years) | 9.6E-06 | 0.00 | 1.1E-05 | 0.00 | 8.5E-06 | 0.00 | 3E-03 |

* O.OE—O means O.O x 10-O

Data of other nuclides are under examination.

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* "ND" means the sampled data is below measurable limit.

The followings show the detection limits.

I-131: approx. 8E-7Bq/cm3

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

This survey shows results of the nuclide analysis of particulate radioactive materials in the air.

Result of Nuclide Analysis of Radioactive Material in the Air at Upper part of Reactor Building, Unit1
at Fukushima Daiichi Nuclear Power Plant <3/3>

Reference

(Data summarized on March 9)

| | | | | | | | |
|-------------------------------|---|----------------------|--|----------------------|--|----------------------|---|
| Place of Sampling | Upper part of Reactor Building U1⑦ (Ceiling of Spent Fuel Pool) | | | | | | ②Density limit by the announcement of Reactor Regulation (Bq/cm ³) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) |
| Time of Sampling | 1-Mar-12 8:01~9:01 | | | | | | |
| 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 (about 8 days) | ND | - | | | | | |
| Cs-134 (about 2 years) | 7.5E-06 | 0.00 | | | | | 2E-03 |
| Cs-137 (about 30 years) | 1.2E-05 | 0.00 | | | | | 3E-03 |

* O.OE – O means O.O x 10-O

Data of other nuclides are under examination.

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* "ND" means the sampled data is below measurable limit.

The followings show the detection limits.

I-131: approx. 9E-7Bq/cm³

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

This survey shows results of the nuclide analysis of particulate radioactive materials in the air.