

Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

Reference

(Data summarized on October 8)

| Place of Sampling | West Gate of Fukushima Daiichi NPS | | MP-1 of Fukushima Daini (Reference) | | | | Density 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 | 2011/10/7 7:00-12:00 | | 2011/10/7 9:33-9:43 | | | | |
| Detected Nuclides (Half-life) | density of sample (Bq/cm ³) | Scaling Factor (/) | density of sample (Bq/cm ³) | Scaling Factor (/) | density of sample (Bq/cm ³) | Scaling Factor (/) | |
| I-131 (about 8 days) | ND | - | ND | - | / | / | 1E-03 |
| Cs-134 (about 2 years) | ND | - | ND | - | / | / | 2E-03 |
| Cs-137 (about 30 years) | ND | - | ND | - | / | / | 3E-03 |

* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

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.

Detection limits of 3 nuclides on the West Gate of Fukushima Daiichi are as follows:

Volatile: I-131: approx. 1E-7Bq/cm³, Cs-134: approx. 3E-7Bq/cm³, Cs-137: approx. 4E-7Bq/cm³ Particulate: I-131: approx. 7E-8Bq/cm³, Cs-134: approx. 2E-7Bq/cm³, Cs-137: approx. 2E-7Bq/cm³

Detection limits of 3 nuclides on MP-1 of Fukushima Daini are as follows:

Volatile: I-131: approx. 2E-6Bq/cm³, Cs-134: approx. 3E-6Bq/cm³, Cs-137: approx. 3E-6Bq/cm³ Particulate: I-131: approx. 1E-6Bq/cm³, Cs-134: approx. 2E-6Bq/cm³, Cs-137: approx. 2E-6Bq/cm³

Nuclide Analysis Results of Radioactive Materials in the Air
at the seaside in front of the site of Fukushima Daiichi Nuclear Power Station

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| Reference |
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(Data summarized on October 8)

| Place of Sampling | 2km-3km offshore of Fukushima Daiichi on the sea 1st sampling | | 2km-3km offshore of Fukushima Daiichi on the sea 2nd sampling | | 2km-3km offshore of Fukushima Daiichi on the sea 3rd sampling | | 2km-3km offshore of Fukushima Daiichi on the sea 4th sampling | | Density 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 | 2011/10/7 7:45-8:15 | | 2011/10/7 8:20-8:50 | | 2011/10/7 8:53-9:23 | | 2011/10/7 9:25-9:55 | | |
| Detected Nuclides (Half-life) | density of sample (Bq/cm ³) | Scaling Factor (/) | density of sample (Bq/cm ³) | Scaling Factor (/) | density of sample (Bq/cm ³) | Scaling Factor (/) | density of sample (Bq/cm ³) | Scaling Factor (/) | |
| I-131 (about 8 days) | ND | - | ND | - | ND | - | ND | - | 1E-03 |
| Cs-134 (about 2 years) | 3.3E-06 | 0.00 | 1.9E-07 | 0.00 | 1.8E-07 | 0.00 | 5.0E-08 | 0.00 | 2E-03 |
| Cs-137 (about 30 years) | 4.0E-06 | 0.00 | 2.5E-07 | 0.00 | 2.0E-07 | 0.00 | 4.6E-08 | 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 following shows the detection limit: I-131: approx. 6E-8Bq/cm³.

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