Result of Nuclide Analysis of Radioactive Material in the Air at Upper part of Reactor Building, Unit 3 at Fukushima Daiichi Nuclear Power Plant ＜1/2＞

Reference

(Data summarized on March 9)

Place of Sampling	Upper part of Reactor Building U3① (Northeast(downside))		Upper part of Reactor Building U3② (Northeast(cross direction))		Upper part of Reactor Building U3③ (Northeast(downside))		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 10:50～11:20		1-Mar-12 10:50～11:20		1-Mar-12 12:10～12:40		
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)	2.0E-05	0.01	4.8E-05	0.02	2.3E-05	0.01	2E-03
Cs-137 (about 30 years)	1.6E-05	0.01	2.0E-05	0.01	3.1E-05	0.01	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.

The followings show the detection limits.

Volatile: I-131: approx. 9E-6Bq/cm3, Cs-134: approx. 2E-5Bq/cm3, Cs-137: approx. 3E-5Bq/cm3

Particulate: I-131: approx. 6E-6Bq/cm3

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

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

Reference

(Data summarized on March 9)

Place of Sampling	Upper part of Reactor Building U3④ (Northeast(cross direction))		Upper part of Reactor Building U3⑤ (near 3F of equipment hatch))		Upper part of Reactor Building U3⑥ (near 3F of equipment hatch))		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	01-Mar-12 12:10～12:40		01-Mar-12 9:00～9:30		01-Mar-12 9:55～10:25		
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)	5.6E-04	0.28	1.7E-05	0.01	4.3E-05	0.02	2E-03
Cs-137 (about 30 years)	7.6E-04	0.25	1.9E-05	0.01	4.6E-05	0.02	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.

The followings show the detection limits.

Volatile: I-131: approx. 9E-6Bq/cm3, Cs-134: approx. 2E-5Bq/cm3, Cs-137: approx. 3E-5Bq/cm3

Particulate: I-131: approx. 9E-6Bq/cm3

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