Fukushima Daiichi - Result of nuclide analysis of the radioactive material in the air above reactor building＜1/3＞

Reference

(Data summarized on January 5)

Place of Sampling	Upper part of reactor, Unit 1① (entrance of the cover ventilation line filter)		Upper part of reactor, Unit 1② (exit of the cover ventilation line filter)		Upper part of reactor, Unit 1③ (NW corner of the cover)		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	2012/1/3 1:15-2:15		2012/1/3 7:42-8:42		2012/1/3 5:20-6:20		
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)	8.4E-06	0.00	ND	-	9.8E-06	0.00	2E-03
Cs-137 (about 30 years)	1.3E-05	0.00	ND	-	1.3E-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 particulte radioactive materials in the air.

Fukushima Daiichi - Result of nuclide analysis of the radioactive material in the air above reactor building＜2/3＞

Reference

(Data summarized on January 5)

Place of Sampling	Upper part of reactor, Unit 1④ (NE corner of the cover)		Upper part of reactor, Unit 1⑤ (SW corner of the cover)		Upper part of reactor, Unit 1⑥ (hatch of the refueling floor of the reactor building)		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	2012/1/3 4:19-5:19		2012/1/3 2:10-3:10		2012/1/3 3:18-4:18		
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)	8.7E-06	0.00	4.0E-06	0.00	6.6E-06	0.00	2E-03
Cs-137 (about 30 years)	1.4E-05	0.00	6.1E-06	0.00	9.9E-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 particulte radioactive materials in the air.

Fukushima Daiichi - Result of nuclide analysis of the radioactive material in the air above reactor building＜3/3＞

Reference

(Data summarized on January 5)

Place of Sampling	Upper part of reactor, Unit 1⑦ (ceiling of the spent fuel pool)						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	2012/1/3 2:16-3:16						
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	-					1E-03
Cs-134 (about 2 years)	1.1E-05	0.01					2E-03
Cs-137 (about 30 years)	1.5E-05	0.01					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 particulte radioactive materials in the air.