Nuclide Analysis Results of Radioactive Materials in the Air
at the Upper Part of the Reactor Building, Fukushima Daiichi <1/6>

Reference

(Data summarized on Dec. 2)

Place of Sampling	Upper part of reactor building of Unit 3 ① (northeast side in upper part of reactor (downward))		Upper part of reactor building of Unit 3 ② (northeast side in upper part of reactor (sideways))		Upper part of reactor building of Unit 3 ③ (northwest side in upper part of reactor (downward))		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	Nov 29, 2011 9:24～9:54		Nov 29, 2011 9:24～9:54		Nov 29, 2011 10:30～11:00		
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)	2.2E-05	0.01	6.6E-03	3.3	7.7E-05	0.04	2E-03
Cs-137 (about 30 years)	2.9E-05	0.01	8.1E-03	2.7	1.1E-04	0.04	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. 1E-5Bq/cm3, Cs-134: approx. 2E-5Bq/cm3, Cs-137: approx. 3E-5Bq/cm3
Particulate: I-131: approx. 2E-5Bq/cm3

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

Nuclide Analysis Results of Radioactive Materials in the Air
at the Upper Part of the Reactor Building, Fukushima Daiichi <2/6>

Reference

(Data summarized on Dec. 2)

Place of Sampling	Upper part of reactor building of Unit 3 ④ (northwest side in upper part of reactor (sideways))		Upper part of reactor building of Unit 3 ⑤ (southwest side in upper part of reactor (downward))		Upper part of reactor building of Unit 3 ⑥ (southwest side in upper part of reactor (sideways))		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	Nov 29, 2011 10:30~11:00		Nov 29, 2011 11:30～12:00		Nov 29, 2011 11:30～12:00		
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)	5.1E-03	2.6	5.7E-05	0.03	1.5E-04	0.08	2E-03
Cs-137 (about 30 years)	6.3E-03	2.1	5.4E-05	0.02	1.5E-04	0.05	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. 1E-5Bq/cm3, Cs-134: approx. 2E-5Bq/cm3, Cs-137: approx. 3E-5Bq/cm3
Particulate: I-131: approx. 3E-5Bq/cm3

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

Nuclide Analysis Results of Radioactive Materials in the Air
at the Upper Part of the Reactor Building, Fukushima Daiichi <3/6>

Reference

(Data summarized on Dec. 2)

Place of Sampling	Upper part of reactor building of Unit 3 ⑦ (machine hatch opening around 3rd floor)		Upper part of reactor building of Unit 3 ⑧ (machine hatch opening at 1st 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	Nov 29, 2011 12:30～13:00		Nov 29, 2011 12:30～13:00				
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	-			1E-03
Cs-134 (about 2 years)	2.1E-04	0.11	1.2E-04	0.06			2E-03
Cs-137 (about 30 years)	2.7E-04	0.09	1.8E-04	0.06			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. 1E-5Bq/cm3 Particulate: I-131: approx. 1E-5Bq/cm3

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

Nuclide Analysis Results of Radioactive Materials in the Air
at the Upper Part of the Reactor Building, Fukushima Daiichi <4/6>

Reference

(Data summarized on Dec. 2)

Place of Sampling	Upper part of reactor building of Unit 3 ① (northeast side in upper part of reactor (downward))		Upper part of reactor building of Unit 3 ② (northeast side in upper part of reactor (sideways))		Upper part of reactor building of Unit 3 ③ (northwest side in upper part of reactor (downward))		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	Nov 30, 2011 9:00～9:30		Nov 30, 2011 9:00～9:30		Nov 30, 2011 11:00～11:30		
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)	4.6E-04	0.23	7.8E-04	0.39	4.4E-04	0.22	2E-03
Cs-137 (about 30 years)	5.9E-04	0.20	9.8E-04	0.33	5.0E-04	0.17	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. 1E-5Bq/cm3 Particulate: I-131: approx. 1E-5Bq/cm3

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

Nuclide Analysis Results of Radioactive Materials in the Air
at the Upper Part of the Reactor Building, Fukushima Daiichi <5/6>

Reference

(Data summarized on Dec. 2)

Place of Sampling	Upper part of reactor building of Unit 3 ④ (northwest side in upper part of reactor (sideways))		Upper part of reactor building of Unit 3 ⑤ (southwest side in upper part of reactor (downward))		Upper part of reactor building of Unit 3 ⑥ (southwest side in upper part of reactor (sideways))		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	Nov 30, 2011 (Not sampled)		Nov 30, 2011 12:00～12:30		Nov 30, 2011 12:00～12:30		
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	-	1E-03
Cs-134 (about 2 years)	-	-	2.6E-04	0.13	7.0E-04	0.35	2E-03
Cs-137 (about 30 years)	-	-	3.1E-04	0.10	8.4E-04	0.28	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 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.

Nuclide Analysis Results of Radioactive Materials in the Air
at the Upper Part of the Reactor Building, Fukushima Daiichi <6/6>

Reference

(Data summarized on Dec. 2)

Place of Sampling	Upper part of reactor building of Unit 3 ⑦ (machine hatch opening around 3rd floor)		Upper part of reactor building of Unit 3 ⑧ (machine hatch opening at 1st 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	Nov 30, 2011 10:00～10:30		Nov 30, 2011 10:00～10:30				
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	-			1E-03
Cs-134 (about 2 years)	8.5E-05	0.04	1.3E-04	0.07			2E-03
Cs-137 (about 30 years)	1.0E-04	0.03	1.3E-04	0.04			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. 1E-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.