

Reference

Nuclide Analysis in the Air at Upper Part of Unit 1 Reactor Building of Fukushima Daiichi NPS <1/3>

(Data summarized on May 10)

Place of Sampling	Upper part of reactor building of Unit 1 (entrance of cover exhaust system filter)	Upper part of reactor building of Unit 1 (exit of cover exhaust system filter)	Upper part of reactor building of Unit 1 (Northwest corner of cover)	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	May 7, 2012 4:11 AM ~ 5:11 AM	May 7, 2012 8:54 AM ~ 9:54 AM	May 7, 2012 8:16 AM ~ 9:16 AM				
Detected Nuclides (Half-life)	density of sample (Bq/cm ³)	Scaling Factor (/)	density of sample (Bq/cm ³)				
I-131 (approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (approx. 2 years)	1.0E-05	0.01	ND	-	1.3E-05	0.01	2E-03
Cs-137 (approx. 30 years)	1.6E-05	0.01	ND	-	1.9E-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, 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.

Nuclide Analysis in the Air at Upper Part of Unit 1 Reactor Building of Fukushima Daiichi NPS <2/3>

(Data summarized on May 10)

Place of Sampling	Upper part of reactor building of Unit 1 (Northeast corner of cover)		Upper part of reactor building of Unit 1 (Southwest corner of cover)		Upper part of reactor building of Unit 1 (refueling floor opening of reactor building)		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	May 7, 2012 7:15 AM ~ 8:15 AM	May 7, 2012 9:17 AM ~ 10:17 AM	May 7, 2012 6:14 AM ~ 7:14 AM			
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 (approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (approx. 2 years)	7.2E-06	0.00	1.9E-05	0.01	1.2E-05	0.01	2E-03
Cs-137 (approx. 30 years)	1.3E-05	0.00	3.2E-05	0.01	1.8E-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. 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.

Reference

Nuclide Analysis in the Air at Upper Part of Unit 1 Reactor Building of Fukushima Daiichi NPS <3/3>

(Data summarized on May 10)

Place of Sampling	Upper part of reactor building of Unit 1 (ceiling of spent fuel pool)						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	May 7, 2012 5:13 AM ~ 6:13 AM						
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 (approx. 8 days)	ND	-	/	/	/	/	1E-03
Cs-134 (approx. 2 years)	1.1E-05	0.01	/	/	/	/	2E-03
Cs-137 (approx. 30 years)	1.6E-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 particulate radioactive materials in the air.