

Reference

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

(Data summarized on May 10)

Place of Sampling	Upper part of reactor building of Unit 2 (central western side of blow-out panel)	Upper part of reactor building of Unit 2 (central northern side of blow-out panel)	Upper part of reactor building of Unit 2 (central northern side of blow-out panel)	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 8, 2012 8:57 AM ~ 10:57 AM	May 8, 2012 8:57 AM ~ 10:57 AM	May 8, 2012 11:15 AM ~ 13:15 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)	2.0E-05	0.01	4.2E-06	0.00	ND	-	2E-03
Cs-137 (approx. 30 years)	2.4E-05	0.01	7.5E-06	0.00	6.3E-06	0.00	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. 3E-6Bq/cm³, Cs-134: approx. 7E-6Bq/cm³, Cs-137: approx. 8E-6Bq/cm³

Particulate: I-131: approx. 2E-6Bq/cm³ Cs-134: approx. 4E-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 in the Air at Upper Side of Unit 2 Reactor Building of Fukushima Daiichi NPS <2/2>

(Data summarized on May 10)

Place of Sampling	Upper part of reactor building of Unit 2 (central northern side of blow-out panel)						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)
	density of sample (Bq/cm ³)	Scaling Factor (/)	density of sample (Bq/cm ³)	Scaling Factor (/)	density of sample (Bq/cm ³)	Scaling Factor (/)	
Time of Sampling	May 8, 2012 11:15 AM ~ 1:15 AM						
Detected Nuclides (Half-life)							
I-131 (approx. 8 days)	ND	-					1E-03
Cs-134 (approx. 2 years)	4.0E-06	0.00					2E-03
Cs-137 (approx. 30 years)	7.0E-06	0.00					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.

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Particulate: I-131: 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.