

Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations <1/2>

(Data summarized on September 16)

Place of Sampling	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)		/		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	2011/9/15 7:00 ~ 12:00		2011/9/15 9:34 ~ 9:44		/		
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 (about 8 days)	ND	-	ND	-	/		1E-03
Cs-134 (about 2 years)	ND	-	ND	-	/		2E-03
Cs-137 (about 30 years)	6.6E-07	0.00	ND	-	/		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. Detection limits of 3 nuclides on the West Gate of Fukushima Daiichi are as follows:

Volatile: I-131: approx. 1E-7Bq/cm³, Cs-134: approx. 4E-7Bq/cm³ Particulate: I-131: approx. 7E-8Bq/cm³, Cs-134: approx. 2E-7Bq/cm³

Detection limits of 3 nuclides on MP-1 of Fukushima Daini are as follows: Volatile: I-131: approx. 2E-6Bq/cm³, Cs-134: approx. 3E-6Bq/cm³, Cs-

137: approx. 3E-6Bq/cm³ Particulate: I-131: approx. 1E-6Bq/cm³, Cs-134: approx. 2E-6Bq/cm³, Cs-137: approx. 2E-6Bq/cm³

Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations <2/2>

(Data summarized on September 16)

Place of Sampling	Fukushima Daiichi Unit 1 North Side Slope		Fukushima Daiichi Unit 1 and Unit 2 West Side Slope		Fukushima Daiichi Unit 3 and Unit 4 West Side Slope		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	2011/9/15 10:34 ~ 15:34		2011/9/15 10:43 ~ 15:43		2011/9/15 10:49 ~ 15:49		
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 (about 8 days)	ND	-	ND	-	ND	-	
Cs-134 (about 2 years)	ND	-	2.8E-06	0.00	ND	-	2E-03
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	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. 2E-6Bq/cm³, Cs-134: approx. 5E-6Bq/cm³, Cs-137: approx. 6E-6Bq/cm³ Particulate: I-131: approx. 1E-6Bq/cm³, Cs-134: approx. 3E-6Bq/cm³, Cs-137: approx. 3E-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 materials in the air of sea area of Fukushima Daiichi Nuclear Power Station

(Data summarized on September 16)

Place of Sampling	Fukushima Daiichi Upper of South Breakwater		Fukushima Daiichi Upper of Megafloat				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	2011/9/14 19:00 ~ 24:00	2011/9/14 19:00 ~ 24:00	2011/9/14 19:00 ~ 24:00			
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 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	3.8E-07	0.00	ND	-			2E-03
Cs-137 (about 30 years)	6.3E-07	0.00	ND	-			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. 2E-7Bq/cm³, Cs-134: approx. 6E-7Bq/cm³, Cs-137: approx. 6E-7Bq/cm³ Particulate: I-131: approx. 1E-7Bq/cm³, Cs-134: approx. 3E-7Bq/cm³, Cs-137: approx. 3E-7Bq/cm³ Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Reference

Result of nuclide analysys of radioactive materials in the air of sea area in front of Fukushima Daiichi Nuclear Power Station site
(Data summarized on September 16)

Place of Sampling	Fukushima Daiichi Upper of Offshore 2km-3km 1st time		Fukushima Daiichi Upper of Offshore 2km-3km 2nd time		Fukushima Daiichi Upper of Offshore 2km-3km 3rd time		Fukushima Daiichi Upper of Offshore 2km-3km 4th time		Density 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	2011 Sep 14 (Not sampled)		2011 Sep 14 (Not sampled)		2011 Sep 14 (Not sampled)		2011 Sep 14 (Not sampled)		
Detected Nuclides (Half-life)	density of sample (Bq/cm3)	Scaling Factor (/)	density of sample (Bq/cm3)	Scaling Factor (/)	density of sample (Bq/cm3)	Scaling Factor (/)	density of sample (Bq/cm3)	Scaling Factor (/)	
I-131 (about 8 days)	-	-	-	-	-	-	-	-	1E-03
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	2E-03
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	3E-03

* O.OE - O means O.O x 10-O