

Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations
(Data summarized on September 17)

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	2011/9/16 7:00 ~ 12:00		2011/9/16 9:22 ~ 9:32				
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)	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.

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. 3E-7Bq/cm³, Cs-137: approx. 4E-7Bq/cm³ Particulate: I-131: approx. 9E-8Bq/cm³, Cs-134: approx. 2E-7Bq/cm³, Cs-137: approx. 2E-7Bq/cm³

Detection limits of 3 nuclides on MP-1 of Fukushima Daini are as follows:

Volatile: I-131: approx. 3E-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

Reference

Result of nuclide analysis of radioactive materials in the air of sea area in front of Fukushima Daiichi Nuclear Power Station site

(Data summarized on September 17)

Place of Sampling	Fukushima Daiichi Upper of Offshore 2km- 3km first time		Fukushima Daiichi Upper of Offshore 2km- 3km second time		Fukushima Daiichi Upper of Offshore 2km- 3km third time		Fukushima Daiichi Upper of Offshore 2km- 3km fourth time		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 21:13 ~ 21:43		2011/9/15 21:45 ~ 22:15		2011/9/15 22:17 ~ 22:47		2011/9/15 22:48 ~ 23:18		
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 (/)	density of sample (Bq/cm ³)	Scaling Factor (/)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	ND	-	8.5E-07	0.00	ND	-	2E-03
Cs-137 (about 30 years)	ND	-	ND	-	9.3E-07	0.00	ND	-	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. 4E-8Bq/cm³, Cs-134: approx. 5E-8Bq/cm³, Cs-137: approx. 5E-8Bq/cm³

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

This is the result of nuclides analysis for aerial radioactive particles.