Reference

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

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Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fukushima Daini (Reference)				Density limit by the announcement of Reactor
Time of Sampling	2011/10/27 7:00am ~ 12:00am		2011/10/27 9:20am ~ 9:29am				Regulation (Bq/cm3) (Density limit in the air to which radiation workers
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 (/)	breathe in the section 4 of the appendix 2)
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. 3E-7Bq/cm3 Particulate: I-131: approx. 6E-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. 2E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3 Particulate: I-131: approx. 8E-7Bq/cm3, Cs-134: approx. 2E-6Bq/cm3

(Data summarized on October 28)

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

Reference

(Data summarized on October 28)

Place of Sampling	Fukushima Daiichi Unit 1 North Side Slope		Fukushima Daiich Unit 2 West Side S		Fukushima Daiich Unit 4 West Side S		Density limit by the announcement of Reactor
Time of Sampling	2011/10/27 9:45am ~ 2:45pm		2011/10/27 9:52am ~ 2:52pm		2011/10/27 9:58am ~ 2:58pm		Regulation (Bq/cm3) (Density limit in the air to which radiation workers
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	breathe in the section 4 of the appendix 2)
I-131 (about 8 days)	ND	-	ND -		ND	-	1E-03
Cs-134 (about 2 years)	ND	-	ND -		ND	-	2E-03
Cs-137 (about 30 years)	ND	-	3.4E-06	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. 134: approx. 5E-6Bq/cm3, Cs-137: approx. 5E-6Bq/cm3 6Bq/cm3 Volatile: I-131: approx. 2E-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.

Nuclide Analysis Results of Radioactive Materials in the Air at the seaside of the sites of Fukushima Nuclear Power Stations

Place of Sampling	Fukushima D Upper of South B		Fukushima I Upper of Meç				Density limit by the announcement of Reactor
Time of Sampling	2011/10/26 7:00 pm ~ 12:00 am		2011/10/26 7:00 pm ~ 12:00 am				Regulation (Bq/cm3) (Density limit in the air to which radiation workers
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	breathe in the section 4 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	1.1E-06	0.00	ND	-			2E-03
Cs-137 (about 30 years)	1.2E-06	0.00	ND	-			3E-03

(Data summarized on October 28)

* 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. 134: approx. 4E-7Bq/cm3, Cs-137: approx. 5E-7Bq/cm3 The followings show the detection limits.。 Volatile: I-131: approx. 2E-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

Nuclide Analysis Results of Radioactive Materials in the Air at the seaside in front of the site of Fukushima Daiiichi Nuclear Power Station

(Data summarized on October 28)

Place of Sampling	2km-3km offshore of Fukushima Daiichi on the sea 1st sampling 2011/10/26 12:00 pm ~ 12:30pm		2km-3km offshore of Fukushima Daiichi on the sea 2nd sampling		2km-3km offshore of Fukushima Daiichi on the sea 3rd sampling		2km-3km offshore of Fukushima Daiichi on the sea 4th sampling		Density limit by the announcement of Reactor Regulation (Bq/cm3) (Density limit in the air to which radiation workers breathe in
Time of Sampling			2011/10/26 12:50 ~ 1:20pm		2011/10/26 1:21pm ~ 1:51pm		2011/10/26 1:55pm ~ 2:25pm		
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)	ND	-	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	ND	-	2.7E-07	0.00	ND	-	2E-03
Cs-137 (about 30 years)	ND	-	ND	-	3.2E-07	0.00	ND	-	3E-03

* 0.0E - 0 means 0.0 x 10-0

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.

* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable". The followings show the detection limits... I-131: approx. 3E-8Bq/cm3, Cs-134: approx. 3E-8Bq/cm3, Cs-137: approx. 3E-8Bq/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 particulte radioactive materials in the air.