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

Reference

(Data summarized on September 14)

Place of Sampling	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				②Density 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	2011/9/13 7:00～12:00		2011/9/13 9:30～9:40				
Detected Nuclides (Half-life)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	4.4E-07	0.00	ND	-			2E-03
Cs-137 (about 30 years)	5.8E-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. 2E-7Bq/cm3, Cs-134: approx. 4E-7Bq/cm3, Cs-137: approx. 4E-7Bq/cm3 Particulate: I-131: approx. 7E-8Bq/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. 4E-6Bq/cm3 Particulate: I-131: approx. 9E-7Bq/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>

Reference

(Data summarized on September 14)

Place of Sampling	Fukushima Daiichi MP-1		Fukushima Daiichi MP-3		Fukushima Daiichi MP-8		②Density 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	2011/9/13 10:05～15:05		2011/9/13 10:35～15:35		2011/9/13 10:20～15:20		
Detected Nuclides (Half-life)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	1.5E-06	0.00	ND	-	2E-03
Cs-137 (about 30 years)	ND	-	8.8E-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. 5E-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.

Nuclide Analysis Results of Radioactive Materials in the Air
at the Ocean Side of Fukushima Nuclear Power Stations

Reference

(Data summarized on September 14)

Place of Sampling	Fukushima Daiichi Upper of South Breakwater		Fukushima Daiichi Upper of Megafloat				②Density 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	2011/9/12 19:00～24:00		2011/9/12 19:00～24:00				
Detected Nuclides (Half-life)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	ND	-	1.5E-06	0.00			2E-03
Cs-137 (about 30 years)	ND	-	1.7E-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. 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

Nuclide Analysis Results of Radioactive Materials in the Air at the Ocean Front of Fukushima Nuclear Power Stations

(Data summarized on September 14)

Place of Sampling	Fukushima Daiichi Upper of Offshore 2km-3km (1st)		Fukushima Daiichi Upper of Offshore 2km-3km (2nd)		Fukushima Daiichi Upper of Offshore 2km-3km (3rd)		Fukushima Daiichi Upper of Offshore 2km-3km (4th)		②Density 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	2011/9/12 19:00～19:30		2011/9/12 19:35～20:05		2011/9/12 20:06～20:36		2011/9/12 20:37～21:07		
Detected Nuclides (Half-life)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	9.1E-08	0.00	2E-03
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	7.9E-08	0.00	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. 3E-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 sampling survey results from the nulide analysis of radioactive materials in the air.