

Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS <1/5>

(Data summarized on May 24)

Place of Sampling	Process Main Building Opening (East Side)		Incineration Workshop Building Opening (Southeast Side)		On-site Bunker Building Opening (Large Equipment Hatch)		Density Limit Specified by the Reactor Regulation (Bq/cm ³) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Time of Sampling	May 20, 2012 10:55 AM ~ 11:55 AM		May 20, 2012 10:55 AM ~ 11:55 AM		May 20, 2012 10:45 AM ~ 11:45 AM		
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 (approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (approx. 2 years)	ND	-	ND	-	ND	-	2E-03
Cs-137 (approx. 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 is the same as O.O x 10-O

Data of other nuclides are under examination.

* In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

* "ND" indicates that the measurement result is below the detection limit.

The followings show the detection limits.

Volatile: I-131: approx. 5E-6Bq/cm³, Cs-134: approx. 1E-5Bq/cm³, Cs-137: approx. 2E-5Bq/cm³

Particulate: I-131: approx. 3E-6Bq/cm³, Cs-134: approx. 8E-6Bq/cm³, Cs-137: approx. 9E-6Bq/cm³

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

Nuclides Analysis Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS <2/5>

(Data summarized on May 24)

Place of Sampling	Miscellaneous Solid Waste Volume Reduction Treatment Building Opening (Northeast Side)		Unit 1 Waste Treatment Building (West Side Opening)		Unit 2 Waste Treatment Building (West Side Opening)		Density Limit Specified by the Reactor Regulation (Bq/cm ³) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Time of Sampling	May 20, 2012 10:45 AM ~ 11:45 AM		May 20, 2012 8:55 AM ~ 9:55 AM		May 20, 2012 8:55 AM ~ 9:55 AM		
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 (approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (approx. 2 years)	ND	-	1.0E-05	0.01	ND	-	2E-03
Cs-137 (approx. 30 years)	ND	-	1.9E-05	0.01	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 is the same as O.O x 10-O

Data of other nuclides are under examination.

* In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

* "ND" indicates that the measurement result is below the detection limit.

The followings show the detection limits.

Volatile: I-131: approx. 6E-6Bq/cm³, Cs-134: approx. 1E-5Bq/cm³, Cs-137: approx. 2E-5Bq/cm³

Particulate: I-131: approx. 3E-6Bq/cm³, Cs-134: approx. 8E-6Bq/cm³, Cs-137: approx. 9E-6Bq/cm³

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

Nuclides Analysis Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS <3/5>

(Data summarized on May 24)

Place of Sampling	Unit 4 Waste Treatment Building (Northwest Side Opening)		Unit 4 Reactor Building Opening (Large Equipment Hatch)		Unit 1 Turbine Building Opening (Large Equipment Hatch)		Density Limit Specified by the Reactor Regulation (Bq/cm ³) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Time of Sampling	May 20, 2012 9:05 AM ~ 10:05 AM		May 20, 2012 9:05 AM ~ 10:05 AM		May 20, 2012 12:49 PM ~ 1:49 PM		
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 (approx. 8 days)	ND	-	ND	-	ND	-	
Cs-134 (approx. 2 years)	ND	-	ND	-	ND	-	2E-03
Cs-137 (approx. 30 years)	ND	-	1.1E-05	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 is the same as O.O x 10-O

Data of other nuclides are under examination.

* In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

* "ND" indicates that the measurement result is below the detection limit.

The followings show the detection limits.

Volatile: I-131: approx. 6E-6Bq/cm³, Cs-134: approx. 1E-5Bq/cm³, Cs-137: approx. 2E-5Bq/cm³

Particulate: I-131: approx. 3E-6Bq/cm³, Cs-134: approx. 8E-6Bq/cm³, Cs-137: approx. 9E-6Bq/cm³

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

Nuclides Analysis Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS <4/5>

(Data summarized on May 24)

Place of Sampling	Unit 2 Turbine Building Opening (Large Equipment Hatch)		Unit 3 Turbine Building Opening (Large Equipment Hatch)		Unit 4 Turbine Building Opening (Large Equipment Hatch)		Density Limit Specified by the Reactor Regulation (Bq/cm ³) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Time of Sampling	May 20, 2012 12:49 PM ~ 1:49 PM		May 20, 2012 12:39 PM ~ 1:39 PM		May 20, 2012 12:39 PM ~ 1:39 PM		
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 (approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (approx. 2 years)	ND	-	ND	-	ND	-	2E-03
Cs-137 (approx. 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 is the same as O.O x 10-O

Data of other nuclides are under examination.

* In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

* "ND" indicates that the measurement result is below the detection limit.

The followings show the detection limits.

Volatile: I-131: approx. 5E-6Bq/cm³, Cs-134: approx. 1E-5Bq/cm³, Cs-137: approx. 2E-5Bq/cm³

Particulate: I-131: approx. 3E-6Bq/cm³, Cs-134: approx. 8E-6Bq/cm³, Cs-137: approx. 9E-6Bq/cm³

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS <5/5>

(Data summarized on May 24)

Place of Sampling	Process Main Building Opening (Decontamination Equipment Room)		Exhaust Facility of Granular Solid Strage (Outlet)		Exhaust Facility of Granular Solid Strage (Outlet)		Density Limit Specified by the Reactor Regulation (Bq/cm ³) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Time of Sampling	May 21, 2012 2:31 PM ~ 3:31 PM		May 21, 2012 2:30 PM ~ 2:40 PM		May 22, 2012 11:14 AM ~ 11:24分		
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 (approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (approx. 2 years)	1.6E-04	0.08	8.7E-05	0.04	2.9E-05	0.01	2E-03
Cs-137 (approx. 30 years)	2.4E-04	0.08	1.3E-04	0.04	4.0E-05	0.01	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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Data of other nuclides are under examination.

* In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

* "ND" indicates that the measurement result is below the detection limit.

The followings show the detection limits.

Volatile: I-131: approx. 5E-6Bq/cm³, Cs-134: approx. 1E-5Bq/cm³

Particulate: I-131: approx. 5E-6Bq/cm³, Cs-134: approx. 5E-6Bq/cm³, Cs-137: approx. 6E-6Bq/cm³

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.