

Reference

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

(Data summarized on August 22)

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	Aug 19, 2012 10:33 AM - 11:33 AM		Aug 19, 2012 10:33 AM - 11:33 AM		Aug 19, 2012 10:23 AM - 11:23 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	-	9.5E-06	0.00	ND	-	3E-03

* The radioactivity density is the sum of the volatile nuclides density and the particulate nuclides density.

O.OE - O is the same as O.O x 10⁻⁰

Data of other nuclides is under examination.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

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

The detection limits are as follows.

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

Particulate: I-131: Approx. 3E-6Bq/cm³, Cs-134: Approx. 7E-6Bq/cm³, Cs-137: Approx. 8E-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 Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS < 2/5 >

(Data summarized on August 22)

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	Aug 19, 2012 10:23 AM - 11:23 AM		Aug 19, 2012 8:38 AM - 9:38 AM		Aug 19, 2012 8:38 AM - 9:38 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	-	
Cs-134 (Approx. 2 years)	ND	-	1.0E-05	0.01	ND	-	2E-03
Cs-137 (Approx. 30 years)	8.3E-06	0.00	1.5E-05	0.01	ND	-	3E-03

* The radioactivity density is the sum of the volatile nuclides density and the particulate nuclides density.

O.OE - O is the same as $O.O \times 10^{-O}$

Data of other nuclides is under examination.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

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

The detection limits are as follows.

Volatile: I-131: Approx. $5E-6Bq/cm^3$, Cs-134: Approx. $1E-5Bq/cm^3$, Cs-137: Approx. $1E-5Bq/cm^3$

Particulate: I-131: Approx. $3E-6Bq/cm^3$, Cs-134: Approx. $7E-6Bq/cm^3$, Cs-137: Approx. $8E-6Bq/cm^3$

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

(Data summarized on August 22)

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		Time of Sampling		Time of Sampling		
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)	8.5E-06	0.00	ND	-	ND	-	3E-03

* The radioactivity density is the sum of the volatile nuclides density and the particulate nuclides density.

O.OE - O is the same as O.O x 10⁻⁰

Data of other nuclides is under examination.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

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

The detection limits are as follows.

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

Particulate: I-131: Approx. 3E-6Bq/cm³, Cs-134: Approx. 7E-6Bq/cm³, Cs-137: Approx. 8E-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 Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS < 4/5 >

(Data summarized on August 22)

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	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	
	Aug 19, 2012 12:21 PM - 1:21 PM			Aug 19, 2012 12:11 PM - 1:11 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	-	8.2E-06	0.00	ND	-	2E-03
Cs-137 (Approx. 30 years)	ND	-	8.3E-06	0.00	8.4E-06	0.00	3E-03

* The radioactivity density is the sum of the volatile nuclides density and the particulate nuclides density.

O.OE - O is the same as O.O x 10⁻⁰

Data of other nuclides is under examination.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

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

The detection limits are as follows.

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

Particulate: I-131: Approx. 3E-6Bq/cm³, Cs-134: Approx. 7E-6Bq/cm³, Cs-137: Approx. 8E-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 Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS < 5/5 >

(Data summarized on August 22)

Place of Sampling	Process Main Building Opening (Decontamination Equipment Room)		Exhaust Facility of Granular Solid Storage (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		Time of Sampling				
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	-		
Cs-134 (Approx. 2 years)	ND	-	ND	-			2E-03
Cs-137 (Approx. 30 years)	1.1E-05	0.00	ND	-			3E-03

* The radioactivity density is the sum of the volatile nuclides density and the particulate nuclides density.

O.OE - O is the same as O.O x 10⁻⁰

Data of other nuclides is under examination.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

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

The detection limits are as follows.

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

Particulate: I-131: Approx. 3E-6Bq/cm³, Cs-134: Approx. 7E-6Bq/cm³, Cs-137: Approx. 4E-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.