

Nuclides Analysis Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS

(Data summarized on November 21)

Place of Sampling	Exhaust Facility of Granular Solid Strage (Outlet)				Process Main Building Opening (Decontamination Equipment Room)		② 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)
	Oct 22, 2014 10:34 AM - 10:44 AM		Nov 10, 2014 10:57 AM - 11:07 AM		Nov 10, 2014 10:45 AM - 11:45 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm ³)	Scaling Factor (①/②)	①Density of Sample (Bq/cm ³)	Scaling Factor (①/②)	①Density of Sample (Bq/cm ³)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	ND	-	ND	-	5.5E-06	0.00	2E-03
Cs-137 (Approx. 30 years)	ND	-	ND	-	1.2E-05	0.00	3E-03

O.OE—O is the same as O.O x 10⁰

Data of other nuclides is under examination.

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

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

The detection limit values are as follows:

Volatile, I-131: Approx. 3E-6Bq/cm³, Cs-134: Approx. 6E-6Bq/cm³, Cs-137: Approx. 1E-5Bq/cm³

Particulate, I-131: Approx. 2E-6Bq/cm³, Cs-134: Approx. 3E-6Bq/cm³, Cs-137: Approx. 4E-6Bq/cm³

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

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(Data summarized on November 21)

Place of Sampling	Unit 3 wast disposal buidling (Open part of west side)						② 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	Nov 5, 2014 10:20 AM - 11:20 AM					
Detected Nuclides (Half- life)	①Density of Sample (Bq/cm ³)	Scaling Factor (①/②)	①Density of Sample (Bq/cm ³)	Scaling Factor (①/②)	①Density of Sample (Bq/cm ³)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-					1E-03
Cs-134 (Approx. 2 years)	ND	-					2E-03
Cs-137 (Approx. 30 years)	ND	-					3E-03

O.OE—O is the same as O.O x 10⁰

Data of other nuclides is under examination.

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

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

The detection limit values are as follows:

Volatile, I-131: Approx. 4E-6Bq/cm³, Cs-134: Approx. 8E-6Bq/cm³, Cs-137: Approx. 1E-5Bq/cm³

Particulate, I-131: Approx. 2E-6Bq, Cs-134: Approx. 4E-6Bq/cm³, Cs-137: Approx. 7E-6Bq/cm³

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