

Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Unit 4 Reactor Building in Fukushima Daiichi Nuclear Power Station <1/2 >

Reference

(Data summarized on June 20)

Place of Sampling	Unit 4 reactor building (Exit of exhaust gas filtering) (Particulate Filter)		Unit 4 reactor building (Exit of exhaust gas filtering) (Charcoal Filter)		Unit 4 reactor building (Near SFP) (Particulate Filter)		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	June 06, 2014 10:31 AM -11:31 AM		June 06, 2014 10:31 AM -11:31 AM		June 06, 2014 10:52 AM -11:52 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

* 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. 3E-7Bq/cm³, Cs-134: Approx.6E-7Bq/cm³, Cs-137: Approx.9E-7Bq/cm³

Particulate: I-131: Approx. 2E-7Bq/cm³, Cs-134: Approx.4E-7Bq/cm³, Cs-137: Approx.5E-7Bq/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.

Nuclide Analysis Results of Radioactive Materilas in the Air at the Upper Part of the Unit 4 Reactor Building
in Fukushima Daiichi Nuclear Power Station <2/2 >

Reference

(Data summarized on June 20)

Place of Sampling	Unit 4 reactor building (Near SFP) (Charcoal Filter)	Unit 4 reactor building (Near Chenging) (Particulate Filter)	Unit 4 reactor building (Opening of exhaust gas filtering) (Particulate Filter)	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	June 06, 2014 10:52 AM -11:52 AM	June 06, 2014 6:35 AM -7:35 AM	June 06, 2014 7:36 AM -8:36 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

* O.OE - O is the same as O.O x 10⁻⁰

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

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Volatile: I-131: Approx. 3E-7Bq/cm³, Cs-134: Approx.6E-7Bq/cm³, Cs-137: Approx.9E-7Bq/cm³

Particulate: I-131: Approx. 4E-7Bq/cm³, Cs-134: Approx.6E-7Bq/cm³, Cs-137: Approx.9E-7Bq/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.