

Nuclide Analysis Result of Radioactive Materials in the Air at the Upper Part of the Unit 4 Reactor Building
of Fukushima Daiichi NPS

Reference

(Data summarized on May 26)

Place of Sampling	Unit 4 Reactor Building ① (Exit of exhaust gas filtering) (Particulate Filter)		Unit 4 Reactor Building ② (Exit of exhaust gas filtering) (Charcoal Filter)		Unit 4 Reactor Building ③ (Near SFP) (Particulate Filter)		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)
	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)	
Time of Sampling	May 15, 2014 10: 46 AM -11: 47 AM		May 15, 2014 10: 46 AM -11: 47 AM		May 15, 2014 11: 07 AM -12: 07 PM		
Detected Nuclides (Half- life)							
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-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. 4E-7Bq/cm³, Cs-134: Approx.6E-7Bq/cm³, Cs-137: Approx.1E-6Bq/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 Result of Radioactive Materials in the Air at the Upper Part of the Unit 4 Reactor Building
of Fukushima Daiichi NPS <2/2>

Reference

(Data summarized on May 26)

Place of Sampling	Unit 4 Reactor Building ④ (Near SFP) (Charcoal Filter)	Unit 4 Reactor Building ⑤ (Near Chenging) (Particulate Filter)	Unit 4 Reactor Building ⑥ (Opening of Inlet Filter) (Particulate Filter)	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	May 15, 2014 11:07 AM - 12:07 PM	May 15, 2014 8:10 AM - 9:10 AM	May 15, 2014 9:11 AM - 10:11 AM				
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm ³)	Scaling Factor (①/②)	①Density of Sample (Bq/cm ³)				
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 10⁰

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.1E-6Bq/cm³

Particulate: I-131: Approx. 3E-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.