

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

Reference

(Data summarized on April 23)

Place of Sampling	Unit 4 Reactor Building ① (Exit of Exhaust Gas Filter) (Particulate Filter)		Unit 4 Reactor Building ② (Exit of Exhaust Gas Filter) (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	April 14, 2014 9:58 AM -10:58 AM		April 14, 2014 9:58 AM -10:58 AM		April 14, 2014 10:21 AM -11:21 AM		
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 10⁻⁰

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.7E-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 the Radioactive Materials in the Air at Upper Part of Unit 4 Reactor Building
in Fukushima Daiichi Nuclear Power Station <2/2>

Reference

(Data summarized on April 23)

Place of Sampling	Unit 4 Reactor Building ④ (Near SFP) (Charcoal Filter)		Unit 4 Reactor Building ⑤ (Near Chening) (Particulate Filter)		Unit 4 Reactor Building ⑥ (Opening of Exhaust Gas 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	April 14,2014 10:21 AM - 11:21 AM		April 14,2014 6:40 AM - 7:40 AM		April 14,2014 7:41 AM - 8:41 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	-	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. 4E-7Bq/cm³, Cs-134: Approx.7E-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.