

Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of Unit 4 Reactor Building < 1/2 >

(Data summarized on January 29)

Place of Sampling	Unit 4 Reactor Building ① (The exit of exhaust system filter) (Particulate Filter)		Unit 4 Reactor Building ② (The exit of exhaust system 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)
	Time of Sampling	Jan 17, 2014 10:28 AM - 11:28 AM	Jan 17, 2014 10:28 AM - 11:28 AM	Jan 17, 2014 10:55 AM - 11:55 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 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. 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. 6E-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.

Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of Unit 4 Reactor Building < 2/2 >

(Data summarized on January 29)

Place of Sampling	Unit 4 Reactor Building ④ (Near SFP) (Charcoal Filter)		Unit 4 Reactor Building ⑤ (Near Changing) (Particulate Filter)		Unit 4 Reactor Building ⑥ (The entrance of exhaust system 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	Jan 17, 2014 10:55 AM - 11:55 AM	Jan 17, 2014 6:40 AM - 7:40 AM	Jan 17, 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. 3E-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.