

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

(Data summarized on November 21)

Place of Sampling	Reactor Building of Unit 4① (outlet of exhaust gas filtering) (Particulate Filter)		Reactor Building of Unit 4② (outlet of exhaust gas filtering) (Charcoal Filter)		Reactor Building of Unit 4③ (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		Time of Sampling		Time of Sampling		
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	-	ND	
Cs-134 (Approx. 2 years)	ND -	ND	- ND	-	ND	-	2E-03
Cs-137 (Approx. 30 years)	ND -	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 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-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 value may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit value are detected.

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

Reference

(Data summarized on November 21)

Place of Sampling	Reactor Building of Unit 4④ (Near SFP) (Charcoal Filter)		Reactor Building of Unit 4⑤ (Near Changing) (Particulate Filter)		Reactor Building of Unit 4⑥ (inlet of exhaust gas filtering) (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	Nov 7, 2014 10:39 AM - 11:39 AM		Nov 7, 2014 5:42 AM - 6:42 AM		Nov 7, 2014 6:43 AM - 7:43 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

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