

Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of Unit 1 Reactor Building <1/3>

Reference

(Data summarized on May 26)

Place of Sampling	Upper Part of Unit 1 Reactor Building ① (The Entrance of Cover Exhaust System Filter) (Particulate Filter)		Upper Part of Unit 1 Reactor Building ② (Northwest of cover) (Particulate Filter)		Upper Part of Unit 1 Reactor Building ③ (Northeast of cover) (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 02, 2014 7:40 AM - 8:40 AM	May 02, 2014 5:38 AM - 6:38 AM	May 02, 2014 4:37 AM - 5:37 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	-
Cs-134 (Approx. 2 years)	ND	-	ND	-	1.1E-06	0.00	2E-03
Cs-137 (Approx. 30 years)	ND	-	ND	-	3.1E-06	0.00	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. Particulate: I-131: Approx. 5E-7Bq/cm³, Cs-134: Approx.9E-7Bq/cm³, Cs-137: Approx.1E-6Bq/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 1 Reactor Building <2/3>

Reference

(Data summarized on May 26)

Place of Sampling	Upper Part of Unit 1 Reactor Building ④ (Southwest of cover) (Particulate Filter)		Upper Part of the Reactor Building in Unit 1 ⑤ (Reactor Building operation floor opening) (Particulate Filter)		Upper Part of the Reactor Building in Unit 1 ⑥ (ceiling of spent fuel pool) (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 02, 2014 6:39 AM - 7:39 AM	May 02, 2014 3:35 AM - 4:35 AM	May 02, 2014 8:42 AM - 9:42 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)	3.9E-06	0.00	1.6E-06	0.00	1.5E-06	0.00	2E-03
Cs-137 (Approx. 30 years)	1.1E-05	0.00	4.1E-06	0.00	4.2E-06	0.00	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. Particulate: I-131: Approx. 7E-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.

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 1 Reactor Building <3/3> Reference

(Data summarized on May 26)

Place of Sampling	Upper Part of the Reactor Building in Unit 1 ⑦ (ceiling of spent fuel pool) (Charcoal 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)
	① Density of Sample (Bq/cm ³)	Scaling Factor (①/②)	① Density of Sample (Bq/cm ³)	Scaling Factor (①/②)	① Density of Sample (Bq/cm ³)	Scaling Factor (①/②)	
Time of Sampling	May 02, 2014 11:39 AM -11:49 AM						
Detected Nuclides (Half-life)							
I-131 (Approx. 8 days)	ND	-					1E-03
Cs-134 (Approx. 2 years)	ND	-					2E-03
Cs-137 (Approx. 30 years)	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-6Bq/cm³, Cs-134: Approx.7E-6Bq/cm³, Cs-137: Approx.1E-5Bq/cm³
 limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.
 analysis results of particulate radioactive materials in the air.

As the detection
 This shows the nuclides