

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

(Data summarized on September 25)

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 <sup>3</sup> ) (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 <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	
	I-131 (Approx. 8 days)	ND	-	ND	-	ND	
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<sup>-0</sup>

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/cm<sup>3</sup>, Cs-134: Approx. 6E-7Bq/cm<sup>3</sup>, Cs-137: Approx. 1E-6Bq/cm<sup>3</sup>

Particulate, I-131: Approx. 2E-7Bq/cm<sup>3</sup>, Cs-134: Approx. 4E-7Bq/cm<sup>3</sup>, Cs-137: Approx. 5E-7Bq/cm<sup>3</sup>

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.

(Data summarized on September 25)

Place of Sampling	Reactor Building of Unit 4④ (Near SFP) (Charcoal Filter)		Reactor Building of Unit 4⑤ (Near Chenging) (Particulate Filter)		Reactor Building of Unit 4⑥ (inlet of exhaust gas filtering) (Particulate Filter)		② Density Limit Specified by the Reactor Regulation (Bq/cm <sup>3</sup> ) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Time of Sampling	Sep 1, 2014 10:35 AM - 11:35 AM		Sep 1, 2014 5:57 AM - 6:57 AM		Sep 1, 2014 6:59 AM - 7:59 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	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<sup>-O</sup>

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. 4E-7Bq/cm<sup>3</sup>, Cs-134: Approx. 6E-7Bq/cm<sup>3</sup>, Cs-137: Approx. 1E-6Bq/cm<sup>3</sup>

Particulate, I-131: Approx. 3E-7Bq/cm<sup>3</sup>, Cs-134: Approx. 6E-7Bq/cm<sup>3</sup>, Cs-137: Approx. 9E-7Bq/cm<sup>3</sup>

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.