

## Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of Unit 4 Reactor Building &lt;1/2&gt;

Reference

(Data summarized on October 24)

Place of Sampling	Unit 4 Reactor Building Opening ① (Exit of Filter of Exhaust Vent) (Particulate Filter)		Unit 4 Reactor Building Opening ② (Exit of Filter of Exhaust Vent) (Charcoal Filter)		Unit 4 Reactor Building Opening ③ (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	Oct 8, 2014 11:11 AM - 12:11 PM	Oct 8, 2014 11:11 AM - 12:11 PM	Oct 8, 2014 11:31 AM - 12:31 PM	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.

The detection limits 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.6E-7Bq/cm<sup>3</sup> 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 &lt;2/2&gt;

Reference

(Data summarized on October 24)

Place of Sampling	Unit 4 Reactor Building Opening ④ (Near SFP) (Charcoal Filter)		Unit 4 Reactor Building Opening ⑤ (Near Chenging) (Particulate Filter)		Unit 4 Reactor Building Opening ⑥ (Inlet of Filter of Exhaust Vent) (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	Oct 8, 2014 11:31 AM - 12:31PM		Oct 8, 2014 7:47 AM - 8:47 AM		Oct 8, 2014 8:48 AM - 9:48 PM		
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>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.

The detection limit values are as follows:

Inlet of exhaust gas filtering,

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>

The detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.