

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

(Data summarized on November 21)

Place of Sampling	Upper Part of Unit 3 Reactor Building ① (Southwest side)		Upper Part of Unit 3 Reactor Building ② (southwest side)		Upper Part of Unit 3 Reactor Building ③ (hatch opening)		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	Nov 5, 2014 10:25 AM - 10:55 AM	Nov 5, 2014 11:10 AM - 11:40 AM	Nov 5, 2014 12:15 PM - 12:45 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	-	2.9E-06	0.00	ND	-	2E-03
Cs-137 (Approx. 30 years)	ND	-	1.1E-05	0.00	ND	-	3E-03

\* The radioactivity density is the sum of the volatile nuclides density and the particulate nuclides density.

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. 1E-6Bq/cm<sup>3</sup>, Cs-134: Approx. 2E-6Bq/cm<sup>3</sup>, Cs-137: Approx. 3E-6Bq/cm<sup>3</sup>

Particulate, I-131: Approx. 8E-7Bq/cm<sup>3</sup>, Cs-134: Approx. 1E-6Bq/cm<sup>3</sup>, Cs-137: Approx. 2E-6Bq/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.