

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

(Data summarized on September 25)

Place of Sampling	Ventilation facility of Unit 2 Reactor Building (inlet of exhaust gas filtering)		Ventilation facility of Unit 2 Reactor Building (outlet of exhaust gas filtering)		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		
	Sep 5, 2014 12:10 PM - 2:05 PM		Sep 5, 2014 11:53 AM - 1:53 PM		
Detected Nuclides (Half-life)	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	-	1E-03
Cs-134 (Approx. 2 years)	2.5E-07	0.00	ND	-	2E-03
Cs-137 (Approx. 30 years)	8.2E-07	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 $O.O \times 10^0$

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.

The detection limit values are as follows:

Inlet of exhaust gas filtering,

Volatile, I-131: Approx. $2E-7Bq/cm^3$, Cs-134: Approx. $4E-7Bq/cm^3$, Cs-137: Approx. $6E-7Bq/cm^3$

Particulate, I-131: Approx. $1E-7Bq/cm^3$

Outlet of exhaust gas filtering,

Volatile, I-131: Approx. $2E-7Bq/cm^3$, Cs-134: Approx. $4E-7Bq/cm^3$, Cs-137: Approx. $6E-7Bq/cm^3$

Particulate, I-131: Approx. $1E-7Bq/cm^3$, Cs-134: Approx. $2E-7Bq/cm^3$, Cs-137: Approx. $3E-7Bq/cm^3$