

Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at the Exhaust System of the Unit 2 Reactor Building

(Data summarized on September 30)

Place of Sampling	The Exhaust System of the Unit 2 Reactor Building (The entrance of cover exhaust system filter)		The Exhaust System of the Unit 2 Reactor Building (The exit of cover exhaust system filter)		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	Sep 12, 2013 11:04 AM - 1:03 PM		Sep 12, 2013 11:01 AM - 1:01 PM		
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	
I-131 (Approx. 8 days)	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	3.6E-07	0.00	ND	-	2E-03
Cs-137 (Approx. 30 years)	8.9E-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 x 10⁰

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 of the exhaust system at the Unit 2 Reactor Building (the entrance of cover exhaust system filter) are as follows.

Volatile; I-131: Approx. 2E-7Bq/cm³, Cs-134: Approx. 4E-7Bq/cm³, Cs-137: Approx. 6E-7Bq/cm³

Particulate; I-131: Approx. 1E-7Bq/cm³

The detection limits of the exhaust system at the Unit 2 Reactor Building (the exit of cover exhaust system filter) are as follows.

Volatile; I-131: Approx. 2E-7Bq/cm³, Cs-134: Approx. 4E-7Bq/cm³, Cs-137: Approx. 6E-7Bq/cm³

Particulate; I-131: Approx. 1E-7Bq/cm³, Cs-134: Approx. 2E-7Bq/cm³, Cs-137: Approx. 3E-7Bq/cm³