

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

Reference

(Data summarized on October 24)

Place of Sampling	Unit 2 Reactor Building Exhaust Facility (Inlet of Filter of Exhaust Vent)		Unit 2 Reactor Building Exhaust Facility (Exit of Filter of Exhaust Vent)		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	Oct 20, 2014 1:00 PM - 3:01 PM		Oct 20, 2014 12:41 PM - 2:41 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)	3.4E-07	0.00	ND	-	2E-03
Cs-137 (Approx. 30 years)	9.5E-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 2 nuclides or more, the sum of scaling factors to density limits is compared to 1.

The detection limit values are as follows:

Inlet of exhaust gas filtering,

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

Outlet of exhaust gas filtering,

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