

Analysis results of radioactive material nuclide in the air at Ventilation facility of Unit 2 reactor building in Fukushima Daiichi Nuclear Power Station

Reference

(Data summarized on June 20)

Place of Sampling	Ventilation facility of Unit 2 reactor building (Opening of exhaust gas filtering)		Ventilation facility of Unit 2 reactor building (Exit of exhaust gas filtering)		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	June 10, 2014 12:30 PM - 14:30 PM		June 10, 2014 12:15 PM - 14:15 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)	1.3E-06	0.00	ND	-	2E-03
Cs-137 (Approx. 30 years)	3.5E-06	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 at Unit 2 reactor building (opening of exhaust gas filtering) 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. 2E-7Bq/cm³ The detection limits at Unit 2 reactor (exit of exhaust gas filtering)building 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