

Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of Unit 1 Reactor Building

Reference

(Data summarized on August 5)

Place of Sampling	Unit 1 Reactor building, Top part of reactor-well, south side (Particulate Filter)		Unit 1 Reactor building, Top part of reactor-well, south side (Charcoal Filter)		Unit 1 Reactor building, Dvice hatch operation floor (Particulate Filter)		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)
	①Density of Sample (Bq/cm ³)	Scaling Factor (①/②)	①Density of Sample (Bq/cm ³)	Scaling Factor (①/②)	①Density of Sample (Bq/cm ³)	Scaling Factor (①/②)	
Time of Sampling	July 30, 2015 12:35 -13:05		July 30, 2015 12:35 -13:05		July 30, 2015 12:35 -13:05		
Detected Nuclides (Half-life)							
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	1.8E-06	0.00	ND	-	ND	-	2E-03
Cs-137 (Approx. 30 years)	4.8E-06	0.00	ND	-	ND	-	3E-03

*0.0E-0 is the same as 0.0 x 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 limits are as follows.

Volatile I-131: Approx. 7E7Bq/cm³, Cs-134: Approx. 2E-6Bq/cm³, Cs-137: Approx. 3E-6Bq/cm³

Particulate: I-13: Approx. 5E/7Bq/cm³, Cs-134: Approx. 7E-7Bq/cm³, Cs-137: Approx. 1E-6Bq/cm³

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.