

Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of Unit 3 Reactor Building <1/1>

(Data summarized on January 29)

Place of Sampling	Upper Part of Unit 3 Reactor Building ① (Above the Reactor Southwest Side))		Upper Part of Unit 4 Reactor Building ② (Above the Reactor Southwest Side))		Upper Part of Unit 3 Reactor Building ③ (Around the Machine Hatch Opening on the 3rd Floor)		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	Jan 10, 2014 9:50 AM - 10:20 AM		Jan 10, 2014 12:00 PM - 12:30 PM		Jan 10, 2014 1:00 PM - 1:30 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)	①Density of Sample (Bq/cm ³)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	6.2E-06	0.00	4.8E-05	0.02	ND	-	2E-03
Cs-137 (Approx. 30 years)	2.2E-05	0.01	1.1E-04	0.04	6.6E-06	0.00	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 are as follows.

Volatile; I-131: Approx. 1E-6Bq/cm³, Cs-134: Approx. 2E-6Bq/cm³, Cs-137: Approx. 3E-6Bq/cm³

Particulate; I-131: Approx. 2E-6Bq/cm³, Cs-134: Approx. 1E-6Bq/cm³, Cs-137: Approx. 2E-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.