

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

Reference

(Data summarized on June 20)

Place of Sampling	Upper Part of Unit 3 Reactor Building (Southwest side of reactor)		Upper Part of Unit 3 Reactor Building (Southwest side of reactor)		Upper Part of Unit 3 Reactor Building (Opening of Equipment Hatch)		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 09, 2014 10:15 AM - 10:45 AM	June 09, 2014 11:00 AM - 11:30 AM	June 09, 2014 12:10 PM - 12:40 PM			
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	ND	-	2.3E-06	0.00	ND	-	2E-03
Cs-137 (Approx. 30 years)	ND	-	4.0E-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 10⁻⁰

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. 9E-7Bq/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.