

Reference

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

(Data summarized on August 30)

Place of Sampling	Upper Part of Unit 3 Reactor Building (Above the Reactor (West Side)(Downward direction))		Upper Part of Unit 3 Reactor Building (Above the Reactor (West Side)(Cross direction))		/		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		Time of Sampling		/		
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	-	/		1E-03
Cs-134 (Approx. 2 years)	5.5E-03	2.75	8.1E-03	4.05	/		2E-03
Cs-137 (Approx. 30 years)	1.2E-02	4.00	1.7E-02	5.67	/		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^{-O}

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. 7E-6Bq/cm³, Cs-134: Approx. 1E-5Bq/cm³, Cs-137: Approx. 2E-5Bq/cm³

Particulate; I-131: Approx. 3E-5Bq/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.