

Nuclides Analysis Result of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS

Reference

(Data summarized on December 19)

Place of Sampling	Process Main Building Opening (Decontamination Equipment Room)		Exhaust Facility of Granular Solid Strage (Outlet)		Unit 3 Waste Treatment Building (West Side Opening)		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	Dec 2, 2014 10:43AM-11:43AM		Dec 2, 2014 10:55AM-11:05AM		Dec 10, 2014 9:47AM-10:47AM		
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)	1.2E-05	0.01	ND	-	ND	-	2E-03
Cs-137 (Approx. 30 years)	3.9E-05	0.01	ND	-	ND	-	3E-03

* O.OE—O is the same as O.O x 10-O

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. 4E-6Bq/cm³, Cs-134: Approx.7E-6Bq/cm³, Cs-137: Approx.1E-5Bq/cm³
 Particulate: I-131: Approx. 2E-6Bq/cm³, Cs-134: Approx.4E-6Bq/cm³, Cs-137: Approx.6E-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.