

Reference

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

(Data summarized on January 29)

Place of Sampling	Unit 3 Waste Treatment Building (West Side Opening)		Process Main Building Opening (Decontamination Equipment Room)		Exhaust Facility of Granular Solid Strage (Outlet)		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 9, 2014 9:25 AM - 10:25 AM		Jan 9, 2014 10:36 AM - 11:36 AM		Jan 9, 2014 10:46 AM - 10:56 AM		
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)	ND	-	2.1E-04	0.11	ND	-	2E-03
Cs-137 (Approx. 30 years)	ND	-	5.3E-04	0.18	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^{-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. 4E-6Bq/cm³, Cs-134: Approx. 7E-6Bq/cm³, Cs-137: Approx. 1E-5Bq/cm³

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