

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

(Data summarized on October 11)

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	Oct 3, 2013 9:05 AM - 10:05 AM	Oct 4, 2013 1:18 PM - 2:18 PM	Oct 4, 2013 1:28 PM - 1:38 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)	ND	-	5.5E-06	0.00	ND	-	2E-03
Cs-137 (Approx. 30 years)	ND	-	1.1E-05	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^{-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. 8E-6Bq/cm³, Cs-137: Approx: 1E-5Bq/cm³

Particulate; I-131: Approx. 3E-6Bq/cm³, Cs-134: Approx. 6E-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.