

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

(Data summarized on September 25)

Place of Sampling	Exhaust Facility of Granular Solid Strage (Outlet)				Process Main Building Opening (Decontamination Equipment Room)		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)
	Aug 22, 2014 11:04 AM - 11:14 AM		Sep 10, 2014 11:16 AM - 11:26 AM		Sep 10, 2014 11:07 AM - 12:07 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	-	ND	-	ND	-	2E-03
Cs-137 (Approx. 30 years)	ND	-	ND	-	ND	-	3E-03

O.OE—O is the same as O.O x 10⁰

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 value.

The detection limit values 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 value may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit value are detected.