

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

Reference

(Data summarized on October 24)

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 <sup>3</sup> ) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Time of Sampling	Oct 1, 2014 9:50 AM – 10:50 AM		Oct 2, 2014 10:41 AM - 11:41 AM		Oct 2, 2014 10:52 AM - 11:02 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	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 10<sup>0</sup>

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/cm<sup>3</sup>, Cs-134: Approx.7E-6Bq/cm<sup>3</sup>, Cs-137: Approx.1E-5Bq/cm<sup>3</sup> Particulate: I-131: Approx. 2E-6Bq/cm<sup>3</sup>, Cs-134: Approx.4E-6Bq/cm<sup>3</sup>, Cs-137: Approx.6E-6Bq/cm<sup>3</sup> As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.