< Reference >
May 26, 2014
Tokyo Electric Power Company

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

Reference

(Data summarized on May 26)

Place of Sampling	Process Main Building Opening (Decontamination Equipment Room)		Exhaust Facility of Granular Solid Strage (Outlet)		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	May 08, 2014 10:40 AM -11:40 AM		May 08, 2014 11:00 AM -11:10 AM		May 16, 2014 9:31 AM -9:41 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	-	ND	-	ND	-	2E-03
Cs-137 (Approx. 30 years)	7.8E-06	0.00	4.8E-06	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/cm^3, Cs-134: Approx.8E-6Bq/cm^3, Cs-137: Approx.1E-5Bq/cm^3 Particulate: I-131: Approx. 2E-6Bq/cm^3, Cs-134: Approx.5E-6Bq/cm^3, Cs-137: Approx.4E-6Bq/cm^3 As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.