< Reference >
March 19, 2014
Tokyo Electric Power Company

Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of Unit 3 Reactor Building<1/1>

Reference

(Data summarized on March 19)

Place of Sampling	Upper Part of Unit 3 Reactor Building ① （Upper Southwest Side of Reactor)		Upper Part of Unit 3 Reactor Building ② （Upper Southwest Side of Reactor）		Upper Part of Unit 3 Reactor Building ③ （Opening of Euipment Hatch）		② Density Limit Specified by the Reactor Regulation (Bq/cm3) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
Time of Sampling	March 3, 2014 9:35 AM - 10:05 AM		March 3, 2014 10:25 AM - 10:55 AM		March 3, 2014 11:30 AM - 12:00 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)	3.0E-06	0.00	3.3E-05	0.02	5.4E-05	0.03	2E-03
Cs-137 (Approx. 30 years)	9.1E-06	0.00	7.6E-05	0.03	1.4E-04	0.05	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. 2E-6Bq/cm3, Cs-134: Approx.2E-6Bq/cm3, Cs-137: Approx.3E-6Bq/cm3
Particulate: I-131: Approx. 2E-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.