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April 23, 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 April 23)

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	April 15, 2014 9:20 AM - 9:50 AM		April 15, 2014 10:10 AM - 10:40 AM		April 15, 2014 11:20 AM - 11:50 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	-	1.2E-05	0.01	ND	-	2E-03
Cs-137 (Approx. 30 years)	1.9E-06	0.00	3.3E-05	0.01	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. 1E-6Bq/cm3, Cs-134: Approx.2E-6Bq/cm3, Cs-137: Approx.3E-6Bq/cm3

Particulate: I-131: Approx. 2E-6Bq/cm3, Cs-134: Approx.1E-6Bq/cm3, Cs-137: 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.