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June 12, 2013
Tokyo Electric Power Company

Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at the Exhaust System of the Unit 2 Reactor Building

(Data summarized on June 12)

Place of Sampling	The Exhaust System of the Unit 2 Reactor Building (The entrance of cover exhaust system filter)		The Exhaust System of the Unit 2 Reactor Building (The exit of cover exhaust system filter)		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	Jun 4, 2013 11:17 AM - 1:17 PM		Jun 4, 2013 10:21 AM - 12:21 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)	
I-131 (Approx. 8 days)	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	3.3E-07	0.00	ND	-	2E-03
Cs-137 (Approx. 30 years)	1.4E-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 of the exhaust system at the Unit 2 Reactor Building (the entrance of cover exhaust system filter) are as follows.

Volatile; I-131: Approx. 2E-7Bq/cm^3, Cs-134: Approx. 4E-7Bq/cm^3

Particulate; I-131: Approx. 1E-7Bq/cm^3

The detection limits of the exhaust system at the Unit 2 Reactor Building (the exit of cover exhaust system filter) are as follows.

Volatile; I-131: Approx. 2E-7Bq/cm^3, Cs-134: Approx. 5E-7Bq/cm^3, Cs-137: Approx. 6E-7Bq/cm^3

Particulate; I-131: Approx. 1E-7Bq/cm^3, Cs-134: Approx. 3E-7Bq/cm^3, Cs-137: Approx. 4E-7Bq/cm^3