Tokyo Electric Power Company

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

Reference

(Data summarized on October 24)

Place of Sampling	Upper Part of Unit 3 Reactor Building ① (Southwest Side of the Upper Part of the Reactor		Upper Part of Unit 3 Reactor Building ② (Southwest Side of the Upper Part of the Reactor		Upper Part of Unit 3 Reactor Building ③ (Around the Machine Hatch Opening)		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	Oct 1, 2014 9:45 AM - 10:15 AM		Oct 1, 2014 10:30 AM - 11:00 AM		Oct 1, 2014 11:35 AM - 12:05 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)	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)	ND	-	2.5E-06	0.00	3.3E-06	0.00	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 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. 1E-6Bq/cm^3, Cs-134: Approx.2E-6Bq/cm^3, Cs-137: Approx.3E-6Bq/cm^3 Particulate: I-131: Approx. 7E-7Bq/cm^3, Cs-134: Approx.1E-6Bq/cm^3, Cs-137: Approx.2E-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.