< Reference >
November 9, 2012
Tokyo Electric Power Company

Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of Unit 2 Reactor Building < 1/2 >

(Data summarized on November 9)

Place of Sampling	Upper Part of Unit 2 Reactor Building ① (Center of the blow-out panel, west side upper)		Upper Part of Unit 2 Reactor Building ② (Center of the blow-out panel, west side lower)		Upper Part of Unit 2 Reactor Building ③ (Center of the blow-out panel, west side upper)		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	Nov 7, 2012 9:05 AM - 11:05 AM		Nov 7, 2012 9:05 AM - 11:05 AM		Nov 7, 2012 11:27 AM - 1:27 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	-	ND	-	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. 2E-6Bq/cm3, Cs-134: Approx.5E-6Bq/cm3, Cs-137: Approx.6E-6Bq/cm3
Particulate: I-131: Approx. 1E-6Bq/cm3, Cs-134: Approx.3E-6Bq/cm3, Cs-137: Approx.4E-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.

Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of Unit 2 Reactor Building < 2/2 >

(Data summarized on November 9)

Place of Sampling	Upper Part of Unit 2 Reactor Building ④ (Center of the blow-out panel, west side lower)						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	Nov 7, 2012 11:27 AM - 1:27 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	-					1E-03
Cs-134 (Approx. 2 years)	ND	-					2E-03
Cs-137 (Approx. 30 years)	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. 2E-6Bq/cm3, Cs-134: Approx.5E-6Bq/cm3, Cs-137: Approx.6E-6Bq/cm3
Particulate: I-131: Approx. 1E-6Bq/cm3, Cs-134: Approx.3E-6Bq/cm3, Cs-137: Approx.4E-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.