

[Revised Version] * We have corrected the place of sampling of each points.

<Reference>
July 26, 2013
Tokyo Electric Power Company

Reference

Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of Unit 3 Reactor Building < 1/2 >

(Data summarized on July 26)

Place of Sampling	Upper Part of Unit 3 Reactor Building ① (North side of the shield plug (Downward direction))		Upper Part of Unit 3 Reactor Building ② (North side of the shield plug (Cross direction))		Upper Part of Unit 3 Reactor Building ③ (Central part of the shield plug (Downward direction))		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	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)	
I-131 (Approx. 8 days)	Jul 25, 2013 11:55 AM - 12:25 PM	ND	-	Jul 25, 2013 11:55 AM - 12:25 PM	ND	-	1E-03
Cs-134 (Approx. 2 years)	Jul 25, 2013 12:50 PM - 1:20 PM	1.7E-05	0.01	Jul 25, 2013 12:50 PM - 1:20 PM	ND	-	2E-03
Cs-137 (Approx. 30 years)		3.3E-05	0.01		1.8E-05	0.01	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 10⁰

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. 7E-6Bq/cm³, Cs-134: Approx. 2E-5Bq/cm³, Cs-137: Approx. 2E-5Bq/cm³

Particulate; I-131: Approx. 4E-6Bq/cm³, Cs-134: Approx. 8E-6Bq/cm³, Cs-137: Approx. 1E-5Bq/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.

Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of Unit 3 Reactor Building < 2/2 >

(Data summarized on July 26)

Place of Sampling	Upper Part of Unit 3 Reactor Building ④ (Central part of the shield plug (Cross direction))	Upper Part of Unit 3 Reactor Building ⑤ (West side of the equipment storage pool (Downward direction))	Upper Part of Unit 3 Reactor Building ⑥ (West side of the equipment storage pool (Cross direction))	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	Jul 25, 2013 12:50 PM - 1:20 PM	Jul 25, 2013 1:45 PM - 2:15 PM	Jul 25, 2013 1:45 PM - 2:15 PM				
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm ³)	Scaling Factor (①/②)	①Density of Sample (Bq/cm ³)				
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	8.2E-06	0.00	ND	-	ND	-	2E-03
Cs-137 (Approx. 30 years)	1.5E-05	0.01	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 $O.O \times 10^0$

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. $7E-6Bq/cm^3$, Cs-134: Approx. $2E-5Bq/cm^3$, Cs-137: Approx. $2E-5Bq/cm^3$

Particulate; I-131: Approx. $4E-6Bq/cm^3$, Cs-134: Approx. $9E-6Bq/cm^3$, Cs-137: Approx. $1E-5Bq/cm^3$

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.