

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 August 9)

Place of Sampling	Upper Part of Unit 3 Reactor Building ① (Above the Reactor (Northeast Side)(Downward direction))		Upper Part of Unit 3 Reactor Building ② (Above the Reactor (Northeast Side)(Cross direction))		Upper Part of Unit 3 Reactor Building ③ (Above the Reactor (Northeast Side)(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	Aug 2, 2012 9:04 AM - 9:34 AM	Aug 2, 2012 9:04 AM - 9:34 AM	Aug 2, 2012 10:05 AM - 10:35 AM	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	-	8.0E-05	0.04	2E-03
Cs-137 (Approx. 30 years)	1.7E-05	0.01	ND	-	1.2E-04	0.04	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. 8E-6Bq/cm³, Cs-134: Approx.2E-5Bq/cm³, Cs-137: Approx.2E-5Bq/cm³

Particulate: I-131: Approx. 6E-6Bq/cm³, Cs-134: Approx.1E-5Bq/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 August 9)

Place of Sampling	Upper Part of Unit 3 Reactor Building ④ (Above the Reactor Building (Northeast Side)(Cross direction))		Upper Part of Unit 3 Reactor Building ⑤ (Around the Machine Hatch Opening on the 3rd Floor)		Upper Part of Unit 3 Reactor Building ⑥ (Around the Machine Hatch Opening on the 3rd Floor)		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)
	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)	
Time of Sampling	Aug 2, 2012 10:05 AM - 10:35 AM		Aug 2, 2012 1:00 PM - 1:30 PM		Aug 2, 2012 1:00 PM - 1:30 PM		
Detected Nuclides (Half-life)							
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	4.7E-05	0.02	ND	-	ND	-	2E-03
Cs-137 (Approx. 30 years)	9.2E-05	0.03	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. 8E-6Bq/cm³, Cs-134: Approx.2E-5Bq/cm³, Cs-137: Approx.2E-5Bq/cm³

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