

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

(Data summarized on June 11)

Place of Sampling	Upper Part of Unit 3 Reactor Building (Above the Reactor (Northeast Side)(Downward direction))		Upper Part of Unit 3 Reactor Building (Above the Reactor (Northeast Side)(Cross direction))		Upper Part of Unit 3 Reactor Building (Above the Reactor (Northeast Side)(Downward direction))		Density Limit Specified by the Reactor Regulation (Bq/cm <sup>3</sup> ) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)	
	Time of Sampling	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample (Bq/cm <sup>3</sup> )		Scaling Factor ( / )
	Jun 7, 2012 9:00 AM - 9:30 AM			Jun 7, 2012 9:00 AM - 9:30 AM			Jun 7, 2012 9:55 AM - 10:25 AM	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )		
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03	
Cs-134 (Approx. 2 years)	3.2E-05	0.02	1.3E-05	0.01	ND	-	2E-03	
Cs-137 (Approx. 30 years)	4.4E-05	0.01	ND	-	1.9E-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 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/cm<sup>3</sup>, Cs-134: Approx.2E-5Bq/cm<sup>3</sup>, Cs-137: Approx.2E-5Bq/cm<sup>3</sup>  
Particulate: I-131: Approx. 5E-6Bq/cm<sup>3</sup>, Cs-134: Approx.1E-5Bq/cm<sup>3</sup>, Cs-137: Approx.1E-5Bq/cm<sup>3</sup> 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 June 11)

Place of Sampling	Upper Part of Unit 3 Reactor Building (Above the Reactor Building (Northeast Side)(Cross direction))		Upper Part of Unit 3 Reactor Building (Around the Machine Hatch Opening on the 3rd Floor)		Upper Part of Unit 3 Reactor Building (Around the Machine Hatch Opening on the 3rd Floor)		Density Limit Specified by the Reactor Regulation (Bq/cm <sup>3</sup> ) (Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)
	Time of Sampling	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample (Bq/cm <sup>3</sup> )	
	Jun 7, 2012 9:55 AM - 10:25 AM			Jun 7, 2012 10:50 AM - 11:20 AM			
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	1.6E-05	0.01	1.5E-05	0.01	ND	-	2E-03
Cs-137 (Approx. 30 years)	1.4E-05	0.00	1.7E-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 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/cm<sup>3</sup>, Cs-134: Approx.2E-5Bq/cm<sup>3</sup>, Cs-137: Approx.2E-5Bq/cm<sup>3</sup>  
Particulate: I-131: Approx. 5E-6Bq/cm<sup>3</sup>, Cs-134: Approx.1E-5Bq/cm<sup>3</sup> As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.