

Reference

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

(Data summarized on February 26)

Place of Sampling	Upper Part of Unit 1 Reactor Building ① (The entrance of cover exhaust system filter) (Particulate Filter)	Upper Part of Unit 1 Reactor Building ② (Northwest of cover) (Particulate Filter)	Upper Part of Unit 1 Reactor Building ③ (Northeast of cover) (Particulate Filter)	② 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	Feb 17, 2014 7:22 AM - 8:22 AM	Feb 17, 2014 5:19 AM - 6:19 AM	Feb 17, 2014 4:18 AM - 5:18 AM				
Detected Nuclides (Half-life)	① Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	① Density of Sample (Bq/cm <sup>3</sup> )				
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	-	2.6E-06	0.00	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<sup>-O</sup>

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.

Particulate; I-131: Approx. 6E-7Bq/cm<sup>3</sup>, Cs-134: Approx. 9E-7Bq/cm<sup>3</sup>, Cs-137: Approx. 1E-6Bq/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.

Reference

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

(Data summarized on February 26)

Place of Sampling	Upper Part of Unit 1 Reactor Building ④ (Southwest of cover) (Particulate Filter)	Upper Part of Unit 1 Reactor Building ⑤ (Reactor Building operation floor opening) (Particulate Filter)	Upper Part of Unit 1 Reactor Building ⑥ (Ceiling of spent fuel pool) (Particulate Filter)	② 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	Feb 17, 2014 6:20 AM - 7:20 AM	Feb 17, 2014 9:24 AM - 10:24 AM	Feb 17, 2014 8:23 AM - 9:23 AM				
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )				
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	1.1E-06	0.00	4.2E-06	0.00	2.1E-06	0.00	2E-03
Cs-137 (Approx. 30 years)	2.5E-06	0.00	1.1E-05	0.00	6.2E-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<sup>-O</sup>

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.

Particulate; I-131: Approx. 5E-7Bq/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.

Reference

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

(Data summarized on February 26)

Place of Sampling	Upper Part of Unit 1 Reactor Building ⑦ (Ceiling of spent fuel pool) (Charcoal Filter)						② 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	Feb 17, 2014 10:48 AM - 10:58 AM						
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	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<sup>-0</sup>

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. 3E-6Bq/cm<sup>3</sup>, Cs-134: Approx. 7E-6Bq/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.