

## Nuclides Analysis Result of the Radioactive Materials in the Air at the Ventilation facility of Unit 2 Reactor Building in Fukushima Daiichi Nuclear Power Station

Reference

(Data summarized on May 26)

Place of Sampling	Ventilation facility of Unit 2 Reactor Building (Opening of Exhaust gas filtering )		Ventilation facility of Unit 2 Reactor Building (Exit of Exhaust gas filtering )		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	May 8, 2014 12:33 AM - 2:33 PM		May 8, 2014 12:15 AM -2:15 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)	
I-131 (Approx. 8 days)	ND	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	4.3E-07	0.00	ND	-	2E-03
Cs-137 (Approx. 30 years)	8.3E-07	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>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 at the ventilation facility of Unit 2 reactor building (opening of exhaust gas filter) are as follows.

Volatile: I-131: Approx. 2E-7Bq/cm<sup>3</sup>, Cs-134: Approx.4E-7Bq/cm<sup>3</sup>, Cs-137: Approx.6E-7Bq/cm<sup>3</sup>

Particulate: I-131: Approx. 1E-7Bq/cm<sup>3</sup>

The detection limits at the ventilation facility of Unit 2 reactor building (exit of exhaust gas filter) are as follows.

Volatile: I-131: Approx. 2E-7Bq/cm<sup>3</sup>, Cs-134: Approx.4E-7Bq/cm<sup>3</sup>, Cs-137: Approx.6E-7Bq/cm<sup>3</sup>

Particulate: I-131: Approx. 1E-7Bq/cm<sup>3</sup>, Cs-134: Approx.2E-7Bq/cm<sup>3</sup>, Cs-137: Approx.3E-7Bq/cm<sup>3</sup>