

Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of Unit 1 Reactor Building (1st Sampling) Reference

(Data summarized on December 19)

Place of Sampling	Upper Part of Reactor well  Unit 1 Reactor Building South Side		Upper Part of Unit 1 Reactor Building , Hatch ope-fro floor				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		Time of Sampling				
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	-	ND	-			1E-03
Cs-134 (Approx. 2 years)	1.4E-06	0.00	ND	-			2E-03
Cs-137 (Approx. 30 years)	3.2E-06	0.00	ND	-			3E-03

\* O.OE—O is the same as O.O x 10-O

Data of other nuclides is under examination.

\* In the case of 2 nuclides or more, 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. 1E-6Bq/cm<sup>3</sup>, Cs-134: Approx.2E-6Bq/cm<sup>3</sup>, Cs-137: Approx.4E-6Bq/cm<sup>3</sup>  
 Particulate: I-131: Approx. 9E-7Bq/cm<sup>3</sup>, Cs-134: Approx.7E-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.