

Nuclide Analysis Results of Radioactive Materials in the Air  
at the Sites of Fukushima Nuclear Power Stations (1/2)

Reference

(Data Summarized on August 5)

Place of sampling	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)		/		②Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)※2
	Date and time of sampling	11:30 am - 0:10 pm August 4, 2011	9:29 am - 9:39 am August 4, 2011	/			
Detected nuclide (half-life)	①Radioactivity density※1 (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density※1 (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density※1 (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	
I-131 (approx. 8 days)	ND	-	ND	-	/	/	1E-03
Cs-134 (approx. 2 years)	ND	-	ND	-	/	/	2E-03
Cs-137 (approx. 30 years)	ND	-	ND	-	/	/	3E-03

※1 The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

○.○E-○ means ○.○ x 10<sup>-○</sup>

Data of other nuclides are under examination.

※2 In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

※3 In this analysis, "ND" means that the results fall below detection limits.

(Volatile: I-131: approx. 2E-6Bq/cm<sup>3</sup>, Cs-134: approx. 3E-6Bq/cm<sup>3</sup>, and Cs-137: approx. 3E-6Bq/cm<sup>3</sup>)

(Particulate: I-131: approx. 9E-7Bq/cm<sup>3</sup>, Cs-134: approx. 2E-6Bq/cm<sup>3</sup>, and Cs-137: approx. 2E-6Bq/cm<sup>3</sup>)

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Nuclide Analysis Results of Radioactive Materials in the Air  
at the Sites of Fukushima Nuclear Power Stations (2/2)

Reference

(Data Summarized on August 5)

Place of sampling	Unit 1 North Side Slope Fukushima Daiichi		Unit 1&2 West Side Slope Fukushima Daiichi		Unit 3&4 West Side Slope Fukushima Daiichi		②Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)※2
Date and time of sampling	10:20am - 15:20pm August 4, 2011		10:35am - 15:35pm August 4, 2011		10:42am - 15:42pm August 4, 2011		
Detected nuclide (half-life)	①Radioactivity density※1 (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density※1 (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density※1 (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	
I-131 (approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (approx. 2 years)	1.2E-05	0.01	6.8E-06	0.00	ND	-	2E-03
Cs-137 (approx. 30 years)	1.6E-05	0.01	4.7E-06	0.00	ND	-	3E-03

※1 The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

○.○E-○ means ○.○ x 10<sup>-○</sup>

Data of other nuclides are under examination.

※2 In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

※3 In this analysis, "ND" means that the results fall below detection limits.

(Volatile: I-131: approx. 2E-6Bq/cm<sup>3</sup>, Cs-134: approx. 3E-6Bq/cm<sup>3</sup>, and Cs-137: approx. 3E-6Bq/cm<sup>3</sup>)

(Particulate: I-131: approx. 1E-6Bq/cm<sup>3</sup>, Cs-134: approx. 2E-6Bq/cm<sup>3</sup>, and Cs-137: approx. 2E-6Bq/cm<sup>3</sup>)

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.