

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

Reference

(Data Summarized on August 13)

Place of sampling	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)		/		②Density limit by the announcement of Reactor Regulation (Bq/cm ³) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) ^{※2}
	①Radioactivity density ^{※1 ※3} (Bq/cm ³)	Scaling factor (①/②)	①Radioactivity density ^{※1 ※3} (Bq/cm ³)	Scaling factor (①/②)	①Radioactivity density ^{※1 ※3} (Bq/cm ³)	Scaling factor (①/②)	
Date and time of sampling	2011/8/12 7:00 ~ 12:00		2011/8/12 9:37 ~ 9:47		/		
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^{-○}

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.

Detection limits of 3 nuclides on the West Gate of Fukushima Daiichi are as follows;

(Volatile: I-131: approx. 1E-7Bq/cm³, Cs-134: approx. 4E-7Bq/cm³, and Cs-137: approx. 4E-7Bq/cm³)

(Particulate: I-131: approx. 8E-8Bq/cm³, Cs-134: approx. 2E-7Bq/cm³, and Cs-137: approx. 2E-7Bq/cm³)

Detection limits of 3 nuclides on MP-1 of Fukushima Daini are as follows;

(Volatile: I-131: approx. 2E-6Bq/cm³, Cs-134: approx. 3E-6Bq/cm³, and Cs-137: approx. 3E-6Bq/cm³)

(Particulate: I-131: approx. 1E-6Bq/cm³, Cs-134: approx. 2E-6Bq/cm³, and Cs-137: approx. 2E-6Bq/cm³)

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

Reference

(Data Summarized on August 13)

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 ³) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) ^{※2}
Date and time of sampling	-		2011/8/12 9:22 ~ 14:22		-		
Detected nuclide (half-life)	①Radioactivity density ^{※1 ※3} (Bq/cm ³)	Scaling factor (①/②)	①Radioactivity density ^{※1 ※3} (Bq/cm ³)	Scaling factor (①/②)	①Radioactivity density ^{※1 ※3} (Bq/cm ³)	Scaling factor (①/②)	
I-131 (approx. 8 days)	/	/	ND	-	/	/	1E-03
Cs-134 (approx. 2 years)	/	/	5.0E-06	0.00	/	/	2E-03
Cs-137 (approx. 30 years)	/	/	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.

0.0E-0 means 0.0×10^{-0}

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/cm³, Cs-134: approx. 5E-6Bq/cm³, and Cs-137: approx. 6E-6Bq/cm³)

(Particulate: I-131: approx. 1E-6Bq/cm³, Cs-134: approx. 3E-6Bq/cm³)