

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

Reference

(Data summarized on August 26)

Place of Sampling	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				Density 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
	Time and Date of Sample Collection	Radioactivity density ^{1 3} (Bq/cm ³)	Scaling Factor (/)	Radioactivity density ^{1 3} (Bq/cm ³)			
Time and Date of Sample Collection	2011/8/25 7:00 ~ 12:00		2011/8/25 9:40 ~ 9:50				
Detected Nuclides (Half-life)	Radioactivity density ^{1 3} (Bq/cm ³)	Scaling Factor (/)	Radioactivity density ^{1 3} (Bq/cm ³)	Scaling Factor (/)	Radioactivity density ^{1 3} (Bq/cm ³)	Scaling Factor (/)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	ND	-	ND	-			2E-03
Cs-137 (about 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.

O.OE - O means O.O x 10-O

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. 3E-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. 4E-6Bq/cm3, and Cs-137: approx. 3E-6Bq/cm3)

(Particulate: I-131: approx. 9E-7Bq/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 26)

Place of Sampling	Fukushima Daiichi Unit 1 North Side Slope	Fukushima Daiichi Unit 1 and Unit 2 West Side Slope	Fukushima Daiichi Unit 3 and Unit 4 West Side Slope	Density 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			
Time and Date of Sample Collection	2011/8/25 10:21 ~ 15:21	2011/8/25 10:12 ~ 15:12	2011/8/25 10:05 ~ 15:05				
Detected Nuclides (Half-life)	Radioactivity density ^{1 3} (Bq/cm ³)	Scaling Factor (/)	Radioactivity density ^{1 3} (Bq/cm ³)				
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	6.4E-06	0.00	ND	-	ND	-	2E-03
Cs-137 (about 30 years)	7.1E-06	0.00	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.

O.OE - O means O.O x 10-O

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 are as follows;

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

Particulate: I-131: approx. 1E-6Bq/cm³, Cs-134: approx. 3E-6Bq/cm³, and Cs-137: approx. 3E-6Bq/cm³)

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