

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

Reference

(Data Summarized on August 11)

Place of sampling	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				Density limit by the announcement of Reactor Regulation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) 2
	Radioactivity density 1 (Bq/cm3)	Scaling factor (/)	Radioactivity density 1 (Bq/cm3)	Scaling factor (/)			
Date and time of sampling	2011/8/10 7:00分 ~ 12:00		2011/8/10 7:00 ~ 12:00				
Detected nuclide (half-life)	Radioactivity density 1 (Bq/cm3)	Scaling factor (/)	Radioactivity density 1 (Bq/cm3)	Scaling factor (/)	Radioactivity density 1 (Bq/cm3)	Scaling factor (/)	
I-131 (approx. 8 days)	ND	-	ND	-			1E-03
Cs-134 (approx. 2 years)	2.9E-07	0.00	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 bellow 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. 3E-6Bq/cm3, and Cs-137: approx. 約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 11)

Place of sampling	1u mountainside Fukushima daiichi		2u mountainside Fukushima Daiichi		3u mountainside Fukushima Daiichi		Density limit by the announcement of Reactor Regulation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) 2
Date and time of sampling	2011/8/10 10:21 ~ 12:21		2011/8/10 10:24 ~ 12:24		not eligible		
Detected nuclide (half-life)	Radioactivity density 1 (Bq/cm3)	Scaling factor (/)	Radioactivity density 1 (Bq/cm3)	Scaling factor (/)	Radioactivity density 1 (Bq/cm3)	Scaling factor (/)	
I-131 (approx. 8 days)	ND	-	ND	-			
Cs-134 (approx. 2 years)	1.8E-05	0.01	ND	-			2E-03
Cs-137 (approx. 30 years)	1.7E-05	0.01	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. 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. 3E-6Bq/cm3, and Cs-137: approx. 約2E-6Bq/cm3)