

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

Reference

(Data Summarized on August 10)

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
	Date and time of sampling	8/9/2011 7:00am - 12:00pm	8/9/2011 9:31am - 9:41am	/			
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)	3.3E-07	0.00	ND	-	/		2E-03
Cs-137 (approx. 30 years)	5.3E-07	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.

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 10)

Place of sampling	MP-1, Fukushima Daiichi		MP-3, Fukushima Daiichi		MP-8, Fukushima Daiichi		Density 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	8/9/2011 10:10am - 3:10pm		8/9/2011 10:49am - 3:49pm		8/9/2011 10:32am - 3:32pm		
Detected nuclide (half-life)	Radioactivity density 1 (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density 1 (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density 1 (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
I-131 (approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (approx. 2 years)	ND	-	ND	-	ND	-	2E-03
Cs-137 (approx. 30 years)	ND	-	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.

Detection limits of 3 nuclides are as follows;

(Volatile: I-131: approx. 2E-6Bq/cm<sup>3</sup>, Cs-134: approx. 5E-6Bq/cm<sup>3</sup>, and Cs-137: approx. 5E-6Bq/cm<sup>3</sup>)

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