

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

(Data summarized on August 31)

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
	Time of Sampling	2011/8/30 7:00 ~ 12:00	Time of Sampling	2011/8/30 9:36 ~ 9:46	Radioactivity density*1 *3 ( Bq/cm3)	Scaling Factor ( / )	
Detected Nuclides (Half-life)	Radioactivity density*1 *3 ( Bq/cm3)	Scaling Factor ( / )	Radioactivity density*1 *3 ( Bq/cm3)	Scaling Factor ( / )	Radioactivity density*1 *3 ( Bq/cm3)	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 "ND" means the sampled data is below measurable limit.

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, Cs-137: approx. 4E-7Bq/cm3

    Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, 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. 5E-6Bq/cm3, Cs-137: approx. 4E-6Bq/cm3

    Particulate: I-131: approx. 9E-7Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 2E-6Bq/cm3

## Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations &lt; 2/2 &gt;

(Data summarized on August 31)

Place of Sampling	Fukushima Daiichi M P - 1		Fukushima Daiichi M P - 3		Fukushima Daiichi M P - 8		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
Time of Sampling	2011 Aug 30 (Not sampled)		2011/8/30 9:58 ~ 14:58		2011/8/30 9:46 ~ 14:46		
Detected Nuclides (Half-life)	Radioactivity density *1 *3 ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Radioactivity density *1 *3 ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Radioactivity density *1 *3 ( Bq/cm <sup>3</sup> )	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 "ND" means the sampled data is below measurable limit.

The followings show the detection limits.

Volatile: I-131: approx. 2E-7Bq/cm<sup>3</sup>, Cs-134: approx. 5E-7Bq/cm<sup>3</sup>, Cs-137: approx. 6E-7Bq/cm<sup>3</sup>

Particulate: I-131: approx. 1E-7Bq/cm<sup>3</sup>, Cs-134: approx. 4E-7Bq/cm<sup>3</sup>, Cs-137: approx. 4E-7Bq/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.