

The result of the nuclide analysis of radioactive materials in the air at the site of Fukushima Daini Nuclear Power Station

The result of the nuclide analysis of radioactive materials in the air at the site of Fukushima Daini Nuclear Power Station is as follows.

**Reference**

(Data collected on April 8th)

1. 採取・測定条件

Collection of sample	Place	Fukushima Daini: MP - 1	Fukushima Daini: MP - 1	
	Date	4/7 9:43 ~ 9:50	4/7 16:09 ~ 16:17	
	Manner of Collection	Collecting dust by monitoring cars	Collecting dust by monitoring cars	
	Wind direction & speed	-	-	
Measurement of sample	Date	4/7 11:08 ~	4/7 19:40 ~	
	Measuring method	Analyzed it by the nuclide analysis device of Germanium semi-conductor type	Analyzed it by the nuclide analysis device of Germanium semi-conductor type	
	Measuring time	1000s	1000s	

2. Result

	Nuclide	Radioactivity density (Bq/cm <sup>3</sup> )	Detection limit density (Bq/cm <sup>3</sup> )	Ratio to density limit in the air ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Detection limit density (Bq/cm <sup>3</sup> )	Ratio to density limit in the air ( / )			Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> )
Volatile characteristics	I-131	3.1E-05	9.0E-06	0.03	1.6E-05	1.4E-05	0.02			1E-03
	Cs-134	1.0E-05	8.5E-06	0.01	ND	-	-			2E-03
	Cs-137	1.4E-05	9.1E-06	0.00	ND	-	-			3E-03
Particulate characteristics	I-131	1.0E-05	7.3E-06	0.01	5.8E-05	3.4E-06	0.06			1E-03
	Cs-134	ND	-	-	2.5E-05	2.5E-06	0.01			2E-03
	Cs-137	ND	-	-	2.6E-05	2.3E-06	0.01			3E-03

Statutory density limit to the 3-month average density of radioactive nuclides contained in the air that humans breathe

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Data of other nuclides are under examination.