

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

Reference

(Creation date:May 6th)

Place of sampling		West gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)			Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm ³)	
Date and time of sampling		11:23-11:43am May 5th, 2011		9:15-9:22am May 5th, 2011	3:37-3:44pm May 5th, 2011			
Detected nuclide (half-life)		Radioactivity density (Bq/cm ³)	Scaling factor (/)	Radioactivity density (Bq/cm ³)	Scaling factor (/)	Radioactivity density (Bq/cm ³)		Scaling factor (/)
volatile	I-131 (approx. 8 days)	1.2E-05	0.01	4.2E-06	0.00	4.3E-06	0.00	1E-03
	Cs-134 (approx. 2 years)	1.9E-05	0.01	1.1E-05	0.01	1.4E-05	0.01	2E-03
	Cs-137 (approx. 30 years)	2.1E-05	0.01	1.5E-05	0.01	1.3E-05	0.00	3E-03
particulate	I-131 (approx. 8 days)	8.6E-06	0.01	2.9E-06	0.00	2.6E-06	0.00	1E-03
	Cs-134 (approx. 2 years)	1.5E-05	0.01	5.6E-06	0.00	9.1E-06	0.00	2E-03
	Cs-137 (approx. 30 years)	1.5E-05	0.01	7.0E-06	0.00	9.6E-06	0.00	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.

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.