

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 7th)

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		11:00-11:20am May 6th, 2011		9:03-9:11am May 6th, 2011		3:07-3:15pm May 6th, 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)	1.0E-05	0.01	7.7E-06	0.01	3.9E-06	0.00	1E-03
	Cs-134 (approx. 2 years)	1.1E-05	0.01	1.2E-05	0.01	1.6E-05	0.01	2E-03
	Cs-137 (approx. 30 years)	1.2E-05	0.00	8.1E-06	0.00	1.6E-05	0.01	3E-03
particulate	I-131 (approx. 8 days)	9.1E-06	0.01	6.6E-06	0.01	1.6E-06	0.00	1E-03
	Cs-134 (approx. 2 years)	9.4E-06	0.00	1.3E-05	0.01	7.6E-06	0.00	2E-03
	Cs-137 (approx. 30 years)	1.0E-05	0.00	ND	-	7.4E-06	0.00	3E-03

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

. E - means . ×10⁻

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.