

Result of Nuclide Analysis of Radioactive Materials in the Air above Reactor Building, Fukushima Daiichi Nuclear Power Station

Reference

(Data Sumerraised on July 14)

Place of sampling	Above Reactor Building of Unit 3, Fukushima Daiichi Nuclear Power Station								Density limit by the announcement of Reactor Regulation (Bq/cm3) (Density limit in the air to workers engaged in tasks associated with radiation) 2
Date and time of sampling	2011/7/12 11:30 ~ 12:00		2011/7/12 15:00 ~ 15:30		2011/7/13 6:46 ~ 7:16		2011/7/13 11:00 ~ 11:30		
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 (/)	Radioactivity density 1 (Bq/cm3)	Scaling factor (/)	
I-131 (approx. 8 days)	4.6E-06	0.00	2.8E-06	0.00	2.3E-06	0.00	2.5E-06	0.00	1E-03
Cs-134 (approx. 2 years)	1.8E-05	0.01	1.1E-05	0.01	ND	-	6.4E-06	0.00	2E-03
Cs-137 (approx. 30 years)	8.9E-06	0.00	1.5E-05	0.01	1.1E-05	0.00	1.3E-05	0.00	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

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