

Results of Nuclide Analysis of Radioactive Materials in the Air  
at the Sites of Fukushima Nuclear Power Stations

Reference

(Data Summarized on July 17)

Place of sampling	Mountain side of Fukushima Daiichi, Unit 3		MP-3 of Fukushima Daiichi		MP-8 of Fukushima Daiichi		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
Date and time of sampling	10:38 ~ 11:38 July 13, 2011		11:14 ~ 14:14 July 13, 2011		11:02 ~ 14:02 July 13, 2011		
Detected nuclide (half-life)	Radioactivity density 1 (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density 1 (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density 1 (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
I-131 (approx. 8 days)	ND	-	ND	-	ND	-	
Cs-134 (approx. 2 years)	2.5E-05	0.01	6.6E-06	0.00	ND	-	2E-03
Cs-137 (approx. 30 years)	3.5E-05	0.01	7.1E-06	0.00	6.7E-06	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

. E - means . x 10<sup>-</sup>

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

3 It took more than 1 hour due to using low flow rate dust sampler (approx 5 /min)

< reference > The flow rate of dust sampler that we are using at west gate is approx 40 /min

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Reference

(Data Summarized on July 17)

Place of sampling	Mountain side of Fukushima Daiichi, Unit 1		Mountain side of Fukushima Daiichi, Unit 2		North side slope of Fukushima Daiichi, Unit 1		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
Date and time of sampling	10:41 ~ 11:41 <sup>3</sup> July 15, 2011		10:43 ~ 11:43 <sup>3</sup> July 15, 2011		10:34 ~ 13:34 <sup>3</sup> July 15, 2011		
Detected nuclide (half-life)	Radioactivity density 1 (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density 1 (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density 1 (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
I-131 (approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (approx. 2 years)	3.2E-05	0.02	2.8E-05	0.01	1.5E-05	0.01	2E-03
Cs-137 (approx. 30 years)	4.3E-05	0.01	2.9E-05	0.01	1.1E-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

. E - means . x 10<sup>-</sup>

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

3 It took more than 1 hour due to using low flow rate dust sampler (approx 5 /min)

<reference>The flow rate of dust sampler that we are using at west gate is approx 40 /min