Nuclide Analysis Results of Radioactive Materials in the Air
at the Sites of Fukushima Nuclear Power Stations <1/2>

Reference

(Data Summarized on August 17)

Place of sampling	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				②Density limit by the announcement of Reactor Regulation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)※2
Date and time of sampling	**August 16, 2011 7:00-12:00**		**August 16, 2011 9:26-9:36**				
Detected nuclide (half-life)	①Radioactivity density※1 ※3 (Bq/cm3)	Scaling factor (①/②)	①Radioactivity density※1 ※3 (Bq/cm3)	Scaling factor (①/②)	①Radioactivity density※1 ※3 (Bq/cm3)	Scaling factor (①/②)	
I-131 (approx. 8 days)	**ND**	-	**ND**	-			**1E-03**
Cs-134 (approx. 2 years)	**ND**	-	**ND**	-			**2E-03**
Cs-137 (approx. 30 years)	**ND**	-	**ND**	-			**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 $10^{-○}$

Data of other nuclides are under examination.

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

※3 In this analysis, "ND" means that the results fall bellow detection limits.

Detection limits of 3 nuclides on the West Gate of Fukushima Daiichi are as follows;
(Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 4E-7Bq/cm3, and Cs-137: approx. 4E-7Bq/cm3)
(Particulate: I-131: approx. 8E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, and Cs-137: approx. 2E-7Bq/cm3)
Detection limits of 3 nuclides on MP-1 of Fukushima Daini are as follows;
(Volatile: I-131: approx.2E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, and Cs-137: approx. 3E-6Bq/cm3)
(Particulate: I-131: approx. 1E-6Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, and Cs-137: approx. 2E-6Bq/cm3)

Nuclide Analysis Results of Radioactive Materials in the Air
at the Sites of Fukushima Nuclear Power Stations <2/2>

Reference

(Data Summarized on August 17)

Place of sampling	MP-1 of Fukushima Daiichi		MP-3 of Fukushima Daiichi		MP-8 of Fukushima Daiichi		②Density limit by the announcement of Reactor Regulation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)※2
Date and time of sampling	**August 16, 2011 10:07-15:07**		**August 16, 2011 9:51-14:51**		**August 16, 2011 9:40-14:40**		
Detected nuclide (half-life)	①Radioactivity density※1 ※3 (Bq/cm3)	Scaling factor (①/②)	①Radioactivity density※1 ※3 (Bq/cm3)	Scaling factor (①/②)	①Radioactivity density※1 ※3 (Bq/cm3)	Scaling factor (①/②)	
I-131 (approx. 8 days)	**ND**	**-**	**ND**	**-**	**ND**	**-**	**1E-03**
Cs-134 (approx. 2 years)	**ND**	**-**	**ND**	**-**	**ND**	**-**	**2E-03**
Cs-137 (approx. 30 years)	**ND**	**-**	**ND**	**-**	**ND**	**-**	**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 $10^{-○}$

Data of other nuclides are under examination.

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

※3 In this analysis, "ND" means that the results fall bellow detection limits.
(Volatile: I-131: approx. 3E-6Bq/cm3, Cs-134: approx. 6E-6Bq/cm3, and Cs-137: approx. 6E-6Bq/cm3)
(Particulate: I-131: approx. 1E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, and Cs-137:approx. 3E-6Bq/cm3)
Please note that these nuclides can be detected depending on the instruments or the properties of samples.