Nuclide Analysis Results of Radioactive Materials in the Air
at the Upper Part of the Ractor Building of Unit 3, Fukushima Daiichi
(Data Summarized on August 25)

Reference

Place of sampling	Upper part of reactor building of Unit 3 (westside in upper part of reactor)		Upper part of reactor building of Unit 3 (eastside in upper part of reactor)		Upper part of reactor building of Unit 3 (northtside in upper part of reactor)		Upper part of reactor building of Unit 3 (southtside in upper part of reactor)		Density limit by the announcement of Reactor Regulation Bq/cm^3 (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) [2]
Date and time of sampling	9:00-9:30 Aug. 24, 2011		9:35-10:05 Aug. 24, 2011		11:30-12:00 Aug. 24, 2011		12:05-12:35 Aug. 24, 2011		
Detected nuclide (half-life)	Radioactivity density [1] [3] Bq/cm^3)	Scaling factor (/)	Radioactivity density [1] [3] Bq/cm^3)	Scaling factor (/)	Radioactivity density [1] [3] Bq/cm^3)	Scaling factor (/)	Radioactivity density [1] [3] Bq/cm^3)	Scaling factor (/)	
I-131 (approx. 8 days)	2.8E-06	0.00	ND	-	ND	-	ND	-	1E-03
Cs-134 (approx. 2 years)	1.0E-03	0.50	6.6E-06	0.00	1.6E-04	0.08	5.0E-05	0.03	2E-03
Cs-137 (approx. 30 years)	1.2E-03	0.40	5.4E-06	0.00	1.7E-04	0.06	5.2E-05	0.02	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 are as follows;
Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 6E-6Bq/cm3, and Cs-137: approx. 6E-6Bq/cm3)
Particulate: I-131: approx. 5E-6Bq/cm3
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.