

Definite Results of Nuclides Analysis at Fukushima Daiichi Nuclear Power Station (Announced on November 1 - 15, 2013)

- < Legend > -: γ nuclides except for the major 3 nuclides (I-131, Cs-134, Cs-137) were not detected. \Rightarrow Please refer to the preliminary reports for the result of the major nuclides.
 O: γ nuclides other than the major 3 nuclides (I-131, Cs-134, Cs-137) were detected. \Rightarrow Please refer to the following pages.
 /: Not applicable or cancelled due to the bad weather

Announcement Date of the Preliminary Report Sampling Point	November														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Nuclides Analysis Result of the Radioactive Materials in the Air at Fukushima Nuclear Power Stations	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nuclides Analysis Result of the Radioactive Materials in the Air at the Sea Side of Fukushima Nuclear Power Stations	-	/	/	/	/	/	/	-	/	/	/	/	/	/	-
Nuclides Analysis Result of Radioactive Materials in the Seawater < Coast >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nuclides Analysis Result of the Radioactive Materials in the Seawater < Offshore of Ibaraki Prefecture >	/	/	/	/	/	/	/	/	/	/	/	-	/	/	/
Nuclides Analysis Result of the Radioactive Materials in the Seawater of the Port	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nuclides Analysis Result of the Sub-drain of Fukushima Daiichi NPS	/	-	/	/	-	/	-	/	-	/	/	-	/	-	/
Nuclides Analysis Result of the Sub-drain Water in the Surroundings of the Central Radioactive Waste Treatment Facility	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS	/	/	/	/	/	/	/	/	/	/	/	/	-	/	/
Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of Unit 1 Reactor Building	/	/	/	/	/	/	/	/	/	/	/	/	-	/	/
Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of Unit 2 Reactor Building	/	/	/	/	/	/	/	/	/	/	/	/	O	/	/

[Definite Report] Nuclides Analysis Result of the Radioactive Materials in the Air at the Exhaust System of Unit 2 Reactor Building <1/1>

Place of Sampling	The Exhaust System of the Unit 2 Reactor Building (The entrance of cover exhaust system filter)		The Exhaust System of the Unit 2 Reactor Building (The exit of cover exhaust system filter)				② Density Limit in the Air for Workers to Engage in Radiation Related Tasks (Bq/cm ³)*
Time of Sampling	2013 To 1:09 PM on November 8, 2013		2013 To 1:08 PM on November 8, 2013				
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm ³)	Scaling Factor (①/②)	①Density of Sample (Bq/cm ³)	Scaling Factor (①/②)	①Density of Sample (Bq/cm ³)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	ND	-			1E-03
Cs-134 (Approx. 2 years)	2.9E-05	0.01	ND	-			2E-03
Cs-137 (Approx. 30 years)	6.0E-05	0.02	ND	-			3E-03
Mn-54 (Approx. 310 days)	ND	-	ND	-			2E-02
Co-60 (Approx. 5 years)	ND	-	ND	-			1E-03
Nb-95 (Approx. 35 days)	ND	-	ND	-			2E-02
Tc-99m (Approx. 6 hrs)	ND	-	ND	-			7E-01
Ru-106 (Approx. 370 days)	ND	-	ND	-			6E-04
Ag-110m (Approx. 250 days)	ND	-	ND	-			3E-03
Sb-125 (Approx. 3 yrs)	2.0E-06	0.00	ND	-			6E-03
Te-129 (Approx. 70 mins)	ND	-	ND	-			4E-01
Te-129m (Approx. 34 days)	ND	-	ND	-			4E-03
I-132 (Approx. 2 hrs)	ND	-	ND	-			7E-02
Te-132 (Approx. 78 hrs)	ND	-	ND	-			4E-03
I-133 (Approx. 21 hrs)	ND	-	ND	-			5E-03
Cs-136 (Approx. 13 days)	ND	-	ND	-			1E-02
Ba-140 (Approx. 13 days)	ND	-	ND	-			1E-02
La-140 (Approx. 40 hrs)	ND	-	ND	-			1E-02

* The radioactivity density is the sum of the volatile nuclides density and the particulate nuclides density.

* O.OE—O is the same as O.O x 10⁻⁰

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* "ND" indicates that the measurement result is below the detection limit.

The detection limits at the exhaust system of the Unit 2 Reactor Building (the entrance of cover exhaust system filter) are as follows:

Volatile: I-131: Approx. 2E-7Bq/cm³, Cs-134: Approx. 4E-7Bq/cm³, Cs-137: Approx. 6E-7Bq/cm³

Particulate: I-131: Approx. 4E-7Bq/cm³

The detection limits at the exhaust system of the Unit 2 Reactor Building (the exit of cover exhaust system filter) are as follows:

Volatile: I-131: Approx. 2E-7Bq/cm³, Cs-134: Approx. 4E-7Bq/cm³, Cs-137: Approx. 6E-7Bq/cm³

Particulate: I-131: Approx. 1E-7Bq/cm³, Cs-134: Approx. 2E-7Bq/cm³, Cs-137: Approx. 3E-7Bq/cm³

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.