Definite Results of Nuclides Analysis at Fukushima Daiichi Nuclear Power Station (Announced on February 1 - 15, 2012)

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

Announcement Date of the Preliminary Report / Sampling Point	February															
	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 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	－	－	－	－	－	－	－	－	－	－	－	－	－	－	－	
Nuclide Analysis Results of Radioactive Materials in the Air above the Reactor Building at Fukushima Daiichi Power Station （Upper Part of Unit 1 Reactor Building）															－	
Nuclide Analysis Results of Radioactive Materials in the Air above the Reactor Building at Fukushima Daiichi Power Station （Upper Part of Unit 2 Reactor Building）															○	
Nuclide Analysis Results of Radioactive Materials in the Air above the Reactor Building at Fukushima Daiichi Power Station （Upper Part of Unit 3 Reactor Building）															－	
Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS															－	

【Definite Report】 Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of Unit 2 Reactor Building < 1/2 >

Place of Sampling	Upper Part of Unit 2 Reactor Building ① (The Center of the Blow-out Panel, West Side Upper)		Upper Part of Unit 2 Reactor Building ② (The Center of the Blow-out Panel, West Side Lower)		Upper Part of Unit 2 Reactor Building ③ (The Center of the Blow-out Panel, West Side Upper)		② Density Limit in the Air for Workers to Engage in Radiation Related Tasks (Bq/cm^3)*
Time of Sampling	Feb 9, 2013 9:30 AM - 11:30 AM		Feb 9, 2013 9:30 AM - 11:30 AM		Feb 9, 2013 12:10 AM - 2:10 PM		
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	-	ND	-	1E-03
Cs-134 (Approx. 2 years)	2.2E-05	0.01	ND	-	ND	-	2E-03
Cs-137 (Approx. 30 years)	3.6E-05	0.01	ND	-	ND	-	3E-03
Nb-95 (Approx. 35 days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (Approx. 6 hrs)	ND	-	ND	-	ND	-	7E-01
Ru-106 (Approx. 370 days)	ND	-	ND	-	ND	-	6E-04
Ag-110m (Approx. 250 days)	ND	-	ND	-	ND	-	3E-03
Sb-125 (Approx. 3 yrs)	9.1E-06	0.00	ND	-	4.8E-06	0.00	6E-03
Te-129 (Approx. 70 mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (Approx. 34 days)	ND	-	ND	-	ND	-	4E-03
I-132 (Approx. 2 hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (Approx. 78 hrs)	ND	-	ND	-	ND	-	4E-03
I-133 (Approx. 21 hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (Approx. 13 days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (Approx. 13 days)	ND	-	ND	-	ND	-	1E-02
La-140 (Approx. 40 hrs)	ND	-	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 $O.O \times 10^{-O}$
* 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 are as follows:
Volatile: I-131: Approx. 2E-6Bq/cm^3, Cs-134: Approx. 5E-6Bq/cm^3, Cs-137: Approx. 6E-6Bq/cm^3
Particulate: I-131: Approx. 2E-6Bq/cm^3, Cs-134: Approx. 3E-6Bq/cm^3, Cs-137: Approx. 4E-6Bq/cm^3
As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

【Definite Report】 Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of Unit 2 Reactor Building < 2/2 >

Place of Sampling	Upper Part of Unit 2 Reactor Building ④ (The Center of the Blow-out Panel, West Side Lower)						② Density Limit in the Air for Workers to Engage in Radiation Related Tasks (Bq/cm^3)*
Time of Sampling	Feb 9, 2013 12:10 AM - 2:10 PM						
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	-					1E-03
Cs-134 (Approx. 2 years)	3.7E-06	0.00					2E-03
Cs-137 (Approx. 30 years)	ND	-					3E-03
Nb-95 (Approx. 35 days)	ND	-					2E-02
Tc-99m (Approx. 6 hrs)	ND	-					7E-01
Ru-106 (Approx. 370 days)	ND	-					6E-04
Ag-110m (Approx. 250 days)	ND	-					3E-03
Sb-125 (Approx. 3 yrs)	ND	-					6E-03
Te-129 (Approx. 70 mins)	ND	-					4E-01
Te-129m (Approx. 34 days)	ND	-					4E-03
I-132 (Approx. 2 hrs)	ND	-					7E-02
Te-132 (Approx. 78 hrs)	ND	-					4E-03
I-133 (Approx. 21 hrs)	ND	-					5E-03
Cs-136 (Approx. 13 days)	ND	-					1E-02
Ba-140 (Approx. 13 days)	ND	-					1E-02
La-140 (Approx. 40 hrs)	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^{-O}
* 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 are as follows:
Volatile: I-131: Approx. 2E-6Bq/cm^3, Cs-134: Approx. 5E-6Bq/cm^3, Cs-137: Approx. 6E-6Bq/cm^3
Particulate: I-131: Approx. 1E-6Bq/cm^3, Cs-137: Approx. 4E-6Bq/cm^3
As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.