Definite Results of Nuclides Analysis at Fukushima Daiichi Nuclear Power Station (Announced on April 16 - 30, 2013)

< Legend > $-: \gamma$ 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.

 \checkmark : Not applicable or cancelled due to the bad weather

Announcement Date of the Preliminary Report	April															
Sampling Point	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
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	-		-		-		\triangleright	-	\square	-		-		\square	-	
Nuclides Analysis Result of the Sub-drain Water in the Surroundings of the Central Radioactive Waste Treatment Facility	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\square
Nuclide Analysis of the Radioactive Materials in the Fallouts obtained inside and outside of Fukushima Daiichi Nuclear Power Station		\square	\square	\square					-				\square	\square		
Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS		-	\square	\square					-				\square	\square		\square
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)	\nearrow	-	\nearrow		\nearrow	\searrow	\searrow			\nearrow	\nearrow	\checkmark	\searrow			\square
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)		0														
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)		-														

[Definite Report] Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of the Reactor Building <1/1>

Place of Sampling	The Exhaust Sys Reactor (The entrance of syster	stem of the Unit 2 Building of cover exhaust n filter)	The Exhaust Sys Reactor (The exit of cove filt	stem of the Unit 2 Building rr exhaust system ter)			② Density Limit in the Air for Workers		
Time of Sampling	From April 4, 2 To April 4, 20	2013 10:43 AM 013 12:43 PM	From April 4, 2 To April 4, 20	2013 10:14 AM 013 12:14 PM		to Engage in Radiation Related			
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)	Tasks (Bq/cm ³)*		
l-131 (Approx. 8 days)	ND	-	ND	-			1E-03		
Cs-134 (Approx. 2 years)	1.4E-06	0.00	ND	-			2E-03		
Cs-137 (Approx. 30 years)	2.5E-06	0.00	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)	9.1E-07	0.00	ND	-			3E-03		
Sb-125 (Approx. 3 yrs)	ND	-	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^{-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 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. 5E-7Bq/cm³, Cs-137: Approx. 6E-7Bq/cm³ Particulate: I-131: Approx. 2E-7Bg/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. 5E-7Bq/cm³, Cs-137: Approx. 6E-7Bq/cm³

Particulate: I-131: Approx. 1E-7Bq/cm³, Cs-134: Approx. 3E-7Bq/cm³, Cs-137: Approx. 4E-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.