Definite Results of Nuclides Analysis at Fukushima Daiichi Nuclear Power Station (Announced on August 16 - 31, 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

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Announcement Date of the Preliminary Report	August	•		•				•			•					
Sampling Point	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
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		_							-							ı
Nuclides Analysis Result of Radioactive Materials in the Seawater < Coast >	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Nuclides Analysis Result of the Radioactive Materials in the Seawater < Offshore of Ibaraki Prefecture >																$\overline{/}$
Nuclides Analysis Result of the Radioactive Materials in the Seawater of the Port	_	_	_	_	_	-	_	_	_	-	_	_	_	_	-	_
Nuclides Analysis Result of the Sub-drain of Fukushima Daiichi NPS	-		_			_		_		_			_		-	$\overline{/}$
Nuclides Analysis Result of Marine Soil									_							
Nuclides Analysis Result of the Sub-drain Water in the Surroundings of the Central Radioactive Waste Treatment Facility	_	-	_	_	_	_	_	_	-	_	_	_	-	_	_	_
Nuclides Analysis Result of the Radioactive Materials in the Seawater < Coast, Fukushima Daiichi Nuclear Power Station, Remeasurement >														_		
Nuclides Analysis Result of the Radioactive Materials in the Seawater in Front of Unit 5-6 Intake																
Nuclides Analysis Results of the Radioactive Fallout inseide and Outside Fukushima Daiichi NPS							_									$\overline{/}$
Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS							_									$\overline{/}$
Nuclides Analysis Result of the Radioactive Materials in the Marine Soil in the Port of Fukushima Daiichi NPS																$\overline{/}$

[Definite Report] Nuclides Analysis Result of Marine Soil

Place of Sampling (Place No.)	Around 2km Offshore of 2F (T-S7)								
Time of Sampling	Jun 24, 2012 6:35 AM								
Detected Nuclides (Half-life)	Radioactivity Density (Bq/kg・Dry Soil)								
I-131 (Approx. 8 days)	ND								
Cs-134 (Approx. 2 years)	160								
Cs-137 (Approx. 30 years)	260								
Mn-54 (Approx. 310 days)	3.1								
Co-60 (Approx. 5 years)	ND								
Tc-99m (Approx. 6 hrs)	ND								
Ag-110m (Approx. 250 days)	ND								
Sb-125 (Approx. 3 yrs)	ND								
Te-129 (Approx. 70 mins)	ND								
Te-129m (Approx. 34 days)	ND								
Cs-136 (Approx. 13 days)	ND								
Ba-140 (Approx. 13 days)	ND								
La-140 (Approx. 40 hrs)	ND								

^{* &}quot;ND" indicates that the measurement result is below the detection limit.

The detection limits of the three major nuclides not detected are as follows.

I-131: Approx. 5.4 Bq/kg, dry soil.

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

^{*} As for other sampling points at "Summary of Marine Soil Monitoring Result : Fukushima Daiichi Nuclear Power Station (June 2012) " (announced on August 17, 2012, reference), nuclide other than three major nuclides was not detected

[Definite Report] Nuclides Analysis Result of the Marine Soil in the Port of Fukushima Daiichi NPS < 1/2 >

Place of Sampling		in front of Shallow Draft Quay, Fukushima Daiichi NPS Offshore of Unit 1 Water Intake, Fukushima Daiichi NPS Fukushima Daiichi NPS			Offshore of Unit 2 Water Intake, Fukushima Daiichi NPS				
Place No.	- 2	- 3	- 1	- 2	- 2				
Time of Sampling		, 2012 9 AM	, 2012 6 AM	Jul 23, 2012 11:08 AM					
Detected Nuclides (Half-life)		Radioactivity Density (Bq/kg · Dry Soil)							
I-131 (Approx. 8 days)	ND	ND	ND	ND	ND				
Cs-134 (Approx. 2 years)	7,500	24,000	360,000	80	120				
Cs-137 (Approx. 30 years)	12,000	39,000	540,000	140	200				
Mn-54 (Approx. 310 days)	33	42	190	6.6	7.4				
C0-60 (Approx. 5 years)	15	31	290	ND	ND				
Tc-99m (Approx. 6 hrs)	ND	ND	ND	ND	ND				
Ag-110m (Approx. 250 days)	ND	ND	ND	ND	ND				
Sb-125 (Approx. 3 yrs)	ND	ND	ND	ND	ND				
Te-129 (Approx. 70 mins)	ND	ND	ND ND		ND				
Te-129m (Approx. 34 days)	ND	ND	ND	ND	ND				
Cs-136 (Approx. 13 days)	ND	ND	ND ND		ND				
Ba-140 (Approx. 13 days)	ND	ND	ND ND		ND				
La-140 (Approx. 40 hrs)	ND	ND	ND	ND	ND				

^{* &}quot;ND" indicates that the measurement result is below the detection limit.

The detection limits of the three major nuclides not detected are as follows. I-131: Approx. 1,500 Bq/kg, dry soil.

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

^{*} As for other sampling points at "Nuclides Analysis Result of the Marine Soil in the Port of Fukushima Daiichi NPS " (announced on August 31, 2012, reference), nuclide other than three major nuclides was not detected

[Definite Report] Nuclides Analysis Result of the Marine Soil in the Port of Fukushima Daiichi NPS < 2/2 >

Place of Sampling	South - North, around the entrance of breakwater, Fukushima Daiichi NPS		Offshore of Unit 3 Water Intake, Fukushima Daiichi NPS						
Place No.	i andomina Danem in C	- 1	- 2	- 3					
Time of Sampling	Jul 23, 2012 11:37 AM		Jul 23, 2012 11:20 AM						
Detected Nuclides (Half-life)		Radioactivity Density (Bq/kg · Dry Soil)							
I-131 (Approx. 8 days)	ND	ND	ND	ND					
Cs-134 (Approx. 2 years)	1,300	70,000	73,000	130,000					
Cs-137 (Approx. 30 years)	2,100	110,000	110,000	190,000					
Mn-54 (Approx. 310 days)	9.7	ND	ND	ND					
C0-60 (Approx. 5 years)	ND	100	69	54					
Tc-99m (Approx. 6 hrs)	ND	ND	ND	ND					
Ag-110m (Approx. 250 days)	ND	ND	ND	ND					
Sb-125 (Approx. 3 yrs)	ND	ND	ND	ND					
Te-129 (Approx. 70 mins)	ND	ND	ND	ND					
Te-129m (Approx. 34 days)	ND	ND	ND	ND					
Cs-136 (Approx. 13 days)	ND	ND	ND	ND					
Ba-140 (Approx. 13 days)	ND	ND	ND	ND					
La-140 (Approx. 40 hrs)	ND	ND	ND	ND					

^{* &}quot;ND" indicates that the measurement result is below the detection limit.

The detection limits of the three major nuclides not detected are as follows.

I-131: Approx. 1,500 Bq/kg, dry soil.

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

^{*} As for other sampling points at "Nuclides Analysis Result of the Marine Soil in the Port of Fukushima Daiichi NPS" (announced on August 31, 2012, reference), nuclide other than three major nuclides was not detected