Definite results of the nuclide analysis at Fukushima Daiichi Nuclear Power Station (From March 1 to 15)

< Legend > - : γ nuclide except for major 3 nuclides (I-131, Cs-134, Cs-137) was not detected.

: γ nuclide except for major 3 nuclides (I-131, Cs-134, Cs-137) was detected.

/ : Not applicable or cancelled due to bad weather

Please refer to the preliminary reports for major 3 nuclides. Please refer to the following pages.

Date of daily report	March															
Place of Sampling	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	\nearrow
Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations	-	-	-	-	_	_	_	_	_	Ι	_	-	_	-	-	
Nuclide Analysis Results of Radioactive Materials in the Air at the seaside of the sites of Fukushima Nuclear Power Stations		-							-			\square	\square		\square	
Nuclide Analysis Results of Radioactive Materials in the Air at the seaside in front of the site of Fukushima Daiiichi Nuclear Power Station																
Nuclide Analysis Results of Radioactive Materials in Seawater <coast></coast>	-	-	-	-	_	_	_	_	_	Ι	_	-	_	-	-	
Nuclide Analysis Results of Radioactive Materials in Seawater <offshore></offshore>	-	-		-		-	_		-	Ι						
Nuclide Analysis Results of Radioactive Materials in Seawater< Offshore remeasurement >			-										\square		\square	
Nuclide Analysis Results of Radioactive Materials in Seawater <offshore ibaraki<br="" of="">Prefecture></offshore>		\square			\square	_			\square	\square	\square		_			
Nuclide Analysis Results of Radioactive Materials in Seawater< Offshore of Miyagi prefecture >					\square	_		\square	\square		\square	\square	\square		\square	\square
Nuclide Analysis Results of Radioactive Materials of Seawater inside Port	_	-	-	-	_	-	-	_	-	-	-	_	_	-	-	
Nuclide Analysis Results of Radioactive Materials of Seawater in Intake of Unit 5 & 6												\square				\square
Result of nuclide analysis of sub drain of Fukushima Daiichi NPS	-		-		\square	-		-		-		\square	-		-	
Nuclide analysis results of ocean soil						-							\square		\square	
Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nuclide analysis of radioactive materials in dropping in and out of Fukushima Daiichi Nuclear Power Station.					\square	\square	\square		\square	\square	\square		\square			
Nuclide analysis results of radioactive materials in the air above the reactor building of Fukushima Daiichi Power Station (Upside of Unit 1 reactor building)					\square			\square	-	\square		\square	\square			
Nuclide analysis results of radioactive materials in the air above the reactor building of Fukushima Daiichi Power Station (Upside of Unit 2 reactor building)																
Nuclide analysis results of radioactive materials in the air above the reactor building of Fukushima Daiichi Power Station (Upside of Unit 3 reactor building)																

[Definite Report] Nuclide analysis results of ocean soil < 1/2 >

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)	Around South Discharge Channel of 1F (1-4u Discharge Channel)	Around North Discharge Channel of 2F (Around 3,4u Discharge Channel) (approx. 10 km from 1F)	Around Iwasawa Shore of 2F (appox. 7 km south of 1,2u Discharge Channel) (appox. 16 km from 1F)	lwasawa offshore 3km					
Time of Sampling	Mar 01, 2012 09:10 am	Mar 01, 2012 09:35 am	Mar 01, 2012 (Not sampled)	Mar 01, 2012 08:05 am	Mar 01, 2012 (Not sampled)					
Detected Nuclides (Half-life)	Radioactivity density (Bq/kg · moist soil)									
I-131 (about 8 days)	ND	ND	-	ND	-					
Cs-134 (about 2 years)	690	620	-	130	-					
Cs-137 (about 30 years)	930	830	-	170	-					
Mn-54 (approx.310 days)	ND	5.7	-	ND	-					
Co-60 (approx.5 years)	ND	ND	-	ND	-					
Tc-99m (approx.6 hours)	ND	ND	-	ND	-					
Ag-110m (approx.250 days)	ND	ND	-	ND	-					
Sb-125 (approx.3 years)	ND	ND	-	ND	-					
Te-129 (approx.70 minutes)	ND	ND	-	ND	-					
Te-129m (approx.34 days)	ND	ND	-	ND	-					
Cs-136 (approx.13 days)	ND	ND	-	ND	-					
Ba-140 (approx.13 days)	ND	ND	-	ND	-					
La-140 (approx.40 hours)	ND	ND	-	ND	-					

* "ND" means the sampled data is below measurable limit. The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 8Bq/kg• moist soil。
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Nuclide analysis results of ocean soil < 2/2 >

Place of Sampling	8km offshore of Iwasawa shore				
Time of Sampling	Mar 01, 2012 (Not sampled)				
Detected Nuclides (Half-life)		Radic	pactivity density (Bq/kg• moi	st soil)	
I-131 (about 8 days)	-				
Cs-134 (about 2 years)	-				
Cs-137 (about 30 years)	-				
Mn-54 (approx.310 days)	-				
Co-60 (approx.5 years)	-				
Tc-99m (approx.6 hours)	-				
Ag-110m (approx.250 days)	-				
Sb-125 (approx.3 years)	-				
Te-129 (approx.70 minutes)	-				
Te-129m (approx.34 days) Cs-136	-				
Cs-136 (approx.13 days) Ba-140	-				
Ba-140 (approx.13 days) La-140	-				
(approx.40 hours)	-				

[Definite Report] Nuclide analysis of radioactive materials in dropping in and out of Fukushima Daiichi Nuclear Power Station

Place of Sampling	Environment Monitoring Building of Fukushima Daiichi NPS	Aadministrative building of Fukushima Daini NPS			
Time of Sampling	10:20 am Feb 01, 2012 ~ 11:20 am Mar 01, 2012	10:30 am Feb 01, 2012 ~ 11:00 am Mar 01, 2012			
Detected Nuclides (Half-life)			Radioactivity d	ensity (Bq/m2)	
l-131 (about 8 days)	ND	ND			
Cs-134 (about 2 years)	930	200			
Cs-137 (about 30 years)	1,300	270			
Co-60 (approx.5 years)	ND	13			
Nb-95 (approx.35days)	ND	ND			
Tc-99m (approx.6 hours)	ND	ND			
Ag-110m (approx.250days)	ND	ND			
Te-129(approx.70 minutes)	ND	ND			
Te-129m (approx.34 days)	ND	ND			
I-132(approx.2 hours)	ND	ND			
Te-132 (approx.78 hours)	ND	ND			
I-133(approx.21 hours)	ND	ND			
Cs-136 (approx.13 days)	ND	ND			
Ba-140 (approx.13 days)	ND	ND			
La-140 (approx.40 hours)	ND	ND			

* Bq/m2 = MBq/km2

* "ND" means the sampled data is below measurable limit.

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 54Bq/m2.

[Definite Report] Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Unit 1, Fukushima Daiichi <1/2>

Place of Sampling	building (Blo	pside of reactor w-out pannel of side of center)	building (Blo	pside of reactor w-out pannel of side of center)	building (Blo	pside of reactor ow-out pannel of side of center)	Density limit in the air to workers engaged in tasks
Time of Sampling	07 Mar ~ 8:45 am	,	Mar 07, 2012 8:45 am ~ 10:45 am		Mar 07 11:00 am	,	associated with radiation (Bg/cm3) *
Detected Nuclides (Half-life)	density of sample (Bq/cm3)	Scaling Factor (/)	density of sample (Bq/cm3)	Scaling Factor (/)	density of sample (Bq/cm3)	Scaling Factor (/)	(- +)
I-131 (approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (approx. 2 years)	1.3E-05	0.01	1.1E-05	0.01	1.4E-05	0.01	2E-03
Cs-137 (approx. 30 years)	1.8E-05	0.01	1.2E-05	0.00	1.9E-05	0.01	3E-03
Nb-95 (approx.35 days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6 hours)	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 years)	ND	-	ND	-	ND	-	6E-03
Te-129 (approx.70 minutes)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34 days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2 hours)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78 hours)	ND	-	ND	-	ND	-	4E-03
I-133(approx.21 hours)	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 hours)	ND	-	ND	-	ND	-	1E-02

* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

* 0.0E - 0 means 0.0 x 10-0

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* "ND" means the sampled data is below measurable limit.

The detection limits of major three nuclide that are not detected are as follows: Volatile: I-131: approx. 5E-6Bq/cm3, Cs-134: approx. 7E-6Bq/cm3, Cs-137: approx. 8E-6Bq/cm3 Particulate: I-131: approx. 2E-6Bq/cm3

[Definite Report] Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Unit 1, Fukushima Daiichi <2/2>

Place of Sampling	(Blow-out	reactor building pannel of north-							
		side of center)					Density limit in the air to workers engaged in tasks associated with		
Time of Sampling	07 Mar 11:00 am						radiation (Bq/cm3) *		
Detected Nuclides (Half-life)	density of sample (Bq/cm3)	Scaling Factor (/)	density of sample (Bq/cm3)	Scaling Factor (/)	density of sample (Bq/cm3)	Scaling Factor (/)	(240)		
I-131 (approx. 8 days)	ND	-					1E-03		
Cs-134 (approx. 2 years)	2.5E-05	0.01					2E-03		
Cs-137 (approx. 30 years)	3.1E-05	0.01					3E-03		
Nb-95 (approx.35 days)	ND	-					2E-02		
Tc-99m (approx.6 hours)	ND	-					7E-01		
Ru-106 (approx.370 days)	ND	-					6E-04		
Ag-110m (approx.250 days)	4.1E-06	0.00					3E-03		
Sb-125 (approx.3 years)	ND	-					6E-03		
Te-129 (approx.70 minutes)	ND	-					4E-01		
Te-129m (approx.34 days)	ND	-					4E-03		
I-132(approx.2 hours)	ND	-					7E-02		
Te-132 (approx.78 hours)	ND	-					4E-03		
I-133(approx.21 hours)	ND	-					5E-03		
Cs-136 (approx.13 days)	ND	-					1E-02		
Ba-140 (approx.13 days)	ND	-					1E-02		
La-140 (approx.40 hours)	ND	-				\nearrow	1E-02		

* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

* 0.0E - 0 means 0.0 x 10-0

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* "ND" means the sampled data is below measurable limit.

The detection limits of major three nuclide that are not detected are as follows: Volatile: I-131: approx. 3E-6Bq/cm3, Cs-134: approx. 7E-6Bq/cm3, Cs-137: approx. 8E-6Bq/cm3 Particulate: I-131: approx. 2E-6Bq/cm3

[Definite Report] Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Unit 1, Fukushima Daiichi <1/2>

Place of Sampling	Upside of U building (No upper part of rea direc	ortheast side in actor(downward			building (No upper part of rea	nit 3 reactor ortheast side in actor(downward tion))	Density limit in the air to workers	
Time of Sampling	Mar 01 10:50 am -	, 2012 - 11:20 am	Mar 01 10:50 am -	l, 2012 ~ 11:20 am	Mar 01 12:10 pm -	l, 2012 ~ 12:40 pm	engaged in tasks associated with radiation (Bq/cm3) *	
Detected Nuclides (Half-life)	density of sample (Bq/cm3)	Scaling Factor (/)	density of sample (Bq/cm3)	Scaling Factor (/)	density of sample (Bq/cm3)	Scaling Factor (/)		
I-131 (approx. 8 days)	ND	-	ND	-	ND	-	1E-03	
Cs-134 (approx. 2 years)	2.0E-05	0.01	4.8E-05	0.02	2.3E-05	0.01	2E-03	
Cs-137 (approx. 30 years)	1.6E-05	0.01	2.0E-05	0.01	3.1E-05	0.01	3E-03	
Nb-95 (approx.35 days)	ND	-	ND	-	ND	-	2E-02	
Tc-99m (approx.6 hours)	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 years)	ND	-	ND	-	ND	-	6E-03	
Te-129 (approx.70 minutes)	ND	-	ND	-	ND	-	4E-01	
Te-129m (approx.34 days)	ND	-	ND	-	ND	-	4E-03	
I-132(approx.2 hours)	ND	-	ND	-	ND	-	7E-02	
Te-132 (approx.78 hours)	ND	-	ND	-	ND	-	4E-03	
I-133(approx.21 hours)	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 hours)	ND	-	ND	-	ND	-	1E-02	

* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

* 0.0E - 0 means 0.0 x 10-0

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* "ND" means the sampled data is below measurable limit.

The detection limits of major three nuclide that are not detected are as follows: Volatile: I-131: approx. 9E-6Bq/cm3, Cs-134: approx. 2E-5Bq/cm3, Cs-137: approx. 3E-5Bq/cm3 Particulate: I-131: approx. 6E-6Bq/cm3

[Definite Report] Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Unit 1, Fukushima Daiichi <2/2>

Place of Sampling	of reactor (Cro	de in upper part oss direction))	(Around m opening or	reactor building hachine hatch n 3rd floor)	(Around m opening or	nachine hatch n 3rd floor)	Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *	
Time of Sampling	Mar 01 12:10 pm ~			1, 2012 ~ 9:30 am	Mar 01 9:55 ~ 1	, 2012 0:25 am		
Detected Nuclides (Half-life)	density of sample (Bq/cm3)	Scaling Factor (/)	density of sample (Bq/cm3)	Scaling Factor (/)	density of sample (Bq/cm3)	Scaling Factor (/)	(- +)	
I-131 (approx. 8 days)	ND	-	ND	-	ND	-	1E-03	
Cs-134 (approx. 2 years)	5.6E-04	0.28	1.7E-05	0.01	4.3E-05	0.02	2E-03	
Cs-137 (approx. 30 years)	7.6E-04	0.25	1.9E-05	0.01	4.6E-05	0.02	3E-03	
Nb-95 (approx.35 days)	ND	-	ND	-	ND	-	2E-02	
Tc-99m (approx.6hours)	ND	-	ND	-	ND	-	7E-01	
Ru-106 (approx.370 days)	ND	-	ND	-	ND	-	6E-04	
Ag-110m (approx.250 days)	4.2E-05	0.01	ND	-	ND	-	3E-03	
Sb-125 (approx.3 years)	ND	-	ND	-	ND	-	6E-03	
Te-129 (approx.70 minutes)	ND	-	ND	-	ND	-	4E-01	
Te-129m (approx.34 days)	2.8E-04	0.07	ND	-	ND	-	4E-03	
I-132(approx.2 hours)	ND	-	ND	-	ND	-	7E-02	
Te-132 (approx.78 hours)	ND	-	ND	-	ND	-	4E-03	
I-133(approx.21 hours)	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 hours)	ND	-	ND	-	ND	-	1E-02	

* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

* 0.0E - 0 means 0.0 x 10-0

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* "ND" means the sampled data is below measurable limit.

The detection limits of major three nuclide that are not detected are as follows: Volatile: I-131: approx. 9E-6Bq/cm3, Cs-134: approx. 2E-5Bq/cm3, Cs-137: approx. 3E-5Bq/cm3 Particulate: I-131: approx. 9E-6Bq/cm3