Definite Result of Nuclides Analysis at Fukushima Daiichi Nuclear Power Station (Announced on May 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 Location	May															
	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 Seaside of Fukushima Nuclear Power Stations				-						-						
Nuclides Analysis Result of Radioactive Materials in the Seawater < Coast >	-	-	-	-			-	-	-	-	-	-	-	-	-	
Nuclides Analysis Result of Radioactive Materials in the Seawater < Offshore >														-		
Nuclides Analysis Result of Radioactive Materials in the Seawater < Offshore Remeasurement >																
Nuclides Analysis Result of the Radioactive Materials in the Seawater < Offshore of Ibaraki Prefecture >								-								
Nuclides Analysis Result of Radioactive Materials in the Seawater < Offshore of Miyagi prefecture >																
Nuclides Analysis Result of the Radioactive Materials in the Seawater of the Port	○	○	○	○	-	-	○	-	-	-	-	-	-	-	-	
Nuclides Analysis Result of the Radioactive Materials in the Seawater of Unit 5-6 Intake																
Nuclides Analysis Result of the Sub-drain of Fukushima Daiichi NPS	-		-		-	-		-		-		-			-	
Nuclides Analysis Result of Marine Soil			-							-		-				
Nuclides Analysis Result of the Sub-drain Water in the Surroundings of the "Centralized Radiation 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】 Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS < 1/3 >

Place of Sampling	Shallow Draft Quay at 1F				Inside Unit 1-4 Water Intake Canal (North) at 1F				Unit 1 Screen at 1F (Outside the Silt Fence)		Unit 1 Screen at 1F (Inside the Silt Fence)		② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Time of Sampling	Apr 30, 2012 7:22 AM		N/A		Apr 30, 2012 7:30 AM		Apr 30, 2012 4:30 PM		Apr 30, 2012 7:40 AM		Apr 30, 2012 7:41 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (Approx. 2 years)	4.7	0.08	-	-	9.3	0.16	14	0.23	12	0.20	12	0.20	60
Cs-137 (Approx. 30 years)	6.6	0.07	-	-	15	0.17	20	0.22	17	0.19	18	0.20	90
Mn-54 (Approx. 310 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (Approx. 5 years)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (Approx. 6 hrs)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (Approx. 34 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (Approx. 70 mins)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (Approx. 13 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (Approx. 13 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (Approx. 40 hrs)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	400

* The density specified by the Reactor Regulation is converted from Bq/cm ^{3} to Bq/L.

* 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 of the major three nuclides not detected are as follows: I-131: Approx. 2Bq/L
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】 Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS < 2/3 >

Place of Sampling	Unit 2 Screen at 1F (Outside the Silt Fence)		Unit 2 Screen at 1F (Inside the Silt Fence)		Unit 3 Screen at 1F (Outside the Silt Fence)		Unit 3 Screen at 1F (Inside the Silt Fence)		Unit 4 Screen at 1F (Outside the Silt Fence)		Unit 4 Screen at 1F (Inside the Silt Fence)		② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Time of Sampling	Apr 30, 2012 7:50 AM		Apr 30, 2012 7:52 AM		Apr 30, 2012 8:00 AM		Apr 30, 2012 8:02 AM		Apr 30, 2012 8:03 AM		Apr 30, 2012 8:05 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (Approx. 2 years)	9.5	0.16	19	0.32	11	0.18	180	3.0	ND	-	22	0.37	60
Cs-137 (Approx. 30 years)	15	0.17	34	0.38	15	0.17	250	2.8	29	0.32	34	0.38	90
Mn-54 (Approx. 310 days)	ND	-	1.1	0.00	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (Approx. 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (Approx. 6 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (Approx. 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (Approx. 70 mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (Approx. 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (Approx. 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (Approx. 40 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* The density specified by the Reactor Regulation is converted from Bq/cm ^{3} to Bq/L.

* 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 of the major three nuclides not detected are as follows: I-131: Approx. 13Bq/L, Cs-134: Approx.19Bq/L

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】 Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS < 3/3 >

Place of Sampling	Inside Unit 1-4 Water Intake Canal (South) at 1F		Port Entrance of Fukushima Daiichi NPS		In Front of Unit 6 Water Intake Canal at 1F								② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Time of Sampling	Apr 30, 2012 8:10 AM		N/A		N/A								
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	-	-	-	-							40
Cs-134 (Approx. 2 years)	11	0.18	-	-	-	-							60
Cs-137 (Approx. 30 years)	17	0.19	-	-	-	-							90
Mn-54 (Approx. 310 days)	ND	-	-	-	-	-							1,000
Co-60 (Approx. 5 years)	ND	-	-	-	-	-							200
Tc-99m (Approx. 6 hrs)	ND	-	-	-	-	-							40,000
Te-129m (Approx. 34 days)	ND	-	-	-	-	-							300
Te-129 (Approx. 70 mins)	ND	-	-	-	-	-							10,000
Cs-136 (Approx. 13 days)	ND	-	-	-	-	-							300
Ba-140 (Approx. 13 days)	ND	-	-	-	-	-							300
La-140 (Approx. 40 hrs)	ND	-	-	-	-	-							400

* The density specified by the Reactor Regulation is converted from Bq/cm ^{3} to Bq/L.

* 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 of the major three nuclides not detected are as follows: I-131: Approx. 1Bq/L
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】 Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS < 1/3 >

Place of Sampling	Shallow Draft Quay at 1F				Inside Unit 1-4 Water Intake Canal (North) at 1F				Unit 1 Screen at 1F (Outside the Silt Fence)		Unit 1 Screen at 1F (Inside the Silt Fence)		② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Time of Sampling	May 1, 2012 6:30 AM		N/A		May 1, 2012 6:37 AM		May 1, 2012 4:15 PM		May 1, 2012 6:42 AM		May 1, 2012 6:45 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (Approx. 2 years)	ND	-	-	-	8.8	0.15	8.1	0.14	11	0.18	11	0.18	60
Cs-137 (Approx. 30 years)	3.0	0.03	-	-	11	0.12	12	0.13	13	0.14	15	0.17	90
Mn-54 (Approx. 310 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (Approx. 5 years)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (Approx. 6 hrs)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (Approx. 34 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (Approx. 70 mins)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (Approx. 13 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (Approx. 13 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (Approx. 40 hrs)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	400

* The density specified by the Reactor Regulation is converted from Bq/cm ^{3} to Bq/L.

* 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 of the major three nuclides not detected are as follows: I-131: Approx. 1Bq/L, Cs-134: Approx.2Bq/L
As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detec

【Definite Report】 Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS < 2/3 >

Place of Sampling	Unit 2 Screen at 1F (Outside the Silt Fence)		Unit 2 Screen at 1F (Inside the Silt Fence)		Unit 3 Screen at 1F (Outside the Silt Fence)		Unit 3 Screen at 1F (Inside the Silt Fence)		Unit 4 Screen at 1F (Outside the Silt Fence)		Unit 4 Screen at 1F (Inside the Silt Fence)		② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Time of Sampling	May 1, 2012 6:48 AM		May 1, 2012 6:50 AM		May 1, 2012 6:56 AM		May 1, 2012 6:58 AM		May 1, 2012 6:57 AM		May 1, 2012 7:00 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (Approx. 2 years)	11	0.18	32	0.53	12	0.20	66	1.1	24	0.40	41	0.68	60
Cs-137 (Approx. 30 years)	19	0.21	45	0.50	18	0.20	83	0.92	52	0.58	54	0.60	90
Mn-54 (Approx. 310 days)	ND	-	1.2	0.00	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (Approx. 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (Approx. 6 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (Approx. 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (Approx. 70 mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (Approx. 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (Approx. 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (Approx. 40 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* The density specified by the Reactor Regulation is converted from Bq/cm ^{3} to Bq/L.

* 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 of the major three nuclides not detected are as follows: I-131: Approx. 11Bq/L
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】 Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS < 3/3 >

Place of Sampling	Inside Unit 1-4 Water Intake Canal (South) at 1F		Port Entrance of Fukushima Daiichi NPS		In Front of Unit 6 Water Intake Canal at 1F								② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Time of Sampling	May 1, 2012 7:05 AM		N/A		May 1, 2012 8:50 AM								
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	-	-	ND	-							40
Cs-134 (Approx. 2 years)	16	0.27	-	-	3.4	0.06							60
Cs-137 (Approx. 30 years)	24	0.27	-	-	3.3	0.04							90
Mn-54 (Approx. 310 days)	ND	-	-	-	ND	-							1,000
Co-60 (Approx. 5 years)	ND	-	-	-	ND	-							200
Tc-99m (Approx. 6 hrs)	ND	-	-	-	ND	-							40,000
Te-129m (Approx. 34 days)	ND	-	-	-	ND	-							300
Te-129 (Approx. 70 mins)	ND	-	-	-	ND	-							10,000
Cs-136 (Approx. 13 days)	ND	-	-	-	ND	-							300
Ba-140 (Approx. 13 days)	ND	-	-	-	ND	-							300
La-140 (Approx. 40 hrs)	ND	-	-	-	ND	-							400

* The density specified by the Reactor Regulation is converted from Bq/cm ^{3} to Bq/L.

* 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 of the major three nuclides not detected are as follows: I-131: Approx. 2Bq/L
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】 Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS < 1/3 >

Place of Sampling	Shallow Draft Quay at 1F				Inside Unit 1-4 Water Intake Canal (North) at 1F				Unit 1 Screen at 1F (Outside the Silt Fence)		Unit 1 Screen at 1F (Inside the Silt Fence)		② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Time of Sampling	May 2, 2012 6:28 AM		N/A		May 2, 2012 6:35 AM		May 2, 2012 5:00 PM		May 2, 2012 6:44 AM		May 2, 2012 6:47 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (Approx. 2 years)	26	0.43	-	-	11	0.18	11	0.18	9.4	0.16	13	0.22	60
Cs-137 (Approx. 30 years)	36	0.40	-	-	16	0.18	12	0.13	14	0.16	21	0.23	90
Mn-54 (Approx. 310 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (Approx. 5 years)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (Approx. 6 hrs)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (Approx. 34 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (Approx. 70 mins)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (Approx. 13 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (Approx. 13 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (Approx. 40 hrs)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	400

* The density specified by the Reactor Regulation is converted from Bq/cm ^{3} to Bq/L.

* 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 of the major three nuclides not detected are as follows: I-131: Approx. 2Bq/L
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】 Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS < 2/3 >

Place of Sampling	Unit 2 Screen at 1F (Outside the Silt Fence)		Unit 2 Screen at 1F (Inside the Silt Fence)		Unit 3 Screen at 1F (Outside the Silt Fence)		Unit 3 Screen at 1F (Inside the Silt Fence)		Unit 4 Screen at 1F (Outside the Silt Fence)		Unit 4 Screen at 1F (Inside the Silt Fence)		② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Time of Sampling	May 2, 2012 6:49 AM		May 2, 2012 6:53 AM		May 2, 2012 6:56 AM		May 2, 2012 6:59 AM		May 2, 2012 6:58 AM		May 2, 2012 7:03 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (Approx. 2 years)	11	0.18	31	0.52	12	0.20	96	1.6	ND	-	ND	-	60
Cs-137 (Approx. 30 years)	16	0.18	45	0.50	15	0.17	150	1.7	ND	-	53	0.59	90
Mn-54 (Approx. 310 days)	ND	-	1.7	0.00	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (Approx. 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (Approx. 6 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (Approx. 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (Approx. 70 mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (Approx. 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (Approx. 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (Approx. 40 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* The density specified by the Reactor Regulation is converted from Bq/cm ^{3} to Bq/L.

* 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 of the major three nuclides not detected are as follows: I-131: Approx. 10Bq/L, Cs-134: Approx.22Bq/L, Cs-137: Approx.27Bq/L

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】 Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS < 3/3 >

Place of Sampling	Inside Unit 1-4 Water Intake Canal (South) at 1F		Port Entrance of Fukushima Daiichi NPS		In Front of Unit 6 Water Intake Canal at 1F								② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Time of Sampling	May 2, 2012 7:05 AM		N/A		N/A								
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	-	-	-	-							40
Cs-134 (Approx. 2 years)	29	0.48	-	-	-	-							60
Cs-137 (Approx. 30 years)	42	0.47	-	-	-	-							90
Mn-54 (Approx. 310 days)	ND	-	-	-	-	-							1,000
Co-60 (Approx. 5 years)	ND	-	-	-	-	-							200
Tc-99m (Approx. 6 hrs)	ND	-	-	-	-	-							40,000
Te-129m (Approx. 34 days)	ND	-	-	-	-	-							300
Te-129 (Approx. 70 mins)	ND	-	-	-	-	-							10,000
Cs-136 (Approx. 13 days)	ND	-	-	-	-	-							300
Ba-140 (Approx. 13 days)	ND	-	-	-	-	-							300
La-140 (Approx. 40 hrs)	ND	-	-	-	-	-							400

* The density specified by the Reactor Regulation is converted from Bq/cm ^{3} to Bq/L.

* 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 of the major three nuclides not detected are as follows: I-131: Approx. 1Bq/L
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】 Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS < 1/3 >

Place of Sampling	Shallow Draft Quay at 1F				Inside Unit 1-4 Water Intake Canal (North) at 1F				Unit 1 Screen at 1F (Outside the Silt Fence)		Unit 1 Screen at 1F (Inside the Silt Fence)		② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Time of Sampling	May 3, 2012 6:55 AM		N/A		May 3, 2012 7:03 AM		N/A		May 3, 2012 7:05 AM		May 3, 2012 7:10 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	-	-	ND	-	-	-	ND	-	ND	-	40
Cs-134 (Approx. 2 years)	3.7	0.06	-	-	14	0.23	-	-	11	0.18	15	0.25	60
Cs-137 (Approx. 30 years)	6.7	0.07	-	-	19	0.21	-	-	16	0.18	21	0.23	90
Mn-54 (Approx. 310 days)	ND	-	-	-	ND	-	-	-	ND	-	ND	-	1,000
Co-60 (Approx. 5 years)	ND	-	-	-	ND	-	-	-	ND	-	ND	-	200
Tc-99m (Approx. 6 hrs)	ND	-	-	-	ND	-	-	-	ND	-	ND	-	40,000
Te-129m (Approx. 34 days)	ND	-	-	-	ND	-	-	-	ND	-	ND	-	300
Te-129 (Approx. 70 mins)	ND	-	-	-	ND	-	-	-	ND	-	ND	-	10,000
Cs-136 (Approx. 13 days)	ND	-	-	-	ND	-	-	-	ND	-	ND	-	300
Ba-140 (Approx. 13 days)	ND	-	-	-	ND	-	-	-	ND	-	ND	-	300
La-140 (Approx. 40 hrs)	ND	-	-	-	ND	-	-	-	ND	-	ND	-	400

* The density specified by the Reactor Regulation is converted from Bq/cm ^{3} to Bq/L.

* 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 of the major three nuclides not detected are as follows: I-131: Approx. 1Bq/L
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】 Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS < 2/3 >

Place of Sampling	Unit 2 Screen at 1F (Outside the Silt Fence)		Unit 2 Screen at 1F (Inside the Silt Fence)		Unit 3 Screen at 1F (Outside the Silt Fence)		Unit 3 Screen at 1F (Inside the Silt Fence)		Unit 4 Screen at 1F (Outside the Silt Fence)		Unit 4 Screen at 1F (Inside the Silt Fence)		② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Time of Sampling	May 3, 2012 7:14 AM		May 3, 2012 7:16 AM		May 3, 2012 7:23 AM		May 3, 2012 7:26 AM		May 3, 2012 7:23 AM		May 3, 2012 7:26 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (Approx. 2 years)	12	0.20	40	0.67	14	0.23	300	5.0	ND	-	63	1.1	60
Cs-137 (Approx. 30 years)	20	0.22	57	0.63	20	0.22	460	5.1	ND	-	120	1.3	90
Mn-54 (Approx. 310 days)	ND	-	1.0	0.00	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (Approx. 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (Approx. 6 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (Approx. 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (Approx. 70 mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (Approx. 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (Approx. 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (Approx. 40 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* The density specified by the Reactor Regulation is converted from Bq/cm ^{3} to Bq/L.

* 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 of the major three nuclides not detected are as follows: I-131: Approx. 14Bq/L, Cs-134: Approx.22Bq/L, Cs-137: Approx.27Bq/L
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】 Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS < 3/3 >

Place of Sampling	Inside Unit 1-4 Water Intake Canal (South) at 1F		Port Entrance of Fukushima Daiichi NPS		In Front of Unit 6 Water Intake Canal at 1F								② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Time of Sampling	May 3, 2012 7:35 AM		N/A		N/A								
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	-	-	-	-							40
Cs-134 (Approx. 2 years)	14	0.23	-	-	-	-							60
Cs-137 (Approx. 30 years)	22	0.24	-	-	-	-							90
Mn-54 (Approx. 310 days)	ND	-	-	-	-	-							1,000
Co-60 (Approx. 5 years)	ND	-	-	-	-	-							200
Tc-99m (Approx. 6 hrs)	ND	-	-	-	-	-							40,000
Te-129m (Approx. 34 days)	ND	-	-	-	-	-							300
Te-129 (Approx. 70 mins)	ND	-	-	-	-	-							10,000
Cs-136 (Approx. 13 days)	ND	-	-	-	-	-							300
Ba-140 (Approx. 13 days)	ND	-	-	-	-	-							300
La-140 (Approx. 40 hrs)	ND	-	-	-	-	-							400

* The density specified by the Reactor Regulation is converted from Bq/cm ^{3} to Bq/L.

* 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 of the major three nuclides not detected are as follows: I-131: Approx. 2Bq/L
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】 Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS < 1/3 >

Place of Sampling	Shallow Draft Quay at 1F				Inside Unit 1-4 Water Intake Canal (North) at 1F				Unit 1 Screen at 1F (Outside the Silt Fence)		Unit 1 Screen at 1F (Inside the Silt Fence)		② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Time of Sampling	May 6, 2012 6:59 AM		N/A		May 6, 2012 7:05 AM		May 6, 2012 4:40 PM		May 6, 2012 7:12 AM		May 6, 2012 7:12 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (Approx. 2 years)	3.9	0.07	-	-	5.0	0.08	3.1	0.05	3.9	0.07	4.0	0.07	60
Cs-137 (Approx. 30 years)	4.9	0.05	-	-	6.2	0.07	4.3	0.05	7.8	0.09	6.7	0.07	90
Mn-54 (Approx. 310 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (Approx. 5 years)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (Approx. 6 hrs)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (Approx. 34 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (Approx. 70 mins)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (Approx. 13 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (Approx. 13 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (Approx. 40 hrs)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	400

* The density specified by the Reactor Regulation is converted from Bq/cm ^{3} to Bq/L.

* 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 of the major three nuclides not detected are as follows: I-131: Approx. 1Bq/L
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】 Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS < 2/3 >

Place of Sampling	Unit 2 Screen at 1F (Outside the Silt Fence)		Unit 2 Screen at 1F (Inside the Silt Fence)		Unit 3 Screen at 1F (Outside the Silt Fence)		Unit 3 Screen at 1F (Inside the Silt Fence)		Unit 4 Screen at 1F (Outside the Silt Fence)		Unit 4 Screen at 1F (Inside the Silt Fence)		② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Time of Sampling	May 6, 2012 2:40 PM		May 6, 2012 2:38 PM		May 6, 2012 7:24 AM		May 6, 2012 10:53 AM		May 6, 2012 7:29 AM		May 6, 2012 7:29 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (Approx. 2 years)	5.6	0.09	16	0.27	5.9	0.10	44	0.73	ND	-	25	0.42	60
Cs-137 (Approx. 30 years)	8.7	0.10	23	0.26	8.3	0.09	71	0.79	ND	-	47	0.52	90
Mn-54 (Approx. 310 days)	ND	-	0.77	0.00	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (Approx. 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (Approx. 6 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (Approx. 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (Approx. 70 mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (Approx. 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (Approx. 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (Approx. 40 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* The density specified by the Reactor Regulation is converted from Bq/cm ^{3} to Bq/L.

* 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 of the major three nuclides not detected are as follows: I-131: Approx. 12Bq/L, Cs-134: Approx.18Bq/L, Cs-137: Approx.23Bq/L
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】 Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS < 3/3 >

Place of Sampling	Inside Unit 1-4 Water Intake Canal (South) at 1F		Port Entrance of Fukushima Daiichi NPS		In Front of Unit 6 Water Intake Canal at 1F								② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Time of Sampling	May 6, 2012 7:35 AM		N/A		N/A								
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	-	-	-	-							40
Cs-134 (Approx. 2 years)	22	0.37	-	-	-	-							60
Cs-137 (Approx. 30 years)	34	0.38	-	-	-	-							90
Mn-54 (Approx. 310 days)	ND	-	-	-	-	-							1,000
Co-60 (Approx. 5 years)	ND	-	-	-	-	-							200
Tc-99m (Approx. 6 hrs)	ND	-	-	-	-	-							40,000
Te-129m (Approx. 34 days)	ND	-	-	-	-	-							300
Te-129 (Approx. 70 mins)	ND	-	-	-	-	-							10,000
Cs-136 (Approx. 13 days)	ND	-	-	-	-	-							300
Ba-140 (Approx. 13 days)	ND	-	-	-	-	-							300
La-140 (Approx. 40 hrs)	ND	-	-	-	-	-							400

* The density specified by the Reactor Regulation is converted from Bq/cm ^{3} to Bq/L.

* 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 of the major three nuclides not detected are as follows: I-131: Approx. 2Bq/L
As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.