【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations <1/2>

Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/1 7:00～12:00		2011/11/1 9:43:～9:53				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	ND	-	ND	-			2E-03
Cs-137 (about 30 years)	ND	-	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129 (approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132 (approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133 (approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".
The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows:
Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3
Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3
The detection limits of major three nuclide that are not detected at MP-1 of Fukushima Daini NPP are as follows:
Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3
Particulate: I-131: approx. 1E-6Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 1E-6Bq/cm3

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations <2/2>

Place of Sampling	Fukushima Daiichi MP-1		Fukushima Daiichi MP-3		Fukushima Daiichi MP-8		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/1 10:47～15:47		2011/11/1 10:13～15:13		2011/11/1 10:26～15:26		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	2E-03
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129 (approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	4E-03
I-133 (approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".

The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows:
Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3
Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

The detection limits of major three nuclide that are not detected at MP-1 of Fukushima Daini NPP are as follows:
Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3
Particulate: I-131: approx. 1E-6Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 1E-6Bq/cm3

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations <1/2>

Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/2 7:00～12:00		2011/11/2 9:39～9:49				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	ND	-	ND	-			2E-03
Cs-137 (about 30 years)	ND	-	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129 (approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132 (approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133 (approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".
The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows:
Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3
Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3
The detection limits of major three nuclide that are not detected at MP-1 of Fukushima Daini NPP are as follows:
Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3
Particulate: I-131: approx. 1E-6Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 1E-6Bq/cm3

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations <2/2>

Place of Sampling	North Side Slope of Fukushima Daiichi Unit 1		West Side Slope of Fukushima Daiichi Unit 1 & 2		West Side Slope of Fukushima Daiichi Unit 3 & 4		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/2 9:21～14:21		2011/11/2 9:30～14:30		2011/11/2 9:35～14:35		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	2E-03
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129 (approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	4E-03
I-133 (approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".

The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows:
Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3
Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

The detection limits of major three nuclide that are not detected at MP-1 of Fukushima Daini NPP are as follows:
Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3
Particulate: I-131: approx. 1E-6Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 1E-6Bq/cm3

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the seaside of the sites of Fukushima Nuclear Power Stations

Place of Sampling	At the Surface of South seawall of Fukushima Daiichi		At the top of Mega Float located at Fukushima Daiichi				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/1 19:00～24:00		2011/11/1 19:00～24:00				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	3.7E-07	0.00	ND	-			2E-03
Cs-137 (about 30 years)	3.4E-07	0.00	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129 (approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132 (approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133 (approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".

The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows:
Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3
Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

The detection limits of major three nuclide that are not detected at MP-1 of Fukushima Daini NPP are as follows:
Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3
Particulate: I-131: approx. 1E-6Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 1E-6Bq/cm3

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/3 7:00～12:00		2011/11/3 9:14～9:23				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	ND	-	ND	-			2E-03
Cs-137 (about 30 years)	ND	-	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129 (approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132 (approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133 (approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".

The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows:
Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3
Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

The detection limits of major three nuclide that are not detected at MP-1 of Fukushima Daini NPP are as follows:
Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3
Particulate: I-131: approx. 1E-6Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 1E-6Bq/cm3

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air
at the seaside in front of the site of Fukushima Daiiichi Nuclear Power Station＜1/2＞

Place of Sampling	2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/1 (Not sampled)		2011/11/1 (Not sampled)		2011/11/1 (Not sampled)		2011/11/1 (Not sampled)		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	-	-	-	-	-	-	-	-	1E-03
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	2E-03
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	3E-03
Nb-95 (approx.35days)	-	-	-	-	-	-	-	-	2E-02
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	7E-01
Ag-110m (approx.250days)	-	-	-	-	-	-	-	-	3E-03
Te-129 (approx.70mins)	-	-	-	-	-	-	-	-	4E-01
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	4E-03
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	7E-02
Te-132 (approx.78hrs)	-	-	-	-	-	-	-	-	4E-03
I-133 (approx.21hrs)	-	-	-	-	-	-	-	-	5E-03
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
Ba-140 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
La-140 (approx.40hrs)	-	-	-	-	-	-	-	-	1E-02

* O.OE－O means O.O x 10-O

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air
at the seaside in front of the site of Fukushima Daiiichi Nuclear Power Station＜2/2＞

Place of Sampling	2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/2 (Not sampled)		2011/11/2 (Not sampled)		2011/11/2 (Not sampled)		2011/11/2 (Not sampled)		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	-	-	-	-	-	-	-	-	1E-03
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	2E-03
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	3E-03
Nb-95 (approx.35days)	-	-	-	-	-	-	-	-	2E-02
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	7E-01
Ag-110m (approx.250days)	-	-	-	-	-	-	-	-	3E-03
Te-129 (approx.70mins)	-	-	-	-	-	-	-	-	4E-01
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	4E-03
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	7E-02
Te-132 (approx.78hrs)	-	-	-	-	-	-	-	-	4E-03
I-133 (approx.21hrs)	-	-	-	-	-	-	-	-	5E-03
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
Ba-140 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
La-140 (approx.40hrs)	-	-	-	-	-	-	-	-	1E-02

* O.OE－O means O.O x 10-O

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/4 7:00～12:00		2011/11/4 9:10～9:20				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	ND	-	ND	-			2E-03
Cs-137 (about 30 years)	ND	-	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129 (approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132 (approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133 (approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".
The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows:
Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3
Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3
The detection limits of major three nuclide that are not detected at MP-1 of Fukushima Daini NPP are as follows:
Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3
Particulate: I-131: approx. 1E-6Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 1E-6Bq/cm3

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the seaside in front of the site of Fukushima Daiiichi Nuclear Power Station

Place of Sampling	2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/3 (Not sampled)		2011/11/3 (Not sampled)		2011/11/3 (Not sampled)		2011/11/3 (Not sampled)		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	-	-	-	-	-	-	-	-	1E-03
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	2E-03
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	3E-03
Nb-95 (approx.35days)	-	-	-	-	-	-	-	-	2E-02
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	7E-01
Ag-110m (approx.250days)	-	-	-	-	-	-	-	-	3E-03
Te-129 (approx.70mins)	-	-	-	-	-	-	-	-	4E-01
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	4E-03
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	7E-02
Te-132 (approx.78hrs)	-	-	-	-	-	-	-	-	4E-03
I-133 (approx.21hrs)	-	-	-	-	-	-	-	-	5E-03
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
Ba-140 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
La-140 (approx.40hrs)	-	-	-	-	-	-	-	-	1E-02

* O.OE－O means O.O x 10-O

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/5 7:00～12:00		2011/11/5 8:54～9:04				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	ND	-	ND	-			2E-03
Cs-137 (about 30 years)	ND	-	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129 (approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132 (approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133 (approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

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

* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".

The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows:

Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3

Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

The detection limits of major three nuclide that are not detected at MP-1 of Fukushima Daini NPP are as follows:

Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3

Particulate: I-131: approx. 1E-6Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 1E-6Bq/cm3

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the seaside in front of the site of Fukushima Daiiichi Nuclear Power Station

Place of Sampling	2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/4 (Not sampled)		2011/11/4 (Not sampled)		2011/11/4 (Not sampled)		2011/11/4 (Not sampled)		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	-	-	-	-	-	-	-	-	1E-03
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	2E-03
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	3E-03
Nb-95 (approx.35days)	-	-	-	-	-	-	-	-	2E-02
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	7E-01
Ag-110m (approx.250days)	-	-	-	-	-	-	-	-	3E-03
Te-129 (approx.70mins)	-	-	-	-	-	-	-	-	4E-01
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	4E-03
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	7E-02
Te-132 (approx.78hrs)	-	-	-	-	-	-	-	-	4E-03
I-133 (approx.21hrs)	-	-	-	-	-	-	-	-	5E-03
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
Ba-140 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
La-140 (approx.40hrs)	-	-	-	-	-	-	-	-	1E-02

* O.OE－O means O.O x 10-O

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/6 7:00～12:00		2011/11/6 9:23～9:33				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	ND	-	ND	-			2E-03
Cs-137 (about 30 years)	ND	-	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129 (approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132 (approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133 (approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

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

* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".

The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows:

Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3

Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

The detection limits of major three nuclide that are not detected at MP-1 of Fukushima Daini NPP are as follows:

Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3

Particulate: I-131: approx. 1E-6Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 1E-6Bq/cm3

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the seaside in front of the site of Fukushima Daiichi Nuclear Power Station

Place of Sampling	2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/5 (Not sampled)		2011/11/5 (Not sampled)		2011/11/5 (Not sampled)		2011/11/5 (Not sampled)		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	-	-	-	-	-	-	-	-	1E-03
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	2E-03
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	3E-03
Nb-95 (approx.35days)	-	-	-	-	-	-	-	-	2E-02
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	7E-01
Ag-110m (approx.250days)	-	-	-	-	-	-	-	-	3E-03
Te-129 (approx.70mins)	-	-	-	-	-	-	-	-	4E-01
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	4E-03
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	7E-02
Te-132 (approx.78hrs)	-	-	-	-	-	-	-	-	4E-03
I-133 (approx.21hrs)	-	-	-	-	-	-	-	-	5E-03
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
Ba-140 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
La-140 (approx.40hrs)	-	-	-	-	-	-	-	-	1E-02

* O.OE－O means O.O x 10-O

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/7 7:00～12:00		2011/11/7 9:20～9:30				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	ND	-	ND	-			2E-03
Cs-137 (about 30 years)	ND	-	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129 (approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132 (approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133 (approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".

The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows:
Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3
Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

The detection limits of major three nuclide that are not detected at MP-1 of Fukushima Daini NPP are as follows:
Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3
Particulate: I-131: approx. 1E-6Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 1E-6Bq/cm3

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the seaside in front of the site of Fukushima Daiiichi Nuclear Power Station

Place of Sampling	2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/6 (Not sampled)		2011/11/6 (Not sampled)		2011/11/6 (Not sampled)		2011/11/6 (Not sampled)		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	-	-	-	-	-	-	-	-	1E-03
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	2E-03
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	3E-03
Nb-95 (approx.35days)	-	-	-	-	-	-	-	-	2E-02
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	7E-01
Ag-110m (approx.250days)	-	-	-	-	-	-	-	-	3E-03
Te-129 (approx.70mins)	-	-	-	-	-	-	-	-	4E-01
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	4E-03
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	7E-02
Te-132 (approx.78hrs)	-	-	-	-	-	-	-	-	4E-03
I-133 (approx.21hrs)	-	-	-	-	-	-	-	-	5E-03
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
Ba-140 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
La-140 (approx.40hrs)	-	-	-	-	-	-	-	-	1E-02

* O.OE－O means O.O x 10-O

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations <1/2>

Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/8 7:00～12:00		2011/11/8 9:40～9:50				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	ND	-	ND	-			2E-03
Cs-137 (about 30 years)	2.4E-07	0.00	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129 (approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132 (approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133 (approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".
The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows:
Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3
Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3
The detection limits of major three nuclide that are not detected at MP-1 of Fukushima Daini NPP are as follows:
Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3
Particulate: I-131: approx. 1E-6Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 1E-6Bq/cm3

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations <2/2>

Place of Sampling	Fukushima Daiichi MP-1		Fukushima Daiichi MP-3		Fukushima Daiichi MP-8		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/8 9:54～14:54		2011/11/8 9:31～14:31		2011/11/8 9:43～14:43		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	2E-03
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".
The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows:
Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3
Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3
The detection limits of major three nuclide that are not detected at MP-1 of Fukushima Daini NPP are as follows:
Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3
Particulate: I-131: approx. 1E-6Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 1E-6Bq/cm3

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the seaside in front of the site of Fukushima Daiichi Nuclear Power Station

Place of Sampling	2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/7 (Not sampled)		2011/11/7 (Not sampled)		2011/11/7 (Not sampled)		2011/11/7 (Not sampled)		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	-	-	-	-	-	-	-	-	1E-03
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	2E-03
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	3E-03
Nb-95 (approx.35days)	-	-	-	-	-	-	-	-	2E-02
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	7E-01
Ag-110m (approx.250days)	-	-	-	-	-	-	-	-	3E-03
Te-129 (approx.70mins)	-	-	-	-	-	-	-	-	4E-01
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	4E-03
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	7E-02
Te-132 (approx.78hrs)	-	-	-	-	-	-	-	-	4E-03
I-133 (approx.21hrs)	-	-	-	-	-	-	-	-	5E-03
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
Ba-140 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
La-140 (approx.40hrs)	-	-	-	-	-	-	-	-	1E-02

* O.OE－O means O.O x 10-O

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations <1/2>

Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/9 7:00～12:00		2011/11/9 9:48～9:58				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	ND	-	ND	-			2E-03
Cs-137 (about 30 years)	ND	-	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

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

* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".

The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows:

Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3

Particulate: I-131: approx. 6E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

The detection limits of major three nuclide that are not detected at MP-1 of Fukushima Daini NPP are as follows:

Volatile: I-131: approx. 1E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3

Particulate: I-131: approx. 1E-6Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 1E-6Bq/cm3

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations <2/2>

Place of Sampling	mountainside of Unit 1 of Fukushima Daiichi		mountainside of Unit 2 of Fukushima Daiichi		mountainside of Unit 3 of Fukushima Daiichi		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/9 10:08～15:08		2011/11/9 10:11～15:11		N/A		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	-	-	1E-03
Cs-134 (about 2 years)	8.6E-06	0.00	3.1E-06	0.00	-	-	2E-03
Cs-137 (about 30 years)	4.7E-06	0.00	3.8E-06	0.00	-	-	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	-	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	-	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	-	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	-	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	-	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	-	-	7E-02
Te-132 (approx.78hrs)	ND	-	ND	-	-	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	-	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	-	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	-	-	1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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. 2E-6Bq/cm3, Cs-134: approx. 4E-6Bq/cm3, Cs-137: approx. 5E-6Bq/cm3

Particulate: I-131: approx. 1E-6Bq/cm3

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 Radioactive Materials in the Air at the seaside in front of the site of Fukushima Daiiichi Nuclear Power Station

Place of Sampling	2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/8 (Not sampled)		2011/11/8 (Not sampled)		2011/11/8 (Not sampled)		2011/11/8 (Not sampled)		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	-	-	-	-	-	-	-	-	1E-03
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	2E-03
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	3E-03
Nb-95 (approx.35days)	-	-	-	-	-	-	-	-	2E-02
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	7E-01
Ag-110m (approx.250days)	-	-	-	-	-	-	-	-	3E-03
Te-129(approx.70mins)	-	-	-	-	-	-	-	-	4E-01
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	4E-03
I-132(approx.2hrs)	-	-	-	-	-	-	-	-	7E-02
Te-132 (approx.78hrs)	-	-	-	-	-	-	-	-	4E-03
I-133(approx.21hrs)	-	-	-	-	-	-	-	-	5E-03
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
Ba-140 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
La-140 (approx.40hrs)	-	-	-	-	-	-	-	-	1E-02

* O.OE－O means O.O x 10-O

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations＜1/3＞

Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/10 7:00～12:00		2011/11/10 9:37～9:47				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	ND	-	ND	-			2E-03
Cs-137 (about 30 years)	ND	-	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable"

The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows:
Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3
Particulate: I-131: approx. 6E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

The detection limits of major three nuclide that are not detected at MP-1 of Fukushima Daini NPP are as follows:
Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3
Particulate: I-131: approx. 9E-7Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 2E-6Bq/cm3

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations＜2/3＞

Place of Sampling	North Side Slope of Fukushima Daiichi Unit 1		West Side Slope of Fukushima Daiichi Unit 1 & 2		West Side Slope of Fukushima Daiichi Unit 3 & 4		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/10 10:02～15:02		2011/11/10 10:11～15:11		2011/11/10 10:15～15:15		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	2E-03
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* 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. 2E-6Bq/cm3, Cs-134: approx. 4E-6Bq/cm3, Cs-137: approx. 5E-6Bq/cm3

Particulate: I-131: approx. 1E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3

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 Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations＜3/3＞

Place of Sampling	mountainside of Unit 1 of Fukushima Daiichi		mountainside of Unit 2 of Fukushima Daiichi		mountainside of Unit 3 of Fukushima Daiichi		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	N/A		N/A		2011/11/10 10:22～15:22		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	-	-	-	-	ND	-	1E-03
Cs-134 (about 2 years)	-	-	-	-	2.2E-05	0.01	2E-03
Cs-137 (about 30 years)	-	-	-	-	2.2E-05	0.01	3E-03
Nb-95 (approx.35days)	-	-	-	-	ND	-	2E-02
Tc-99m (approx.6hrs)	-	-	-	-	ND	-	7E-01
Ag-110m (approx.250days)	-	-	-	-	ND	-	3E-03
Te-129(approx.70mins)	-	-	-	-	ND	-	4E-01
Te-129m (approx.34days)	-	-	-	-	ND	-	4E-03
I-132(approx.2hrs)	-	-	-	-	ND	-	7E-02
Te-132 (approx.78hrs)	-	-	-	-	ND	-	4E-03
I-133(approx.21hrs)	-	-	-	-	ND	-	5E-03
Cs-136 (approx.13days)	-	-	-	-	ND	-	1E-02
Ba-140 (approx.13days)	-	-	-	-	ND	-	1E-02
La-140 (approx.40hrs)	-	-	-	-	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.
* O.OE－O means O.O x 10-O
* 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. 2E-6Bq/cm3, Cs-134: approx. 4E-6Bq/cm3, Cs-137: approx. 5E-6Bq/cm3

Particulate: I-131: approx. 1E-6Bq/cm3

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 Radioactive Materials in the Air at the seaside of the sites of Fukushima Nuclear Power Stations

Place of Sampling	At the Surface of South seawall of Fukushima Daiichi		At the top of Mega Float located at Fukushima Daiichi				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/9 19:00～24:00		2011/11/9 19:00～24:00				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	2.9E-07	0.00	ND	-			2E-03
Cs-137 (about 30 years)	ND	-	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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. 2E-7Bq/cm3, Cs-134: approx. 4E-7Bq/cm3, Cs-137: approx. 5E-7Bq/cm3

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

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 Radioactive Materials in the Air at the seaside in front of the site of Fukushima Daiiichi Nuclear Power Station

Place of Sampling	2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/9 16:35～17:05		2011/11/9 17:07～17:37		2011/11/9 17:55～18:25		2011/11/9 18:27～18:57		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	5.7E-07	0.00	1.0E-07	0.00	3.2E-08	0.00	1.4E-07	0.00	2E-03
Cs-137 (about 30 years)	7.4E-07	0.00	1.2E-07	0.00	ND	-	1.8E-07	0.00	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs）	ND	-	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	1E-02

* O.OE－O means O.O x 10-O

* 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:
I-131: approx. 4E-8Bq/cm3, Cs-137: approx. 4E-8Bq/cm3
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.
This is the result of nuclides analysis for aerial radioactive particles

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/11 7:00～12:00		2011/11/11 9:36～9:46				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	ND	-	ND	-			2E-03
Cs-137 (about 30 years)	ND	-	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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 de
* O.OE－O means O.O x 10-O
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".

The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows:
Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3
Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

The detection limits of major three nuclide that are not detected at MP-1 of Fukushima Daini NPP are as follows:
Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3
Particulate: I-131: approx. 9E-7Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 1E-6Bq/cm3

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the seaside in front of the site of Fukushima Daiiichi Nuclear Power Station

Place of Sampling	2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/10 16:36～17:06		2011/11/10 17:18～17:48		2011/11/10 17:49～18:19		2011/11/10 18:20～18:50		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	5.8E-08	0.00	8.1E-07	0.00	6.5E-07	0.00	2E-03
Cs-137 (about 30 years)	ND	-	9.5E-08	0.00	9.4E-07	0.00	7.5E-07	0.00	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs）	ND	-	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	1E-02

* O.OE－O means O.O x 10-O

* 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:

I-131: approx. 4E-8Bq/cm3, Cs-134: approx. 3E-8Bq/cm3, Cs-137: approx. 3E-8Bq/cm3

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

This is the result of nuclides analysis for aerial radioactive particles

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/12 7:00～12:00		2011/11/12 9:24～9:34				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	ND	-	ND	-			2E-03
Cs-137 (about 30 years)	ND	-	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".

The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows:
Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 4E-7Bq/cm3
Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

The detection limits of major three nuclide that are not detected at MP-1 of Fukushima Daini NPP are as follows:
Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3
Particulate: I-131: approx. 8E-7Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 1E-6Bq/cm3

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the seaside in front of the site of Fukushima Daiiichi Nuclear Power Station

Place of Sampling	2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/11 6:33～7:03		2011/11/11 7:04～7:34		2011/11/11 7:35～8:05		2011/11/11 8:17～8:47		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	3.2E-08	0.00	ND	-	ND	-	ND	-	2E-03
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	1E-02

* O.OE－O means O.O x 10-O
* 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:
I-131: approx. 2E-8Bq/cm3, Cs-134: approx. 3E-8Bq/cm3, Cs-137: approx. 3E-8Bq/cm3
Please note that these nuclides are sometimes detected even when they are below the limits,
contingent on the detector or samples.
This is the result of nuclides analysis for aerial radioactive particles

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/13 7:00～12:00		2011/11/13 9:04～9:14				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	ND	-	ND	-			2E-03
Cs-137 (about 30 years)	ND	-	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

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

* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".

The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows:

Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3

Particulate: I-131: approx. 6E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

The detection limits of major three nuclide that are not detected at MP-1 of Fukushima Daini NPP are as follows:

Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3

Particulate: I-131: approx. 1E-6Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 2E-6Bq/cm3

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/14 7:00～12:00		2011/11/14 9:24～9:34				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	ND	-	ND	-			2E-03
Cs-137 (about 30 years)	1.9E-07	0.00	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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 d
* O.OE－O means O.O x 10-O
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".

The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows:
Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3
Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3

The detection limits of major three nuclide that are not detected at MP-1 of Fukushima Daini NPP are as follows:
Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 4E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3
Particulate: I-131: approx. 9E-7Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 1E-6Bq/cm3

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the seaside in front of the site of Fukushima Daiiichi Nuclear Power Station

Place of Sampling	2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		2km-3km offshore of Fukushima Daiichi		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/13 7:26～7:56		2011/11/13 7:59～8:29		2011/11/13 8:34～9:04		2011/11/13 9:08～9:38		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	5.4E-08	0.00	ND	-	ND	-	ND	-	2E-03
Cs-137 (about 30 years)	4.3E-08	0.00	ND	-	ND	-	ND	-	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	1E-02

* O.OE－O means O.O x 10-O
* 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:
I-131: approx. 2E-8Bq/cm3, Cs-134: approx. 3E-8Bq/cm3, Cs-137: approx. 3E-8Bq/cm3
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.
This is the result of nuclides analysis for aerial radioactive particles

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations <1/2>

Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/15 7:00～12:00		2011/11/15 9:28～9:38				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	ND	-	ND	-			2E-03
Cs-137 (about 30 years)	ND	-	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

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

* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".

The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows:

Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3

Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

The detection limits of major three nuclide that are not detected at MP-1 of Fukushima Daini NPP are as follows:

Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 3E-6Bq/cm3, Cs-137: approx. 3E-6Bq/cm3

Particulate: I-131: approx. 9E-7Bq/cm3, Cs-134: approx. 1E-6Bq/cm3, Cs-137: approx. 1E-6Bq/cm3

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations <2/2>

Place of Sampling	Fukushima Daiichi MP-1		Fukushima Daiichi MP-3		Fukushima Daiichi MP-8		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/11/15 9:35～14:35		2011/11/15 9:57～14:57		2011/11/15 9:47～14:47		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	2.8E-07	0.00	ND	-	2E-03
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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. 2E-7Bq/cm3, Cs-134: approx. 5E-7Bq/cm3, Cs-137: approx. 5E-7Bq/cm3

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

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 Seawater <Coast>

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 (appox. 330m south of 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)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 01, 2011 08:40 am		Nov 01, 2011 08:20 am		Nov 01, 2011 08:20 am		Nov 01, 2011 07:50 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)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	2.1	0.04	ND	-	1.2	0.02	ND	-	60
Cs-137 (about 30 years)	3.2	0.04	1.2	0.01	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.72Bq/L, Cs-134: approx. 0.87Bq/L, Cs-137: approx. 1.1Bq/L

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 Radioactive Materials in Seawater＜offshore 1/4＞

Place of Sampling	3 km offshore of Haramachi Ward Upper layer		3 km offshore of Haramachi Ward Lower layer		3 km offshore of Odaka Ward Upper layer		3 km offshore of Odaka Ward Lower layer		3 km offshore of Iwasawa shore Upper layer		3 km offshore of Iwasawa shore Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Oct 31, 2011 (Not sampled)		Oct 31, 2011 (Not sampled)		Oct 31, 2011 (Not sampled)		Oct 31, 2011 (Not sampled)		Oct 31, 2011 (Not sampled)		Oct 31, 2011 (Not sampled)		
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 (about 8 days)	-	-	-	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	-	-	-	-	90
Mo-99 （approx. 66hrs）	-	-	-	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Te-129(approx.70mins)	-	-	-	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs ）	-	-	-	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Ba-140(approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
La-140 （approx. 40hrs）	-	-	-	-	-	-	-	-	-	-	-	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

【Definite Report】Nuclide Analysis Results of Radioactive Materials in Seawater＜offshore 2/4＞

Place of Sampling	8 km offshore of Odaka Ward Upper layer		8 km offshore of Odaka Ward Lower layer		8 km offshore of Iwasawa shore Upper layer		8 km offshore of Iwasawa shore Lower layer						② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Oct 31, 2011 (Not sampled)		Oct 31, 2011 (Not sampled)		Oct 31, 2011 (Not sampled)		Oct 31, 2011 (Not sampled)						
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 (about 8 days)	-	-	-	-	-	-	-	-					40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-					60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-					90
Mo-99 （approx. 66hrs）	-	-	-	-	-	-	-	-					1,000
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-					40,000
Te-129m (approx.34days)	-	-	-	-	-	-	-	-					300
Te-129(approx.70mins)	-	-	-	-	-	-	-	-					10,000
Te-132 (approx.78hrs ）	-	-	-	-	-	-	-	-					200
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-					3,000
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-					300
Ba-140(approx.13days)	-	-	-	-	-	-	-	-					300
La-140 （approx. 40hrs）	-	-	-	-	-	-	-	-					400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

【Definite Report】Nuclide Analysis Results of Radioactive Materials in Seawater＜offshore 3/4＞

Place of Sampling	3 km offshore of North of Iwaki Upper layer		3 km offshore of North of Iwaki Lower layer		3 km offshore of Natsui river Upper layer		3 km offshore of Natsui river Lower layer		3 km offshore of Onahama port Upper layer		3 km offshore of Onahama port Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Oct 31, 2011 05:35 am		Oct 31, 2011 05:35 am		Oct 31, 2011 05:55 am		Oct 31, 2011 05:55 am		Oct 31, 2011 (Not sampled)		Oct 31, 2011 (Not sampled)		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	ND	-	ND	-	-	-	-	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	-	-	-	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.72Bq/L, Cs-134: approx. 0.91Bq/L, Cs-137: approx. 1.0Bq/L

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 Radioactive Materials in Seawater＜offshore 4/4＞

Place of Sampling	3 km offshore of Ena Upper layer		3 km offshore of Ena Lower layer		3 km offshore of Numanouchi Upper layer		3 km offshore of Numanouchi Lower layer		3 km offshore of Toyoma Upper layer		3 km offshore of Toyoma Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Oct 31, 2011 (Not sampled)		Oct 31, 2011 (Not sampled)		Oct 31, 2011 06:05 am		Oct 31, 2011 06:05 am		Oct 31, 2011 06:20 am		Oct 31, 2011 06:20 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 (about 8 days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	-	-	-	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs ）	-	-	-	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	-	-	-	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.64Bq/L, Cs-134: approx. 1.0Bq/L, Cs-137: approx. 1.0Bq/L

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 Seawater <Coast>

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 (appox. 330m south of 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)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 02, 2011 08:40 am		Nov 02, 2011 08:20 am		Nov 02, 2011 08:25 am		Nov 02, 2011 07:55 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)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	3.9	0.07	1.4	0.02	1.4	0.02	1.2	0.02	60
Cs-137 (about 30 years)	4.2	0.05	1.6	0.02	1.3	0.01	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.68Bq/L, Cs-137: approx. 1.1Bq/L

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 Radioactive Materials in Seawater＜offshore 1/4＞

Place of Sampling	15 km offshore of Minami-Souma CityUpper layer		15 km offshore of Minami-Souma CityLower layer		15 km offshore of Ukedo-gawa Upper layer		15 km offshore of Ukedo-gawa Lower layer		15 km offshore of Fukushima Daiichi Upper layer		15 km offshore of Fukushima Daiichi Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	N/A		N/A		Nov 01, 2011 (Not sampled)		Nov 01, 2011 (Not sampled)		Nov 01, 2011 09:40 am		Nov 01, 2011 09:40 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 (about 8 days)	-	-	-	-	-	-	-	-	ND	-	ND	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	ND	-	ND	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	-	-	-	-	-	-	-	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	ND	-	ND	-	300
Te-129(approx.70mins)	-	-	-	-	-	-	-	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs ）	-	-	-	-	-	-	-	-	ND	-	ND	-	200
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	ND	-	ND	-	300
Ba-140(approx.13days)	-	-	-	-	-	-	-	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	-	-	-	-	-	-	-	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.66Bq/L, Cs-134: approx. 0.92Bq/L, Cs-137: approx. 1.1Bq/L

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 Radioactive Materials in Seawater＜offshore 2/4＞

Place of Sampling	approx. 15 km offshore of Fukushima Daini Upper Layer		approx. 15 km offshore of Fukushima Daini Lower Layer		15 km offshore of Iwasawa Shore Upper layer		15 km offshore of Iwasawa Shore Lower layer		15 km offshore of Hirono-town Upper layer		15 km offshore of Hirono-town Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 01, 2011 09:10 am		Nov 01, 2011 09:10 am		N/A		N/A		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 (about 8 days)	ND	-	ND	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
Te-129(approx.70mins)	ND	-	ND	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
Ba-140(approx.13days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	-	-	-	-	-	-	-	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.60Bq/L, Cs-134: approx. 0.84Bq/L, Cs-137: approx. 0.99Bq/L

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 Radioactive Materials in Seawater＜offshore 3/4＞

Place of Sampling	3 km offshore of Souma City Upper layer		3 km offshore of Souma City Lower layer		5 km offshore of Souma City Upper layer		5 km offshore of Souma City Lower layer		5 km offshore of Kashima City Upper layer		5 km offshore of Kashima City Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 01, 2011 07:20 am		Nov 01, 2011 07:20 am		Nov 01, 2011 06:55 am		Nov 01, 2011 06:55 am		Nov 01, 2011 06:40 am		Nov 01, 2011 06:40 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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.68Bq/L, Cs-134: approx. 0.96Bq/L, Cs-137: approx. 1.1Bq/L

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 Radioactive Materials in Seawater＜offshore 4/4＞

Place of Sampling	5km Offshore of Numanouchi Upper Layer		5km Offshore of Numanouchi Lower Layer										② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 01, 2011 07:10 am		Nov 01, 2011 07:10 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 (about 8 days)	ND	-	ND	-									40
Cs-134 (about 2 years)	ND	-	ND	-									60
Cs-137 (about 30 years)	ND	-	ND	-									90
Mo-99 （approx. 66hrs）	ND	-	ND	-									1,000
Tc-99m (approx.6hrs)	ND	-	ND	-									40,000
Te-129m (approx.34days)	ND	-	ND	-									300
Te-129(approx.70mins)	ND	-	ND	-									10,000
Te-132 (approx.78hrs ）	ND	-	ND	-									200
I-132 (approx.2hrs)	ND	-	ND	-									3,000
Cs-136 (approx.13days)	ND	-	ND	-									300
Ba-140(approx.13days)	ND	-	ND	-									300
La-140 （approx. 40hrs）	ND	-	ND	-									400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.70Bq/L, Cs-134: approx. 0.83Bq/L, Cs-137: approx. 1.0Bq/L

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 Seawater <Coast>

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 (appox. 330m south of 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)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 03, 2011 09:00 am		Nov 03, 2011 08:35 am		Nov 03, 2011 08:05 am		Nov 03, 2011 07:45 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)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	2.6	0.04	ND	-	1.2	0.02	1.2	0.02	60
Cs-137 (about 30 years)	3.6	0.04	ND	-	ND	-	1.1	0.01	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.70Bq/L, Cs-134: approx. 0.89Bq/L, Cs-137: approx. 1.1Bq/L

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 Radioactive Materials in Seawater＜offshore 1/4＞

Place of Sampling	15 km offshore of Minami-Souma CityUpper layer		15 km offshore of Minami-Souma CityLower layer		15 km offshore of Ukedo-gawa Upper layer		15 km offshore of Ukedo-gawa Lower layer		15 km offshore of Fukushima Daiichi Upper layer		15 km offshore of Fukushima Daiichi Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 02, 2011 08:40 am		Nov 02, 2011 08:40 am		N/A		N/A		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 (about 8 days)	ND	-	ND	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
Te-129(approx.70mins)	ND	-	ND	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
Ba-140(approx.13days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	-	-	-	-	-	-	-	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.61Bq/L, Cs-134: approx. 0.91Bq/L, Cs-137: approx. 0.96Bq/L

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 Radioactive Materials in Seawater＜offshore 2/4＞

Place of Sampling	approx. 15 km offshore of Fukushima Daini Upper Layer		approx. 15 km offshore of Fukushima Daini Lower Layer		15 km offshore of Iwasawa Shore Upper layer		15 km offshore of Iwasawa Shore Lower layer		15 km offshore of Hirono-town Upper layer		15 km offshore of Hirono-town Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	N/A		N/A		Nov 02, 2011 08:40 am		Nov 02, 2011 08:40 am		Nov 02, 2011 09:15 am		Nov 02, 2011 09:15 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 (about 8 days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	-	-	-	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs ）	-	-	-	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	-	-	-	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.63Bq/L, Cs-134: approx. 0.93Bq/L, Cs-137: approx. 0.99Bq/L

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 Radioactive Materials in Seawater＜offshore 3/4＞

Place of Sampling	3 km offshore of Haramachi Ward Upper layer		3 km offshore of Haramachi Ward Lower layer		3 km offshore of Odaka Ward Upper layer		3 km offshore of Odaka Ward Lower layer		3 km offshore of Iwasawa shore Upper layer		3 km offshore of Iwasawa shore Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 02, 2011 09:15 am		Nov 02, 2011 09:15 am		Nov 02, 2011 09:30 am		Nov 02, 2011 09:30 am		Nov 02, 2011 07:45 am		Nov 02, 2011 07:45 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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.64Bq/L, Cs-134: approx. 0.94Bq/L, Cs-137: approx. 1.0Bq/L

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 Radioactive Materials in Seawater＜offshore 4/4＞

Place of Sampling	8 km offshore of Odaka Ward Upper layer		8 km offshore of Odaka Ward Lower layer		8 km offshore of Iwasawa shore Upper layer		8 km offshore of Iwasawa shore Lower layer						② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 02, 2011 08:20 am		Nov 02, 2011 08:20 am		Nov 02, 2011 08:10 am		Nov 02, 2011 08:10 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 (about 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-					60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-					90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-					1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-					300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-					10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	ND	-	ND	-					200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-					300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-					300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-					400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.60Bq/L, Cs-134: approx. 0.93Bq/L, Cs-137: approx. 1.1Bq/L

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 Seawater <Coast>

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 (appox. 330m south of 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)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 04, 2011 08:40 am		Nov 04, 2011 08:20 am		Nov 04, 2011 08:20 am		Nov 04, 2011 07:50 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)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	2.8	0.05	4.0	0.07	ND	-	0.87	0.01	60
Cs-137 (about 30 years)	2.7	0.03	4.5	0.05	ND	-	1.2	0.01	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.72Bq/L, Cs-134: approx. 0.89Bq/L, Cs-137: approx. 1.1Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 1/2>

Place of Sampling	15 km offshore of Minami-Souma CityUpper layer		15 km offshore of Minami-Souma CityLower layer		15 km offshore of Ukedo-gawa Upper layer		15 km offshore of Ukedo-gawa Lower layer		15 km offshore of Fukushima Daiichi Upper layer		15 km offshore of Fukushima Daiichi Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	N/A		N/A		Nov 03, 2011 09:05 am		Nov 03, 2011 09:05 am		Nov 03, 2011 08:15 am		Nov 03, 2011 08:15 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 (about 8 days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	-	-	-	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs ）	-	-	-	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	-	-	-	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.61Bq/L, Cs-134: approx. 0.93Bq/L, Cs-137: approx. 1.0Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 2/2>

Place of Sampling	approx. 15 km offshore of Fukushima Daini Upper Layer		approx. 15 km offshore of Fukushima Daini Lower Layer		15 km offshore of Iwasawa Shore Upper layer		15 km offshore of Iwasawa Shore Lower layer		15 km offshore of Hirono-town Upper layer		15 km offshore of Hirono-town Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 03, 2011 07:40 am		Nov 03, 2011 07:40 am		N/A		N/A		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 (about 8 days)	ND	-	ND	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
Te-129(approx.70mins)	ND	-	ND	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
Ba-140(approx.13days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	-	-	-	-	-	-	-	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.60Bq/L, Cs-134: approx. 0.93Bq/L, Cs-137: approx. 1.0Bq/L

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 Seawater <Coast>

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 (appox. 330m south of 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)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 05, 2011 08:45 am		Nov 05, 2011 08:20 am		Nov 05, 2011 08:20 am		Nov 05, 2011 08:00 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)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	4.8	0.08	1.1	0.02	1.4	0.02	1.0	0.02	60
Cs-137 (about 30 years)	5.8	0.06	2.0	0.02	ND	-	1.1	0.01	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.70Bq/L, Cs-137: approx. 1.1Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 1/2>

Place of Sampling	3 km offshore of Haramachi Ward Upper layer		3 km offshore of Haramachi Ward Lower layer		3 km offshore of Odaka Ward Upper layer		3 km offshore of Odaka Ward Lower layer		3 km offshore of Iwasawa shore Upper layer		3 km offshore of Iwasawa shore Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 04, 2011 09:20 am		Nov 04, 2011 09:20 am		Nov 04, 2011 09:30 am		Nov 04, 2011 09:30 am		Nov 04, 2011 07:15 am		Nov 04, 2011 07:15 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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.88Bq/L, Cs-134: approx. 0.90Bq/L, Cs-137: approx. 1.1Bq/L
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 2/2>

Place of Sampling	8 km offshore of Odaka Ward Upper layer		8 km offshore of Odaka Ward Lower layer		8 km offshore of Iwasawa shore Upper layer		8 km offshore of Iwasawa shore Lower layer						② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 04, 2011 09:00 am		Nov 04, 2011 09:00 am		Nov 04, 2011 07:30 am		Nov 04, 2011 07:30 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 (about 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-					60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-					90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-					1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-					300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-					10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	ND	-	ND	-					200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-					300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-					300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-					400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.61Bq/L, Cs-134: approx. 0.95Bq/L, Cs-137: approx. 1.1Bq/L

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 Seawater <Coast>

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 (appox. 330m south of 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)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 06, 2011 08:40 am		Nov 06, 2011 08:20 am		Nov 06, 2011 08:15 am		Nov 06, 2011 07:50 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)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	5.2	0.09	7.8	0.13	ND	-	ND	-	60
Cs-137 (about 30 years)	5.9	0.07	9.8	0.11	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.81Bq/L, Cs-134: approx. 0.95Bq/L, Cs-137: approx. 1.0Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 1/2>

Place of Sampling	15 km offshore of Minami-Souma CityUpper layer		15 km offshore of Minami-Souma CityLower layer		15 km offshore of Ukedo-gawa Upper layer		15 km offshore of Ukedo-gawa Lower layer		15 km offshore of Fukushima Daiichi Upper layer		15 km offshore of Fukushima Daiichi Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	N/A		N/A		Nov 05, 2011 09:25 am		Nov 05, 2011 09:25 am		Nov 05, 2011 08:40 am		Nov 05, 2011 08:40 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 (about 8 days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	-	-	-	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs ）	-	-	-	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	-	-	-	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.70Bq/L, Cs-134: approx. 0.90Bq/L, Cs-137: approx. 0.99Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 2/2>

Place of Sampling	approx. 15 km offshore of Fukushima Daini Upper Layer		approx. 15 km offshore of Fukushima Daini Lower Layer		15 km offshore of Iwasawa Shore Upper layer		15 km offshore of Iwasawa Shore Lower layer		15 km offshore of Hirono-town Upper layer		15 km offshore of Hirono-town Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 05, 2011 08:10 am		Nov 05, 2011 08:10 am		N/A		N/A		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 (about 8 days)	ND	-	ND	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
Te-129(approx.70mins)	ND	-	ND	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
Ba-140(approx.13days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	-	-	-	-	-	-	-	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.78Bq/L, Cs-134: approx. 0.88Bq/L, Cs-137: approx. 1.0Bq/L

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 Seawater <Coast>

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 (appox. 330m south of 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)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 07, 2011 08:55 am		Nov 07, 2011 08:35 am		Nov 07, 2011 08:25 am		Nov 07, 2011 08:00 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)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	2.8	0.05	1.7	0.03	ND	-	ND	-	60
Cs-137 (about 30 years)	3.2	0.04	2.0	0.02	ND	-	1.9	0.02	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.70Bq/L, Cs-134: approx. 0.98Bq/L, Cs-137: approx. 1.0Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 1/2>

Place of Sampling	3 km offshore of Haramachi Ward Upper layer		3 km offshore of Haramachi Ward Lower layer		3 km offshore of Odaka Ward Upper layer		3 km offshore of Odaka Ward Lower layer		3 km offshore of Iwasawa shore Upper layer		3 km offshore of Iwasawa shore Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 06, 2011 08:50 am		Nov 06, 2011 08:50 am		Nov 06, 2011 08:35 am		Nov 06, 2011 08:35 am		Nov 06, 2011 07:10 am		Nov 06, 2011 07:10 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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.76Bq/L, Cs-134: approx. 0.94Bq/L, Cs-137: approx. 1.1Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 2/2>

Place of Sampling	8 km offshore of Odaka Ward Upper layer		8 km offshore of Odaka Ward Lower layer		8 km offshore of Iwasawa shore Upper layer		8 km offshore of Iwasawa shore Lower layer						② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 06, 2011 08:15 am		Nov 06, 2011 08:15 am		Nov 06, 2011 07:25 am		Nov 06, 2011 07:25 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 (about 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-					60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-					90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-					1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-					300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-					10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	ND	-	ND	-					200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-					300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-					300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-					400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.68Bq/L, Cs-134: approx. 0.90Bq/L, Cs-137: approx. 1.0Bq/L

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 Seawater <Coast>

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 (appox. 330m south of 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)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 08, 2011 08:40 am		Nov 08, 2011 08:15 am		Nov 08, 2011 08:30 am		Nov 08, 2011 08:05 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)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	3.1	0.05	1.9	0.03	1.3	0.02	1.7	0.03	60
Cs-137 (about 30 years)	5.2	0.06	3.9	0.04	1.8	0.02	1.8	0.02	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.65Bq/L
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 Radioactive Materials in Seawater＜offshore 1/4＞

Place of Sampling	15 km offshore of Minami-Souma CityUpper layer		15 km offshore of Minami-Souma CityLower layer		15 km offshore of Ukedo-gawa Upper layer		15 km offshore of Ukedo-gawa Lower layer		15 km offshore of Fukushima Daiichi Upper layer		15 km offshore of Fukushima Daiichi Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	N/A		N/A		Nov 07, 2011 (Not sampled)		Nov 07, 2011 (Not sampled)		Nov 07, 2011 (Not sampled)		Nov 07, 2011 (Not sampled)		
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 (about 8 days)	-	-	-	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	-	-	-	-	90
Mo-99 （approx. 66hrs）	-	-	-	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Te-129(approx.70mins)	-	-	-	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs ）	-	-	-	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Ba-140(approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
La-140 （approx. 40hrs）	-	-	-	-	-	-	-	-	-	-	-	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

【Definite Report】Nuclide Analysis Results of Radioactive Materials in Seawater＜offshore 2/4＞

Place of Sampling	approx. 15 km offshore of Fukushima Daini Upper Layer		approx. 15 km offshore of Fukushima Daini Lower Layer		15 km offshore of Iwasawa Shore Upper layer		15 km offshore of Iwasawa Shore Lower layer		15 km offshore of Hirono-town Upper layer		15 km offshore of Hirono-town Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 07, 2011 (Not sampled)		Nov 07, 2011 (Not sampled)		N/A		N/A		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 (about 8 days)	-	-	-	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	-	-	-	-	90
Mo-99 （approx. 66hrs）	-	-	-	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Te-129(approx.70mins)	-	-	-	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs ）	-	-	-	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Ba-140(approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
La-140 （approx. 40hrs）	-	-	-	-	-	-	-	-	-	-	-	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

【Definite Report】Nuclide Analysis Results of Radioactive Materials in Seawater＜offshore 3/4＞

Place of Sampling	3 km offshore of North of Iwaki Upper layer		3 km offshore of North of Iwaki Lower layer		3 km offshore of Natsui river Upper layer		3 km offshore of Natsui river Lower layer		3 km offshore of Onahama port Upper layer		3 km offshore of Onahama port Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 07, 2011 07:55 am		Nov 07, 2011 07:55 am		Nov 07, 2011 07:15 am		Nov 07, 2011 07:15 am		Nov 07, 2011 06:10 am		Nov 07, 2011 06:10 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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.73Bq/L, Cs-134: approx. 0.90Bq/L, Cs-137: approx. 1.1Bq/L

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 Radioactive Materials in Seawater＜offshore 4/4＞

Place of Sampling	3 km offshore of Ena Upper layer		3 km offshore of Ena Lower layer		3 km offshore of Numanouchi Upper layer		3 km offshore of Numanouchi Lower layer		3 km offshore of Toyoma Upper layer		3 km offshore of Toyoma Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 07, 2011 06:50 am		Nov 07, 2011 06:50 am		Nov 07, 2011 06:50 am		Nov 07, 2011 06:50 am		Nov 07, 2011 06:35 am		Nov 07, 2011 06:35 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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	0.94	0.01	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.65Bq/L, Cs-134: approx. 0.99Bq/L, Cs-137: approx. 1.0Bq/L

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 Seawater <Coast>

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 (appox. 330m south of 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)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 09, 2011 08:40 am		Nov 09, 2011 08:20 am		Nov 09, 2011 08:25 am		Nov 09, 2011 08:00 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)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	3.1	0.05	1.3	0.02	ND	-	0.93	0.02	60
Cs-137 (about 30 years)	5.4	0.06	1.9	0.02	1.5	0.02	1.1	0.01	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.65Bq/L, Cs-134: approx. 1.0Bq/L

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 Seawater <Offshore 1/3>

Place of Sampling	3 km offshore of Haramachi Ward Upper layer		3 km offshore of Haramachi Ward Lower layer		3 km offshore of Odaka Ward Upper layer		3 km offshore of Odaka Ward Lower layer		3 km offshore of Iwasawa shore Upper layer		3 km offshore of Iwasawa shore Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 08, 2011 (Not sampled)		Nov 08, 2011 (Not sampled)		Nov 08, 2011 (Not sampled)		Nov 08, 2011 (Not sampled)		Nov 08, 2011 (Not sampled)		Nov 08, 2011 (Not sampled)		
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 (about 8 days)	-	-	-	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	-	-	-	-	90
Mo-99 （approx. 66hrs）	-	-	-	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Te-129(approx.70mins)	-	-	-	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs ）	-	-	-	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Ba-140(approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
La-140 （approx. 40hrs）	-	-	-	-	-	-	-	-	-	-	-	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

【Definite Report】Nuclide Analysis Results of Seawater <Offshore 2/3>

Place of Sampling	8 km offshore of Odaka Ward Upper layer		8 km offshore of Odaka Ward Lower layer		8 km offshore of Iwasawa shore Upper layer		8 km offshore of Iwasawa shore Lower layer						② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 08, 2011 (Not sampled)		Nov 08, 2011 (Not sampled)		Nov 08, 2011 (Not sampled)		Nov 08, 2011 (Not sampled)						
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 (about 8 days)	-	-	-	-	-	-	-	-					40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-					60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-					90
Mo-99 （approx. 66hrs）	-	-	-	-	-	-	-	-					1,000
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-					40,000
Te-129m (approx.34days)	-	-	-	-	-	-	-	-					300
Te-129(approx.70mins)	-	-	-	-	-	-	-	-					10,000
Te-132 (approx.78hrs ）	-	-	-	-	-	-	-	-					200
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-					3,000
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-					300
Ba-140(approx.13days)	-	-	-	-	-	-	-	-					300
La-140 （approx. 40hrs）	-	-	-	-	-	-	-	-					400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

【Definite Report】Nuclide Analysis Results of Seawater <Offshore 3/3>

Place of Sampling	3 km offshore of Souma City Upper layer		3 km offshore of Souma City Lower layer		5 km offshore of Souma City Upper layer		5 km offshore of Souma City Lower layer		5 km offshore of Kashima City Upper layer		5 km offshore of Kashima City Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 08, 2011 08:10 am		Nov 08, 2011 08:10 am		Nov 08, 2011 07:40 am		Nov 08, 2011 07:40 am		Nov 08, 2011 07:20 am		Nov 08, 2011 07:20 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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.66Bq/L, Cs-134: approx. 0.94Bq/L, Cs-137: approx. 1.0Bq/L

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 Seawater <Coast>

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 (appox. 330m south of 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)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 10, 2011 08:50 am		Nov 10, 2011 08:30 am		Nov 10, 2011 08:25 am		Nov 10, 2011 08:00 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)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	3.1	0.05	1.6	0.03	1.6	0.03	1.0	0.02	60
Cs-137 (about 30 years)	4.7	0.05	2.2	0.02	1.8	0.02	1.8	0.02	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.69Bq/L

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 Seawater <Offshore 1/3>

Place of Sampling	15 km offshore of Minami-Souma CityUpper layer		15 km offshore of Minami-Souma CityLower layer		15 km offshore of Ukedo-gawa Upper layer		15 km offshore of Ukedo-gawa Lower layer		15 km offshore of Fukushima Daiichi Upper layer		15 km offshore of Fukushima Daiichi Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 09, 2011 09:30 am		Nov 09, 2011 09:30 am		Nov 09, 2011 09:10 am		Nov 09, 2011 09:10 am		Nov 09, 2011 04:00 pm		Nov 09, 2011 04:00 pm		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.70Bq/L, Cs-134: approx. 0.94Bq/L, Cs-137: approx. 1.0Bq/L

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 Seawater <Offshore 2/3>

Place of Sampling	approx. 15 km offshore of Fukushima Daini Upper Layer		approx. 15 km offshore of Fukushima Daini Lower Layer		15 km offshore of Iwasawa Shore Upper layer		15 km offshore of Iwasawa Shore Lower layer		15 km offshore of Hirono-town Upper layer		15 km offshore of Hirono-town Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 09, 2011 08:20 am		Nov 09, 2011 08:20 am		Nov 09, 2011 07:45 am		Nov 09, 2011 07:45 am		Nov 09, 2011 07:15 am		Nov 09, 2011 07:15 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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	1.2	0.01	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.67Bq/L, Cs-134: approx. 0.96Bq/L, Cs-137: approx. 1.1Bq/L

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 Seawater <Offshore 3/3>

Place of Sampling	5km Offshore of Numanouchi Upper Layer		5km Offshore of Numanouchi Lower Layer										② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 09, 2011 07:40 am		Nov 09, 2011 07:40 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 (about 8 days)	ND	-	ND	-									40
Cs-134 (about 2 years)	ND	-	ND	-									60
Cs-137 (about 30 years)	ND	-	ND	-									90
Mo-99 （approx. 66hrs）	ND	-	ND	-									1,000
Tc-99m (approx.6hrs)	ND	-	ND	-									40,000
Te-129m (approx.34days)	ND	-	ND	-									300
Te-129(approx.70mins)	ND	-	ND	-									10,000
Te-132 (approx.78hrs ）	ND	-	ND	-									200
I-132 (approx.2hrs)	ND	-	ND	-									3,000
Cs-136 (approx.13days)	ND	-	ND	-									300
Ba-140(approx.13days)	ND	-	ND	-									300
La-140 （approx. 40hrs）	ND	-	ND	-									400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.67Bq/L, Cs-134: approx. 0.88Bq/L, Cs-137: approx. 1.0Bq/L

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 Seawater <Coast>

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 (appox. 330m south of 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)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 11, 2011 08:45 am		Nov 11, 2011 08:20 am		Nov 11, 2011 08:20 am		Nov 11, 2011 07:55 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)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	6.3	0.11	1.7	0.03	1.3	0.02	ND	-	60
Cs-137 (about 30 years)	6.4	0.07	1.2	0.01	2.0	0.02	1.2	0.01	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.74Bq/L, Cs-134: approx. 0.95Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 1/2>

Place of Sampling	3 km offshore of Haramachi Ward Upper layer		3 km offshore of Haramachi Ward Lower layer		3 km offshore of Odaka Ward Upper layer		3 km offshore of Odaka Ward Lower layer		3 km offshore of Iwasawa shore Upper layer		3 km offshore of Iwasawa shore Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 10, 2011 10:20 am		Nov 10, 2011 10:20 am		Nov 10, 2011 10:50 am		Nov 10, 2011 10:50 am		Nov 10, 2011 07:40 am		Nov 10, 2011 07:40 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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.66Bq/L, Cs-134: approx. 0.89Bq/L, Cs-137: approx. 1.0Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 2/2>

Place of Sampling	8 km offshore of Odaka Ward Upper layer		8 km offshore of Odaka Ward Lower layer		8 km offshore of Iwasawa shore Upper layer		8 km offshore of Iwasawa shore Lower layer						② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 10, 2011 11:10 am		Nov 10, 2011 11:10 am		Nov 10, 2011 08:00 am		Nov 10, 2011 08:00 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 (about 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-					60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-					90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-					1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-					300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-					10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	ND	-	ND	-					200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-					300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-					300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-					400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.66Bq/L, Cs-134: approx. 0.94Bq/L, Cs-137: approx. 1.0Bq/L

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 Seawater <Coast>

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 (appox. 330m south of 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)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 12, 2011 08:45 am		Nov 12, 2011 08:20 am		Nov 12, 2011 08:05 am		Nov 12, 2011 07:30 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)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	7.7	0.13	1.2	0.02	ND	-	ND	-	60
Cs-137 (about 30 years)	11	0.12	2.1	0.02	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.93Bq/L, Cs-134: approx. 0.97Bq/L, Cs-137: approx. 0.99Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 1/2>

Place of Sampling	15 km offshore of Minami-Souma CityUpper layer		15 km offshore of Minami-Souma CityLower layer		15 km offshore of Ukedo-gawa Upper layer		15 km offshore of Ukedo-gawa Lower layer		15 km offshore of Fukushima Daiichi Upper layer		15 km offshore of Fukushima Daiichi Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	N/A		N/A		Nov 11, 2011 09:20 am		Nov 11, 2011 09:20 am		Nov 11, 2011 08:45 am		Nov 11, 2011 08:45 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 (about 8 days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	-	-	-	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs ）	-	-	-	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	-	-	-	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.68Bq/L, Cs-134: approx. 0.97Bq/L, Cs-137: approx. 1.0Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 2/2>

Place of Sampling	approx. 15 km offshore of Fukushima Daini Upper Layer		approx. 15 km offshore of Fukushima Daini Lower Layer		15 km offshore of Iwasawa Shore Upper layer		15 km offshore of Iwasawa Shore Lower layer		15 km offshore of Hirono-town Upper layer		15 km offshore of Hirono-town Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 11, 2011 08:00 am		Nov 11, 2011 08:00 am		N/A		N/A		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 (about 8 days)	ND	-	ND	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
Te-129(approx.70mins)	ND	-	ND	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
Ba-140(approx.13days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	-	-	-	-	-	-	-	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.64Bq/L, Cs-134: approx. 0.94Bq/L, Cs-137: approx. 1.0Bq/L

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 Seawater <Coast>

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 (appox. 330m south of 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)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 13, 2011 08:40 am		Nov 13, 2011 08:20 am		Nov 13, 2011 08:00 am		Nov 13, 2011 07:40 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)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	6.2	0.10	1.8	0.03	1.6	0.03	ND	-	60
Cs-137 (about 30 years)	7.5	0.08	2.9	0.03	ND	-	1.3	0.01	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 1.1Bq/L, Cs-134: approx. 0.93Bq/L, Cs-137: approx. 1.1Bq/L

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 Seawater <Coast>

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 (appox. 330m south of 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)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 14, 2011 09:10 am		Nov 14, 2011 08:45 am		Nov 14, 2011 08:30 am		Nov 14, 2011 08:00 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)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	4.1	0.07	1.6	0.03	1.2	0.02	0.92	0.02	60
Cs-137 (about 30 years)	5.9	0.07	3.2	0.04	2.1	0.02	1.2	0.01	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.72Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 1/2>

Place of Sampling	15 km offshore of Minami-Souma CityUpper layer		15 km offshore of Minami-Souma CityLower layer		15 km offshore of Ukedo-gawa Upper layer		15 km offshore of Ukedo-gawa Lower layer		15 km offshore of Fukushima Daiichi Upper layer		15 km offshore of Fukushima Daiichi Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	N/A		N/A		Nov 13, 2011 (Not sampled)		Nov 13, 2011 (Not sampled)		Nov 13, 2011 (Not sampled)		Nov 13, 2011 (Not sampled)		
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 (about 8 days)	-	-	-	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	-	-	-	-	90
Mo-99 （approx. 66hrs）	-	-	-	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Te-129(approx.70mins)	-	-	-	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs ）	-	-	-	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Ba-140(approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
La-140 （approx. 40hrs）	-	-	-	-	-	-	-	-	-	-	-	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 2/2>

Place of Sampling	approx. 15 km offshore of Fukushima Daini Upper Layer		approx. 15 km offshore of Fukushima Daini Lower Layer		15 km offshore of Iwasawa Shore Upper layer		15 km offshore of Iwasawa Shore Lower layer		15 km offshore of Hirono-town Upper layer		15 km offshore of Hirono-town Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 13, 2011 (Not sampled)		Nov 13, 2011 (Not sampled)		N/A		N/A		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 (about 8 days)	-	-	-	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	-	-	-	-	90
Mo-99 （approx. 66hrs）	-	-	-	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Te-129(approx.70mins)	-	-	-	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs ）	-	-	-	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Ba-140(approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
La-140 （approx. 40hrs）	-	-	-	-	-	-	-	-	-	-	-	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

【Definite Report】Nuclide Analysis Results of Seawater <Coast>

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 (appox. 330m south of 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)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 15, 2011 08:45 am		Nov 15, 2011 08:30 am		Nov 15, 2011 08:25 am		Nov 15, 2011 08:00 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)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	5.7	0.10	1.1	0.02	ND	-	ND	-	60
Cs-137 (about 30 years)	6.1	0.07	1.5	0.02	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.81Bq/L, Cs-134: approx. 0.89Bq/L, Cs-137: approx. 1.0Bq/L

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 Radioactive Materials in Seawater＜offshore 1/4＞

Place of Sampling	3 km offshore of Haramachi Ward Upper layer		3 km offshore of Haramachi Ward Lower layer		3 km offshore of Odaka Ward Upper layer		3 km offshore of Odaka Ward Lower layer		3 km offshore of Iwasawa shore Upper layer		3 km offshore of Iwasawa shore Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 14, 2011 10:15 am		Nov 14, 2011 10:15 am		Nov 14, 2011 09:55 am		Nov 14, 2011 09:55 am		Nov 14, 2011 08:00 am		Nov 14, 2011 08:00 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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.64Bq/L, Cs-134: approx. 0.92Bq/L, Cs-137: approx. 1.0Bq/L

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 Radioactive Materials in Seawater＜offshore 2/4＞

Place of Sampling	8 km offshore of Odaka Ward Upper layer		8 km offshore of Odaka Ward Lower layer		8 km offshore of Iwasawa shore Upper layer		8 km offshore of Iwasawa shore Lower layer						② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 14, 2011 09:35 am		Nov 14, 2011 09:35 am		Nov 14, 2011 08:25 am		Nov 14, 2011 08:25 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 (about 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-					60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-					90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-					1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-					300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-					10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	ND	-	ND	-					200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-					300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-					300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-					400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.67Bq/L, Cs-134: approx. 0.95Bq/L, Cs-137: approx. 1.1Bq/L

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 Radioactive Materials in Seawater＜offshore 3/4＞

Place of Sampling	3 km offshore of North of Iwaki Upper layer		3 km offshore of North of Iwaki Lower layer		3 km offshore of Natsui river Upper layer		3 km offshore of Natsui river Lower layer		3 km offshore of Onahama port Upper layer		3 km offshore of Onahama port Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 14, 2011 07:10 am		Nov 14, 2011 07:10 am		Nov 14, 2011 06:45 am		Nov 14, 2011 06:45 am		Nov 14, 2011 06:10 am		Nov 14, 2011 06:10 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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	0.99	0.02	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.66Bq/L, Cs-134: approx. 0.97Bq/L, Cs-137: approx. 1.0Bq/L

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 Radioactive Materials in Seawater＜offshore 4/4＞

Place of Sampling	3 km offshore of Ena Upper layer		3 km offshore of Ena Lower layer		3 km offshore of Numanouchi Upper layer		3 km offshore of Numanouchi Lower layer		3 km offshore of Toyoma Upper layer		3 km offshore of Toyoma Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 14, 2011 06:25 am		Nov 14, 2011 06:25 am		Nov 14, 2011 06:30 am		Nov 14, 2011 06:30 am		Nov 14, 2011 06:20 am		Nov 14, 2011 06:20 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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs ）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.84Bq/L, Cs-134: approx. 0.95Bq/L, Cs-137: approx. 1.1Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜1/2＞

Place of Sampling	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Units 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 01, 2011 Jan 00, 1900		Nov 01, 2011 Jan 00, 1900		Nov 01, 2011 Jan 00, 1900		Nov 01, 2011 Jan 00, 1900		Nov 01, 2011 Jan 00, 1900		Nov 01, 2011 Jan 00, 1900		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	49	0.82	80	1.3	71	1.2	95	1.6	310	5.2	60
Cs-137 (about 30 years)	ND	-	61	0.68	110	1.2	100	1.1	110	1.2	380	4.2	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 15Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜2/2＞

Place of Sampling	Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal				②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 01, 2011 Jan 00, 1900		Nov 01, 2011 Jan 00, 1900		Nov 01, 2011 Jan 00, 1900		Nov 01, 2011 Jan 00, 1900		Nov 01, 2011 Jan 00, 1900				
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	120	2.0	240	4.0	74	1.2	270	4.5	60	1.0			60
Cs-137 (about 30 years)	150	1.7	270	3.0	95	1.1	330	3.7	60	0.67			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 15Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜1/2＞

Place of Sampling	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Units 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 02, 2011 Jan 00, 1900		Nov 02, 2011 Jan 00, 1900		Nov 02, 2011 Jan 00, 1900		Nov 02, 2011 Jan 00, 1900		Nov 02, 2011 Jan 00, 1900		Nov 02, 2011 Jan 00, 1900		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	71	1.2	81	1.4	130	2.2	160	2.7	420	7.0	60
Cs-137 (about 30 years)	ND	-	100	1.1	110	1.2	140	1.6	180	2.0	510	5.7	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	14	0.01	1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 18Bq/L, Cs-134: approx. 24Bq/L, Cs-137: approx. 29Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜2/2＞

Place of Sampling	Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal				②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 02, 2011 Jan 00, 1900		Nov 02, 2011 Jan 00, 1900		Nov 02, 2011 Jan 00, 1900		Nov 02, 2011 Jan 00, 1900		Nov 02, 2011 Jan 00, 1900				
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	120	2.0	550	9.2	190	3.2	280	4.7	69	1.2			60
Cs-137 (about 30 years)	110	1.2	730	8.1	210	2.3	360	4.0	78	0.87			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 19Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜1/2＞

Place of Sampling	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Units 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 03, 2011 Jan 00, 1900		Nov 03, 2011 Jan 00, 1900		Nov 03, 2011 Jan 00, 1900		Nov 03, 2011 Jan 00, 1900		Nov 03, 2011 Jan 00, 1900		Nov 03, 2011 Jan 00, 1900		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	81	1.4	80	1.3	110	1.8	140	2.3	300	5.0	60
Cs-137 (about 30 years)	ND	-	87	0.97	90	1.0	140	1.6	160	1.8	360	4.0	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 16Bq/L, Cs-134: approx. 24Bq/L, Cs-137: approx. 28Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜2/2＞

Place of Sampling	Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal				②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 03, 2011 Jan 00, 1900		Nov 03, 2011 Jan 00, 1900		Nov 03, 2011 Jan 00, 1900		Nov 03, 2011 Jan 00, 1900		Nov 03, 2011 Jan 00, 1900				
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	100	1.7	840	14	180	3.0	340	5.7	100	1.7			60
Cs-137 (about 30 years)	130	1.4	1,000	11	200	2.2	370	4.1	120	1.3			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 23Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜1/2＞

Place of Sampling	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Units 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 04, 2011 Jan 00, 1900		Nov 04, 2011 Jan 00, 1900		Nov 04, 2011 Jan 00, 1900		Nov 04, 2011 Jan 00, 1900		Nov 04, 2011 Jan 00, 1900		Nov 04, 2011 Jan 00, 1900		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	54	0.90	84	1.4	120	2.0	120	2.0	370	6.2	60
Cs-137 (about 30 years)	ND	-	85	0.94	140	1.6	140	1.6	140	1.6	470	5.2	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 19Bq/L, Cs-134: approx. 21Bq/L, Cs-137: approx. 25Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜2/2＞

Place of Sampling	Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal				②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 04, 2011 Jan 00, 1900		Nov 04, 2011 Jan 00, 1900		Nov 04, 2011 Jan 00, 1900		Nov 04, 2011 Jan 00, 1900		Nov 04, 2011 Jan 00, 1900				
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	88	1.5	730	12	210	3.5	330	5.5	120	2.0			60
Cs-137 (about 30 years)	120	1.3	890	9.9	290	3.2	460	5.1	160	1.8			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 24Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜1/2＞

Place of Sampling	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Units 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 05, 2011 Jan 00, 1900		Nov 05, 2011 Jan 00, 1900		Nov 05, 2011 Jan 00, 1900		Nov 05, 2011 Jan 00, 1900		Nov 05, 2011 Jan 00, 1900		Nov 05, 2011 Jan 00, 1900		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	110	1.8	110	1.8	140	2.3	140	2.3	350	5.8	60
Cs-137 (about 30 years)	39	0.43	120	1.3	130	1.4	170	1.9	180	2.0	430	4.8	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 16Bq/L, Cs-134: approx. 25Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜2/2＞

Place of Sampling	Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal				②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 05, 2011 Jan 00, 1900		Nov 05, 2011 Jan 00, 1900		Nov 05, 2011 Jan 00, 1900		Nov 05, 2011 Jan 00, 1900		Nov 05, 2011 Jan 00, 1900				
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	170	2.8	670	11	160	2.7	390	6.5	73	1.2			60
Cs-137 (about 30 years)	210	2.3	790	8.8	200	2.2	490	5.4	100	1.1			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 20Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜1/2＞

Place of Sampling	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Units 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 06, 2011 Jan 00, 1900		Nov 06, 2011 Jan 00, 1900		Nov 06, 2011 Jan 00, 1900		Nov 06, 2011 Jan 00, 1900		Nov 06, 2011 Jan 00, 1900		Nov 06, 2011 Jan 00, 1900		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	24	0.40	110	1.8	120	2.0	110	1.8	120	2.0	340	5.7	60
Cs-137 (about 30 years)	32	0.36	120	1.3	110	1.2	150	1.7	160	1.8	400	4.4	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 16Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜2/2＞

Place of Sampling	Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal				②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 06, 2011 Jan 00, 1900		Nov 06, 2011 Jan 00, 1900		Nov 06, 2011 Jan 00, 1900		Nov 06, 2011 Jan 00, 1900		Nov 06, 2011 Jan 00, 1900				
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	140	2.3	630	11	220	3.7	390	6.5	240	4.0			60
Cs-137 (about 30 years)	160	1.8	810	9.0	310	3.4	470	5.2	290	3.2			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 20Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜1/2＞

Place of Sampling	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Units 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 07, 2011 Jan 00, 1900		Nov 07, 2011 Jan 00, 1900		Nov 07, 2011 Jan 00, 1900		Nov 07, 2011 Jan 00, 1900		Nov 07, 2011 Jan 00, 1900		Nov 07, 2011 Jan 00, 1900		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	27	0.45	58	0.97	100	1.7	140	2.3	160	2.7	240	4.0	60
Cs-137 (about 30 years)	41	0.46	66	0.73	140	1.6	130	1.4	220	2.4	300	3.3	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 16Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜2/2＞

Place of Sampling	Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal				②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 07, 2011 Jan 00, 1900		Nov 07, 2011 Jan 00, 1900		Nov 07, 2011 Jan 00, 1900		Nov 07, 2011 Jan 00, 1900		Nov 07, 2011 Jan 00, 1900				
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	120	2.0	640	11	110	1.8	240	4.0	120	2.0			60
Cs-137 (about 30 years)	100	1.1	760	8.4	130	1.4	270	3.0	150	1.7			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 29Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜1/2＞

Place of Sampling	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Units 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 08, 2011 Jan 00, 1900		Nov 08, 2011 Jan 00, 1900		Nov 08, 2011 Jan 00, 1900		Nov 08, 2011 Jan 00, 1900		Nov 08, 2011 Jan 00, 1900		Nov 08, 2011 Jan 00, 1900		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	51	0.85	100	1.7	110	1.8	140	2.3	130	2.2	360	6.0	60
Cs-137 (about 30 years)	38	0.42	150	1.7	170	1.9	170	1.9	150	1.7	400	4.4	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 17Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜2/2＞

Place of Sampling	Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal				②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 08, 2011 Jan 00, 1900		Nov 08, 2011 Jan 00, 1900		Nov 08, 2011 Jan 00, 1900		Nov 08, 2011 Jan 00, 1900		Nov 08, 2011 Jan 00, 1900				
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	230	3.8	620	10	230	3.8	340	5.7	250	4.2			60
Cs-137 (about 30 years)	260	2.9	740	8.2	270	3.0	370	4.1	260	2.9			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 23Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜1/2＞

Place of Sampling	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Units 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 09, 2011 Jan 00, 1900		Nov 09, 2011 Jan 00, 1900		Nov 09, 2011 Jan 00, 1900		Nov 09, 2011 Jan 00, 1900		Nov 09, 2011 Jan 00, 1900		Nov 09, 2011 Jan 00, 1900		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	23	0.38	89	1.5	110	1.8	120	2.0	300	5.0	270	4.5	60
Cs-137 (about 30 years)	37	0.41	100	1.1	140	1.6	160	1.8	400	4.4	360	4.0	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	8.8	0.01	1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 16Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜2/2＞

Place of Sampling	Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal				②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 09, 2011 Jan 00, 1900		Nov 09, 2011 Jan 00, 1900		Nov 09, 2011 Jan 00, 1900		Nov 09, 2011 Jan 00, 1900		Nov 09, 2011 Jan 00, 1900				
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	210	3.5	620	10	98	1.6	300	5.0	180	3.0			60
Cs-137 (about 30 years)	250	2.8	710	7.9	140	1.6	350	3.9	260	2.9			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 20Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜1/2＞

Place of Sampling	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Units 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 10, 2011 Jan 00, 1900		Nov 10, 2011 Jan 00, 1900		Nov 10, 2011 Jan 00, 1900		Nov 10, 2011 Jan 00, 1900		Nov 10, 2011 Jan 00, 1900		Nov 10, 2011 Jan 00, 1900		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	67	1.1	120	2.0	130	2.2	360	6.0	330	5.5	60
Cs-137 (about 30 years)	29	0.32	110	1.2	160	1.8	160	1.8	460	5.1	410	4.6	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	11	0.01	1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 27Bq/L, Cs-134: approx. 22Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜2/2＞

Place of Sampling	Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal				②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 10, 2011 Jan 00, 1900		Nov 10, 2011 Jan 00, 1900		Nov 10, 2011 Jan 00, 1900		Nov 10, 2011 Jan 00, 1900		Nov 10, 2011 Jan 00, 1900				
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	400	6.7	670	11	320	5.3	330	5.5	240	4.0			60
Cs-137 (about 30 years)	460	5.1	790	8.8	330	3.7	400	4.4	310	3.4			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 19Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜1/2＞

Place of Sampling	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Units 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 11, 2011 Jan 00, 1900		Nov 11, 2011 Jan 00, 1900		Nov 11, 2011 Jan 00, 1900		Nov 11, 2011 Jan 00, 1900		Nov 11, 2011 Jan 00, 1900		Nov 11, 2011 Jan 00, 1900		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	87	1.5	110	1.8	130	2.2	420	7.0	340	5.7	60
Cs-137 (about 30 years)	46	0.51	130	1.4	150	1.7	180	2.0	430	4.8	400	4.4	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 17Bq/L, Cs-134: approx. 25Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜2/2＞

Place of Sampling	Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal				②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 11, 2011 Jan 00, 1900		Nov 11, 2011 Jan 00, 1900		Nov 11, 2011 Jan 00, 1900		Nov 11, 2011 Jan 00, 1900		Nov 11, 2011 Jan 00, 1900				
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	390	6.5	590	9.8	250	4.2	290	4.8	310	5.2			60
Cs-137 (about 30 years)	420	4.7	700	7.8	290	3.2	400	4.4	390	4.3			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 20Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜1/2＞

Place of Sampling	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Units 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 12, 2011 Jan 00, 1900		Nov 12, 2011 Jan 00, 1900		Nov 12, 2011 Jan 00, 1900		Nov 12, 2011 Jan 00, 1900		Nov 12, 2011 Jan 00, 1900		Nov 12, 2011 Jan 00, 1900		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	110	1.8	150	2.5	150	2.5	160	2.7	240	4.0	60
Cs-137 (about 30 years)	ND	-	140	1.6	160	1.8	140	1.6	190	2.1	290	3.2	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 16Bq/L, Cs-134: approx. 25Bq/L, Cs-137: approx. 28Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜2/2＞

Place of Sampling	Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal				②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 12, 2011 Jan 00, 1900		Nov 12, 2011 Jan 00, 1900		Nov 12, 2011 Jan 00, 1900		Nov 12, 2011 Jan 00, 1900		Nov 12, 2011 Jan 00, 1900				
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	320	5.3	640	11	130	2.2	370	6.2	250	4.2			60
Cs-137 (about 30 years)	370	4.1	820	9.1	170	1.9	410	4.6	330	3.7			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 20Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜1/2＞

Place of Sampling	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Units 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 13, 2011 Jan 00, 1900		Nov 13, 2011 Jan 00, 1900		Nov 13, 2011 Jan 00, 1900		Nov 13, 2011 Jan 00, 1900		Nov 13, 2011 Jan 00, 1900		Nov 13, 2011 Jan 00, 1900		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	71	1.2	96	1.6	110	1.8	92	1.5	340	5.7	60
Cs-137 (about 30 years)	54	0.60	95	1.1	120	1.3	130	1.4	110	1.2	370	4.1	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 17Bq/L, Cs-134: approx. 25Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜2/2＞

Place of Sampling	Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal				②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 13, 2011 Jan 00, 1900		Nov 13, 2011 Jan 00, 1900		Nov 13, 2011 Jan 00, 1900		Nov 13, 2011 Jan 00, 1900		Nov 13, 2011 Jan 00, 1900				
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	130	2.2	650	11	110	1.8	320	5.3	60	1.0			60
Cs-137 (about 30 years)	140	1.6	800	8.9	150	1.7	380	4.2	90	1.0			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 19Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜1/2＞

Place of Sampling	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Units 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 14, 2011 Jan 00, 1900		Nov 14, 2011 Jan 00, 1900		Nov 14, 2011 Jan 00, 1900		Nov 14, 2011 Jan 00, 1900		Nov 14, 2011 Jan 00, 1900		Nov 14, 2011 Jan 00, 1900		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	50	0.83	68	1.1	88	1.5	83	1.4	240	4.0	60
Cs-137 (about 30 years)	ND	-	75	0.83	84	0.93	110	1.2	100	1.1	290	3.2	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 17Bq/L, Cs-134: approx. 24Bq/L, Cs-137: approx. 28Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜2/2＞

Place of Sampling	Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal				②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 14, 2011 Jan 00, 1900		Nov 14, 2011 Jan 00, 1900		Nov 14, 2011 Jan 00, 1900		Nov 14, 2011 Jan 00, 1900		Nov 14, 2011 Jan 00, 1900				
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	74	1.2	360	6.0	210	3.5	280	4.7	ND	-			60
Cs-137 (about 30 years)	84	0.93	460	5.1	280	3.1	370	4.1	48	0.53			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 17Bq/L, Cs-134: approx. 21Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜1/2＞

Place of Sampling	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Units 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 15, 2011 Jan 00, 1900		Nov 15, 2011 Jan 00, 1900		Nov 15, 2011 Jan 00, 1900		Nov 15, 2011 Jan 00, 1900		Nov 15, 2011 Jan 00, 1900		Nov 15, 2011 Jan 00, 1900		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	43	0.72	68	1.1	87	1.5	150	2.5	210	3.5	60
Cs-137 (about 30 years)	29	0.32	88	0.98	100	1.1	110	1.2	190	2.1	230	2.6	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 15Bq/L, Cs-134: approx. 24Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 Nuclide Analysis Results of Radioactive Materials in Seawater＜2/2＞

Place of Sampling	Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal				②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 15, 2011 Jan 00, 1900		Nov 15, 2011 Jan 00, 1900		Nov 15, 2011 Jan 00, 1900		Nov 15, 2011 Jan 00, 1900		Nov 15, 2011 Jan 00, 1900				
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	35	0.58	450	7.5	60	1.0	230	3.8	38	0.63			60
Cs-137 (about 30 years)	62	0.69	510	5.7	95	1.1	290	3.2	53	0.59			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 19Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 the water intake canal of Fukushima Daiichi Nuclide Analysis Results of Radioactive Materials in Seawater

Place of Sampling	Sea water at water intake canal, Unit 6 of Fukushima Daiichi												②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Nov 15, 2011 Jan 00, 1900		Nov 15, 2011 Jan 00, 1900		Nov 15, 2011 Jan 00, 1900		Nov 15, 2011 Jan 00, 1900						
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	5.7	0.10	10	0.17	5.7	0.10	10	0.17					60
Cs-137 (about 30 years)	9.0	0.10	7.2	0.08	6.2	0.07	10	0.11					90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-					1,000
Co-60 (approx.5yrs)	1.0	0.01	ND	-	ND	-	ND	-					200
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-					300
Te-129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-					10,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-					300
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	ND	-					300
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	ND	-					400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 2Bq/L
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Result of nuclide analysis of sub drain of Fukushima Daiichi NPS

	Fukushima Daiichi NPS 1U sub-drain	Fukushima Daiichi NPS 2U sub-drain	Fukushima Daiichi NPS 3U sub-drain	Fukushima Daiichi NPS 4U sub-drain	Fukushima Daiichi NPS 5U sub-drain	Fukushima Daiichi NPS 6U sub-drain	Fukushima Daiichi NPS Deep well
Time of Sampling	02-Nov-11 9:35	02-Nov-11 9:40	02-Nov-11 9:45	02-Nov-11 9:52	02-Nov-11 9:30	02-Nov-11 9:25	02-Nov-11 9:05
Detected Nuclides (Half-life)	Density of sample（Bq/cm3)						
I-131 (about 8 days)	ND	ND	ND	ND	ND	ND	ND
Cs-134 (about 2 years)	6.2E-01	1.6E+00	ND	ND	ND	ND	ND
Cs-137 (about 30 years)	8.6E-01	2.1E+00	2.5E-02	ND	ND	ND	ND
Nb-95 (approx.35days)	ND	ND	ND	ND	ND	ND	ND
Sb-125 (approx.3yrs)	ND	ND	ND	ND	ND	ND	ND
Ag-110m (approx.250days)	ND	ND	ND	ND	ND	ND	ND
Te-129 (approx.70mins)	ND	ND	ND	ND	ND	ND	ND
Te-129m (approx.34days)	ND	ND	ND	ND	ND	ND	ND
Cs-136 (approx.13days)	ND	ND	ND	ND	ND	ND	ND
Ba-140(approx.13days)	ND	ND	ND	ND	ND	ND	ND
La-140 （approx. 40hrs）	ND	ND	ND	ND	ND	ND	ND

* O.OE－O means O.O x 10-O

* "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. 3E-2Bq/cm3, Cs-134: approx. 3E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Result of nuclide analysis of sub drain of Fukushima Daiichi NPS

Place of Sampling	Fukushima Daiichi NPS 1U sub-drain	Fukushima Daiichi NPS 2U sub-drain	Fukushima Daiichi NPS 3U sub-drain	Fukushima Daiichi NPS 4U sub-drain	Fukushima Daiichi NPS 5U sub-drain	Fukushima Daiichi NPS 6U sub-drain	Fukushima Daiichi NPS Deep well
Time of Sampling	04-Nov-11 9:37	04-Nov-11 9:40	04-Nov-11 9:51	04-Nov-11 9:37	04-Nov-11 9:26	04-Nov-11 9:19	04-Nov-11 9:55
Detected Nuclides (Half-life)	Density of sample（Bq/cm3)						
I-131 (about 8 days)	ND	ND	ND	ND	ND	ND	ND
Cs-134 (about 2 years)	5.0E-01	1.2E+00	ND	ND	ND	ND	ND
Cs-137 (about 30 years)	7.0E-01	1.6E+00	2.6E-02	ND	ND	ND	ND
Nb-95 (approx.35days)	ND	ND	ND	ND	ND	ND	ND
Sb-125 (approx.3yrs)	ND	ND	ND	ND	ND	ND	ND
Ag-110m (approx.250days)	ND	ND	ND	ND	ND	ND	ND
Te-129 (approx.70mins)	ND	ND	ND	ND	ND	ND	ND
Te-129m (approx.34days)	ND	ND	ND	ND	ND	ND	ND
Cs-136 (approx.13days)	ND	ND	ND	ND	ND	ND	ND
Ba-140(approx.13days)	ND	ND	ND	ND	ND	ND	ND
La-140 （approx. 40hrs）	ND	ND	ND	ND	ND	ND	ND

* O.OE－O means O.O x 10-O

* "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. 3E-2Bq/cm3, Cs-134: approx. 3E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Result of nuclide analysis of sub drain of Fukushima Daiichi NPS

Place of Sampling	Fukushima Daiichi NPS 1U sub-drain	Fukushima Daiichi NPS 2U sub-drain	Fukushima Daiichi NPS 3U sub-drain	Fukushima Daiichi NPS 4U sub-drain	Fukushima Daiichi NPS 5U sub-drain	Fukushima Daiichi NPS 6U sub-drain	Fukushima Daiichi NPS Deep well
Time of Sampling	07-Nov-11 10:15	07-Nov-11 10:20	07-Nov-11 10:30	07-Nov-11 9:47	07-Nov-11 10:10	07-Nov-11 10:05	07-Nov-11 (Not sampled)
Detected Nuclides (Half-life)	Density of sample（Bq/cm3)						
I-131 (about 8 days)	ND	ND	ND	ND	ND	ND	-
Cs-134 (about 2 years)	2.1E+00	1.4E+00	2.8E-02	ND	ND	ND	-
Cs-137 (about 30 years)	2.7E+00	1.9E+00	3.1E-02	ND	ND	ND	-
Nb-95 (approx.35days)	ND	ND	ND	ND	ND	ND	-
Sb-125 (approx.3yrs)	ND	ND	ND	ND	ND	ND	-
Ag-110m (approx.250days)	ND	ND	ND	ND	ND	ND	-
Te-129 (approx.70mins)	ND	ND	ND	ND	ND	ND	-
Te-129m (approx.34days)	ND	ND	ND	ND	ND	ND	-
Cs-136 (approx.13days)	ND	ND	ND	ND	ND	ND	-
Ba-140(approx.13days)	ND	ND	ND	ND	ND	ND	-
La-140 （approx. 40hrs）	ND	ND	ND	ND	ND	ND	-

* O.OE－O means O.O x 10-O

* "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. 3E-2Bq/cm3, Cs-134: approx. 3E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Result of nuclide analysis of sub drain of Fukushima Daiichi NPS

Place of Sampling	Fukushima Daiichi NPS 1U sub-drain	Fukushima Daiichi NPS 2U sub-drain	Fukushima Daiichi NPS 3U sub-drain	Fukushima Daiichi NPS 4U sub-drain	Fukushima Daiichi NPS 5U sub-drain	Fukushima Daiichi NPS 6U sub-drain	Fukushima Daiichi NPS Deep well
Time of Sampling	09-Nov-11 10:35	09-Nov-11 10:48	09-Nov-11 11:00	09-Nov-11 9:48	09-Nov-11 10:15	09-Nov-11 10:10	09-Nov-11 10:00
Detected Nuclides (Half-life)	Density of sample（Bq/cm3)						
I-131 (about 8 days)	ND	ND	ND	ND	ND	ND	ND
Cs-134 (about 2 years)	1.1E+00	1.5E+00	ND	ND	ND	ND	ND
Cs-137 (about 30 years)	1.5E+00	2.2E+00	ND	ND	ND	ND	ND
Nb-95 (approx.35days)	ND	ND	ND	ND	ND	ND	ND
Sb-125 (approx.3yrs)	ND	ND	ND	ND	ND	ND	ND
Ag-110m (approx.250days)	ND	ND	ND	ND	ND	ND	ND
Te-129 (approx.70mins)	ND	ND	ND	ND	ND	ND	ND
Te-129m (approx.34days)	ND	ND	ND	ND	ND	ND	ND
Cs-136 (approx.13days)	ND	ND	ND	ND	ND	ND	ND
Ba-140(approx.13days)	ND	ND	ND	ND	ND	ND	ND
La-140 （approx. 40hrs）	ND	ND	ND	ND	ND	ND	ND

* O.OE－O means O.O x 10-O

* "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. 3E-2Bq/cm3, Cs-134: approx. 3E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】Result of nuclide analysis of sub drain of Fukushima Daiichi NPS

Place of Sampling	Fukushima Daiichi NPS 1U sub-drain	Fukushima Daiichi NPS 2U sub-drain	Fukushima Daiichi NPS 3U sub-drain	Fukushima Daiichi NPS 4U sub-drain	Fukushima Daiichi NPS 5U sub-drain	Fukushima Daiichi NPS 6U sub-drain	Fukushima Daiichi NPS Deep well
Time of Sampling	11-Nov-11 9:50	11-Nov-11 9:53	11-Nov-11 10:03	11-Nov-11 9:38	11-Nov-11 9:43	11-Nov-11 9:35	11-Nov-11 9:20
Detected Nuclides (Half-life)	Density of sample（Bq/cm3)						
I-131 (about 8 days)	ND	ND	ND	ND	ND	ND	ND
Cs-134 (about 2 years)	1.1E+00	1.2E+00	ND	ND	ND	ND	ND
Cs-137 (about 30 years)	1.4E+00	1.6E+00	ND	ND	ND	ND	ND
Nb-95 (approx.35days)	ND	ND	ND	ND	ND	ND	ND
Sb-125 (approx.3yrs)	ND	ND	ND	ND	ND	ND	ND
Ag-110m (approx.250days)	ND	ND	ND	ND	ND	ND	ND
Te-129 (approx.70mins)	ND	ND	ND	ND	ND	ND	ND
Te-129m (approx.34days)	ND	ND	ND	ND	ND	ND	ND
Cs-136 (approx.13days)	ND	ND	ND	ND	ND	ND	ND
Ba-140(approx.13days)	ND	ND	ND	ND	ND	ND	ND
La-140 （approx. 40hrs）	ND	ND	ND	ND	ND	ND	ND

* O.OE－O means O.O x 10-O

* "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. 3E-2Bq/cm3, Cs-134: approx. 3E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

【Definite Report】 Result of nuclide analysis of sub drain of Fukushima Daiichi NPS

Place of Sampling	Fukushima Daiichi NPS 1U sub-drain	Fukushima Daiichi NPS 2U sub-drain	Fukushima Daiichi NPS 3U sub-drain	Fukushima Daiichi NPS 4U sub-drain	Fukushima Daiichi NPS 5U sub-drain	Fukushima Daiichi NPS 6U sub-drain	Fukushima Daiichi NPS Deep well
Time of Sampling	14-Nov-11 10:40	14-Nov-11 10:45	14-Nov-11 10:50	14-Nov-11 9:43	14-Nov-11 10:30	14-Nov-11 10:25	14-Nov-11 10:05
Detected Nuclides (Half-life)	Density of sample（Bq/cm3)						
I-131 (about 8 days)	ND	ND	ND	ND	ND	ND	ND
Cs-134 (about 2 years)	1.1E+00	1.1E+00	3.4E-02	ND	ND	ND	ND
Cs-137 (about 30 years)	1.5E+00	1.4E+00	3.1E-02	ND	ND	ND	ND
Nb-95 (approx.35days)	ND	ND	ND	ND	ND	ND	ND
Sb-125 (approx.3yrs)	ND	ND	ND	ND	ND	ND	ND
Ag-110m (approx.250days)	ND	ND	ND	ND	ND	ND	ND
Te-129 (approx.70mins)	ND	ND	ND	ND	ND	ND	ND
Te-129m (approx.34days)	ND	ND	ND	ND	ND	ND	ND
Cs-136 (approx.13days)	ND	ND	ND	ND	ND	ND	ND
Ba-140(approx.13days)	ND	ND	ND	ND	ND	ND	ND
La-140 （approx. 40hrs）	ND	ND	ND	ND	ND	ND	ND

* O.OE－O means O.O x 10-O

* "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. 3E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Definitive Report: Result of nuclide analysis of sub drain of Fukushima Daiichi NPS, around centralized waste treatment facility

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Buildng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Buildng
Time of Sampling	01-Nov-11 9:56	01-Nov-11 10:01	01-Nov-11 10:05	01-Nov-11 10:20	NA	01-Nov-11 10:16	01-Nov-11 10:25	01-Nov-11 10:09
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)							
I-131 (about 8 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-134 (about 2 years)	ND	ND	ND	ND	-	2.8E-01	ND	ND
Cs-137 (about 30 years)	ND	ND	ND	ND	-	3.7E-01	ND	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND

* O.OE－O means O.O x 10-O

* Data of other nuclides are under evaluation.

* "ND" means the sampled data is below measurable limit.
I-131: approx. 2E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3)
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Definitive Report: Result of nuclide analysis of sub drain of Fukushima Daiichi NPS, around centralized waste treatment facility

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Buildng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Buildng
Time of Sampling	02-Nov-11 9:52	02-Nov-11 9:57	02-Nov-11 10:05	02-Nov-11 10:16	NA	02-Nov-11 10:13	02-Nov-11 10:21	02-Nov-11 10:08
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)							
I-131 (about 8 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-134 (about 2 years)	ND	ND	ND	2.8E-02	-	1.8E-01	2.7E-02	ND
Cs-137 (about 30 years)	ND	ND	ND	ND	-	2.4E-01	5.2E-02	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND

＊ 0.0E−0 means 0.0 x 10-0

* Data of other nuclides are under evaluation.

* "ND" means the sampled data is below measurable limit.
I-131: approx. 2E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3)
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Definitive Report: Result of nuclide analysis of sub drain of Fukushima Daiichi NPS, around centralized waste treatment facility

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Buildng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Buildng
Time of Sampling	03-Nov-11 9:45	03-Nov-11 9:50	03-Nov-11 9:53	03-Nov-11 10:05	NA	03-Nov-11 10:02	03-Nov-11 10:09	03-Nov-11 9:57
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)							
I-131 (about 8 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-134 (about 2 years)	ND	ND	ND	ND	-	2.5E-01	3.6E-02	ND
Cs-137 (about 30 years)	ND	ND	ND	ND	-	2.9E-01	3.6E-02	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND

＊ 0.0E－0 means 0.0 x 10-0

* Data of other nuclides are under evaluation.

* "ND" means the sampled data is below measurable limit.
I-131: approx. 2E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3）
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Definitive Report: Result of nuclide analysis of sub drain of Fukushima Daiichi NPS, around centralized waste treatment facility

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Buildng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Buildng
Time of Sampling	04-Nov-11 9:37	04-Nov-11 9:40	04-Nov-11 9:43	04-Nov-11 9:54	NA	04-Nov-11 9:51	04-Nov-11 9:58	04-Nov-11 9:47
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)							
I-131 (about 8 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-134 (about 2 years)	ND	ND	ND	3.2E-02	-	7.4E-02	2.6E-02	ND
Cs-137 (about 30 years)	ND	ND	ND	5.0E-02	-	1.0E-01	2.6E-02	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND

＊ 0.0E−0 means 0.0 x 10-0

* Data of other nuclides are under evaluation.

* "ND" means the sampled data is below measurable limit.
I-131: approx. 2E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3）
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Definitive Report: Result of nuclide analysis of sub drain of Fukushima Daiichi NPS, around centralized waste treatment facility

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Buildng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Buildng
Time of Sampling	05-Nov-11 9:25	05-Nov-11 9:29	05-Nov-11 9:33	05-Nov-11 9:45	NA	05-Nov-11 9:43	05-Nov-11 9:51	05-Nov-11 9:37
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)							
I-131 (about 8 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-134 (about 2 years)	ND	ND	ND	ND	-	1.4E-01	ND	ND
Cs-137 (about 30 years)	ND	ND	ND	ND	-	1.5E-01	3.6E-02	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND

＊ 0.0E−0 means 0.0 x 10-0

* Data of other nuclides are under evaluation.

* "ND" means the sampled data is below measurable limit.
I-131: approx. 2E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3）
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Definitive Report: Result of nuclide analysis of sub drain of Fukushima Daiichi NPS, around centralized waste treatment facility

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Buildng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Buildng
Time of Sampling	06-Nov-11 9:40	06-Nov-11 9:45	06-Nov-11 9:49	06-Nov-11 10:03	NA	06-Nov-11 9:59	06-Nov-11 10:08	06-Nov-11 9:54
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)							
I-131 (about 8 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-134 (about 2 years)	ND	ND	ND	ND	-	3.2E-01	2.7E-02	ND
Cs-137 (about 30 years)	ND	ND	ND	ND	-	4.3E-01	3.2E-02	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND

＊ 0.0E−0 means 0.0 x 10-0

* Data of other nuclides are under evaluation.

* "ND" means the sampled data is below measurable limit.
I-131: approx. 2E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3）
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Definitive Report: Result of nuclide analysis of sub drain of Fukushima Daiichi NPS, around centralized waste treatment facility

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Buildng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Buildng
Time of Sampling	08-Nov-11 9:43	08-Nov-11 9:47	08-Nov-11 9:51	08-Nov-11 10:03	NA	08-Nov-11 10:00	08-Nov-11 10:08	08-Nov-11 9:55
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)							
I-131 (about 8 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-134 (about 2 years)	ND	ND	ND	ND	-	2.0E-01	3.1E-02	ND
Cs-137 (about 30 years)	ND	ND	ND	ND	-	2.6E-01	3.6E-02	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND

＊ 0.0E－0 means 0.0 x 10-0

* Data of other nuclides are under evaluation.

* "ND" means the sampled data is below measurable limit.
I-131: approx. 2E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3）
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Definitive Report: Result of nuclide analysis of sub drain of Fukushima Daiichi NPS, around centralized waste treatment facility

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Buildng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Buildng
Time of Sampling	07-Nov-11 9:47	07-Nov-11 9:52	07-Nov-11 9:56	07-Nov-11 10:12	07-Nov-11 10:04	07-Nov-11 10:09	07-Nov-11 10:17	07-Nov-11 10:01
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)							
I-131 (about 8 days)	ND	ND	ND	ND	ND	ND	ND	ND
Cs-134 (about 2 years)	ND	ND	ND	ND	ND	1.5E-01	2.3E-02	ND
Cs-137 (about 30 years)	ND	ND	ND	3.1E-02	ND	1.9E-01	2.9E-02	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	ND	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	ND	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	ND	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	ND	ND	ND	ND

＊ 0.0E－0 means 0.0 x 10-0

* Data of other nuclides are under evaluation.

* "ND" means the sampled data is below measurable limit.
I-131: approx. 2E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3)
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Definitive Report: Result of nuclide analysis of sub drain of Fukushima Daiichi NPS, around centralized waste treatment facility

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Buildng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Buildng
Time of Sampling	09-Nov-11 9:48	09-Nov-11 9:52	09-Nov-11 10:02	09-Nov-11 10:15	NA	09-Nov-11 10:12	09-Nov-11 10:20	09-Nov-11 10:07
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)							
I-131 (about 8 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-134 (about 2 years)	ND	ND	ND	2.7E-02	-	1.8E-01	3.0E-02	ND
Cs-137 (about 30 years)	ND	ND	ND	4.0E-02	-	2.8E-01	3.0E-02	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND

＊ 0.0E－0 means 0.0 x 10-0

* Data of other nuclides are under evaluation.

* "ND" means the sampled data is below measurable limit.
I-131: approx. 2E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3)
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Definitive Report: Result of nuclide analysis of sub drain of Fukushima Daiichi NPS, around centralized waste treatment facility

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Buildng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Buildng
Time of Sampling	10-Nov-11 9:44	10-Nov-11 9:48	10-Nov-11 9:51	10-Nov-11 10:02	NA	10-Nov-11 9:59	10-Nov-11 10:06	10-Nov-11 9:55
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)							
I-131 (about 8 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-134 (about 2 years)	ND	ND	ND	ND	-	1.6E-01	2.6E-02	ND
Cs-137 (about 30 years)	ND	ND	ND	ND	-	2.0E-01	ND	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND

＊ 0.0E−0 means 0.0 x 10-0

* Data of other nuclides are under evaluation.

* "ND" means the sampled data is below measurable limit.
I-131: approx. 2E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3）
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Definitive Report: Result of nuclide analysis of sub drain of Fukushima Daiichi NPS, around centralized waste treatment facility

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Buildng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Buildng
Time of Sampling	11-Nov-11 9:38	11-Nov-11 9:43	11-Nov-11 9:47	11-Nov-11 10:00	NA	11-Nov-11 9:57	11-Nov-11 10:07	11-Nov-11 9:52
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)							
I-131 (about 8 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-134 (about 2 years)	ND	ND	ND	ND	-	1.9E-01	3.4E-02	ND
Cs-137 (about 30 years)	ND	ND	ND	3.5E-02	-	2.1E-01	2.9E-02	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND

＊ 0.0E−0 means 0.0 x 10-0

* Data of other nuclides are under evaluation.

* "ND" means the sampled data is below measurable limit.
I-131: approx. 2E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3)
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Definitive Report: Result of nuclide analysis of sub drain of Fukushima Daiichi NPS, around centralized waste treatment facility

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Buildng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Buildng
Time of Sampling	12-Nov-11 9:27	12-Nov-11 9:31	12-Nov-11 9:36	12-Nov-11 9:48	NA	12-Nov-11 9:45	12-Nov-11 9:52	12-Nov-11 9:40
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)							
I-131 (about 8 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-134 (about 2 years)	ND	ND	ND	ND	-	1.0E-01	4.2E-02	ND
Cs-137 (about 30 years)	ND	ND	ND	2.9E-02	-	1.4E-01	4.1E-02	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND

＊ 0.0E－0 means 0.0 x 10-0

* Data of other nuclides are under evaluation.

* "ND" means the sampled data is below measurable limit.
I-131: approx. 2E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3)
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Definitive Report: Result of nuclide analysis of sub drain of Fukushima Daiichi NPS, around centralized waste treatment facility

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Buildng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Buildng
Time of Sampling	13-Nov-11 9:31	13-Nov-11 9:36	13-Nov-11 9:39	13-Nov-11 9:51	NA	13-Nov-11 9:48	13-Nov-11 9:56	13-Nov-11 9:43
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)							
I-131 (about 8 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-134 (about 2 years)	ND	ND	ND	ND	-	1.3E-01	2.3E-02	ND
Cs-137 (about 30 years)	ND	ND	ND	ND	-	1.5E-01	4.6E-02	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND

＊ 0.0E−0 means 0.0 x 10-0

* Data of other nuclides are under evaluation.

* "ND" means the sampled data is below measurable limit.
I-131: approx. 2E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3)
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Definitive Report: Result of nuclide analysis of sub drain of Fukushima Daiichi NPS, around centralized waste treatment facility

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Buildng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Buildng
Time of Sampling	14-Nov-11 9:43	14-Nov-11 9:48	14-Nov-11 9:52	14-Nov-11 10:07	14-Nov-11 10:00	14-Nov-11 10:04	14-Nov-11 10:11	14-Nov-11 9:56
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)							
I-131 (about 8 days)	ND	ND	ND	ND	ND	ND	ND	ND
Cs-134 (about 2 years)	ND	ND	ND	ND	ND	1.7E-01	3.6E-02	ND
Cs-137 (about 30 years)	ND	ND	ND	ND	ND	2.1E-01	4.7E-02	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	ND	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	ND	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	ND	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	ND	ND	ND	ND

＊ 0.0E－0 means 0.0 x 10-0

* Data of other nuclides are under evaluation.

* "ND" means the sampled data is below measurable limit.
I-131: approx. 2E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3）
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Definitive Report: Result of nuclide analysis of sub drain of Fukushima Daiichi NPS, around centralized waste treatment facility

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Buildng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Buildng
Time of Sampling	15-Nov-11 9:42	15-Nov-11 9:46	15-Nov-11 9:50	15-Nov-11 10:02	NA	15-Nov-11 9:58	15-Nov-11 10:06	15-Nov-11 9:54
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)							
I-131 (about 8 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-134 (about 2 years)	2.5E-02	ND	ND	2.9E-02	-	2.2E-01	2.7E-02	ND
Cs-137 (about 30 years)	4.0E-02	ND	ND	4.6E-02	-	2.5E-01	3.1E-02	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND

＊ 0.0E−0 means 0.0 x 10-0

* Data of other nuclides are under evaluation.

* "ND" means the sampled data is below measurable limit.
I-131: approx. 2E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3)
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 Radioactive Materials in Seawater＜Offshore of Ibaraki Prefecture 1/2＞

Place of Sampling	3 km offshore of Takadokobama shore Upper Layer		3 km offshore of Takadokobama shore Lower Layer		3 km offshore of Kujihama shore Upper Layer		3 km offshore of Kujihama shore Lower Layer		3 km offshore of Oarai shore Upper Layer		3 km offshore of Oarai shore Lower Layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	1-Nov-11 7:51		1-Nov-11 7:51		2-Nov-11 8:18		2-Nov-11 8:19		2-Nov-11 7:53		2-Nov-11 7:50		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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 of radioactive material in seawater. The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 1.0Bq/L, Cs-134: approx. 1.4Bq/L, Cs-137: approx. 1.3Bq/L

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 Radioactive Materials in Seawater＜Offshore of Ibaraki Prefecture 2/2＞

Place of Sampling	3 km offshore of Hirai shore Upper Layer		3 km offshore of Hirai shore Lower Layer		3 km offshore of Hasaki shore Upper Layer		3 km offshore of Hasaki shore Lower Layer						② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	1-Nov-11 13:34		1-Nov-11 13:32		31-Oct-11 14:37		31-Oct-11 14:34						
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-					60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-					90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-					1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-					300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-					10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-					200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-					300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-					300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-					400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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 of radioactive material in seawater. The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 1.2Bq/L, Cs-134: approx. 1.4Bq/L, Cs-137: approx. 1.3Bq/L

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 Radioactive Materials in Seawater＜Offshore of Ibaraki Prefecture 1/2＞

Place of Sampling	3 km offshore of Takadokobama shore Upper Layer		3 km offshore of Takadokobama shore Lower Layer		3 km offshore of Kujihama shore Upper Layer		3 km offshore of Kujihama shore Lower Layer		3 km offshore of Oarai shore Upper Layer		3 km offshore of Oarai shore Lower Layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	8-Nov-11 7:28		8-Nov-11 7:26		9-Nov-11 8:35		9-Nov-11 8:34		9-Nov-11 8:08		9-Nov-11 8:06		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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 of radioactive material in seawater. The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 1.0Bq/L, Cs-134: approx. 1.4Bq/L, Cs-137: approx. 1.3Bq/L

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 Radioactive Materials in Seawater＜Offshore of Ibaraki Prefecture 2/2＞

Place of Sampling	3 km offshore of Hirai shore Upper Layer		3 km offshore of Hirai shore Lower Layer		3 km offshore of Hasaki shore Upper Layer		3 km offshore of Hasaki shore Lower Layer						② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	8-Nov-11 13:51		8-Nov-11 13:48		7-Nov-11 15:52		7-Nov-11 15:48						
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-					60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-					90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-					1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-					300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-					10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-					200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-					300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-					300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-					400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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 of radioactive material in seawater. The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 1.2Bq/L, Cs-134: approx. 1.3Bq/L, Cs-137: approx. 1.3Bq/L

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 Radioactive Materials in Seawater＜Miyagi prefecture offshore 1/3＞

Place of Sampling	Ishinomaki bayUpper Layer		Ishinomaki bayMiddle Layer		Ishinomaki bayLower Layer		Offshore of East side of Kinkasan Upper Layer		Offshore of East side of Kinkasan Middle Layer		Offshore of East side of Kinkasan Lower Layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	10-Nov-11 10:18		10-Nov-11 10:23		10-Nov-11 10:20		10-Nov-11 8:08		10-Nov-11 8:20		10-Nov-11 8:13		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 1.0Bq/L, Cs-134: approx. 1.2Bq/L, Cs-137: approx. 1.2Bq/L

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 Radioactive Materials in Seawater＜Miyagi prefecture offshore 2/3＞

Place of Sampling	Offshore of South side of Kinkasan Upper Layer		Offshore of South side of Kinkasan Middle Layer		Offshore of South side of Kinkasan Lower Layer		Offshore of Shichigahama Upper Layer		Offshore of Shichigahama Middle Layer		Offshore of Shichigahama Lower Layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	10-Nov-11 8:55		10-Nov-11 9:06		10-Nov-11 8:57		10-Nov-11 9:22		10-Nov-11 9:25		10-Nov-11 9:18		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.89Bq/L, Cs-134: approx. 1.1Bq/L, Cs-137: approx. 1.1Bq/L

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 Radioactive Materials in Seawater＜Miyagi prefecture offshore 3/3＞

Place of Sampling	Central area of Sendai bay Upper Layer		Central area of Sendai bay MIddle Layer		Central area of Sendai bay Lower Layer		Offshore of Abukumagawa Upper Layer		Offshore of Abukumagawa Middle Layer		Offshore of Abukumagawa Lower Layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	10-Nov-11 7:25		10-Nov-11 7:16		10-Nov-11 7:06		10-Nov-11 8:18		10-Nov-11 8:23		10-Nov-11 8:15		
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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 （approx. 40hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

* 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: I-131: approx. 0.99Bq/L, Cs-134: approx. 1.1Bq/L, Cs-137: approx. 1.2Bq/L
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

Place of Sampling	3 km offshore of Onahama Port	3 km offshore of Ena Port			
Time of Sampling	2011/11/7 6:10	2011/11/7 6:50			
Detected Nuclides (Half-life)	Density of sample (Bq/kg)				
I-131 (about 8 days)	ND	ND			
Cs-134 (about 2 years)	330	520			
Cs-137 (about 30 years)	420	620			
Mn-54 (approx.310days)	ND	ND			
Co-60 (approx.5yrs)	ND	ND			
Tc-99m (approx.6hrs)	ND	ND			
Ag-110m (approx.250days)	ND	ND			
Te-129 (approx.70mins)	ND	ND			
Te-129m (approx.34days)	ND	ND			
Cs-136 (approx.13days)	ND	ND			
Ba-140 (approx.13days)	ND	ND			
La-140 (approx.40hrs)	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。
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

Place of Sampling	15km offshore of Minami Soma city	5 km offshore of Numanouchi			
Time of Sampling	2011/11/9 (Not sampled)	2011/11/9 7:40			
Detected Nuclides (Half-life)	Density of Sample （Bq/kg・moist soil)				
I-131 (about 8 days)	-	ND			
Cs-134 (about 2 years)	-	95			
Cs-137 (about 30 years)	-	120			
Mn-54 (approx.310days)	-	ND			
Co-60 (approx.5yrs)	-	ND			
Tc-99m (approx.6hrs)	-	ND			
Ag-110m (approx.250days)	-	ND			
Sb-125 (approx.3yrs)	-	15			
Te-129 (approx.70mins)	-	ND			
Te-129m (approx.34days)	-	ND			
Cs-136 (approx.13days)	-	ND			
Ba-140 (approx.13days)	-	ND			
La-140 (approx.40hrs)	-	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. 4Bq/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

Place of Sampling	15km offshore of Minami Soma city	8km offshore of Haramachi-ku	3km offshore of Kotaka-ku	8km offshore of Odaka-ku	
Time of Sampling	2011/11/10 9:40	2011/11/10 10:20	2011/11/10 10:50	2011/11/10 11:10	
Detected Nuclides (Half-life)	Density of Sample （Bq/kg・moist soil)				
I-131 (about 8 days)	ND	ND	ND	ND	
Cs-134 (about 2 years)	14	29	31	29	
Cs-137 (about 30 years)	17	34	41	37	
Mn-54 (approx.310days)	ND	ND	ND	ND	
Co-60 (approx.5yrs)	ND	ND	ND	ND	
Tc-99m (approx.6hrs)	ND	ND	ND	ND	
Ag-110m (approx.250days)	ND	ND	ND	ND	
Sb-125 (approx.3yrs)	ND	ND	ND	ND	
Te-129 (approx.70mins)	ND	ND	ND	ND	
Te-129m (approx.34days)	ND	ND	ND	ND	
Cs-136 (approx.13days)	ND	ND	ND	ND	
Ba-140 (approx.13days)	ND	ND	ND	ND	
La-140 (approx.40hrs)	ND	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. 2Bq/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

Place of Sampling	15 km offshore of Ukedo-gawa	15 km offshore of Fukushima Daiichi	15 km offshore of Fukushima Daini		
Time of Sampling	2011/11/11 9:20	2011/11/11 8:45	2011/11/11 8:00		
Detected Nuclides (Half-life)	Density of Sample（Bq/kg・moist soil)				
I-131 (about 8 days)	ND	ND	ND		
Cs-134 (about 2 years)	30	110	81		
Cs-137 (about 30 years)	40	140	98		
Mn-54 (approx.310days)	ND	ND	ND		
Co-60 (approx.5yrs)	ND	ND	ND		
Tc-99m (approx.6hrs)	ND	ND	ND		
Ag-110m (approx.250days)	ND	ND	ND		
Sb-125 (approx.3yrs)	ND	ND	ND		
Te-129 (approx.70mins)	ND	ND	ND		
Te-129m (approx.34days)	ND	ND	ND		
Cs-136 (approx.13days)	ND	ND	ND		
Ba-140 (approx.13days)	ND	ND	ND		
La-140 (approx.40hrs)	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. 4Bq/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

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)	
Time of Sampling	2011/11/14 9:15	2011/11/14 8:55	2011/11/14 (Not sampled)	2011/11/14 8:00	
Detected Nuclides (Half-life)	Density of Sample （Bq/kg・moist soil)				
I-131 (about 8 days)	ND	ND	-	ND	
Cs-134 (about 2 years)	1,800	790	-	120	
Cs-137 (about 30 years)	2,200	980	-	160	
Mn-54 (approx.310days)	ND	5.8	-	ND	
Co-60 (approx.5yrs)	ND	ND	-	ND	
Tc-99m (approx.6hrs)	ND	ND	-	ND	
Ag-110m (approx.250days)	ND	ND	-	ND	
Sb-125 (approx.3yrs)	ND	ND	-	ND	
Te-129 (approx.70mins)	ND	ND	-	ND	
Te-129m (approx.34days)	ND	ND	-	ND	
Cs-136 (approx.13days)	ND	ND	-	ND	
Ba-140 (approx.13days)	ND	ND	-	ND	
La-140 (approx.40hrs)	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. 14Bq/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 Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi

Place of Sampling	Upper part of reactor building of Unit 1		Upper part of reactor building of Unit 4				②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/5/22 13:15～13:35		2011/5/23 14:17～14:37				
Detected Nuclides (Half-life)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	
I-131 (about 8 days)	7.6E-05	0.08	1.4E-05	0.01			1E-03
Cs-134 (about 2 years)	3.6E-04	0.18	1.5E-04	0.08			2E-03
Cs-137 (about 30 years)	4.2E-04	0.14	1.5E-04	0.05			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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'
* O.OE－O means O.O x 10-O
* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.
The detection limit of major 3 nuclide are as follows: particulate I-131 approx 2E-5Bq/cm^3
Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi

Place of Sampling	Upper part of reactor building of Unit 3						②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3）*
Time of Sampling	2011/6/13 15:33～15:53						
Detected Nuclides (Half-life)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	3.0E-04	0.30					1E-03
Cs-134 (about 2 years)	5.6E-04	0.28					2E-03
Cs-137 (about 30 years)	5.4E-04	0.18					3E-03
Nb-95 (approx.35days)	ND	-					2E-02
Tc-99m (approx.6hrs)	ND	-					7E-01
Ag-110m (approx.250days)	ND	-					3E-03
Te-129(approx.70mins)	ND	-					4E-01
Te-129m (approx.34days)	2.0E-04	0.05					4E-03
I-132(approx.2hrs)	ND	-					7E-02
Te-132 （approx.78hrs ）	ND	-					4E-03
I-133(approx.21hrs)	ND	-					5E-03
Cs-136 (approx.13days)	ND	-					1E-02
Ba-140 (approx.13days)	ND	-					1E-02
La-140 (approx.40hrs)	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'
* O.OE－O means O.O x 10-O
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi

Place of Sampling	Upper part of reactor building of Unit 4（before spraying antiscattering agents）		Upper part of reactor building of Unit 4（after spraying antiscattering agents）				②Density limit in the air to workers engaged in tasks associated with radiation（Bq/cm3）*
Time of Sampling	2011/6/18 12:23～12:43		2011/6/18 14:38～14:58				
Detected Nuclides (Half-life)	①density of sample（Bq/cm3）	Scaling Factor (①/②)	①density of sample（Bq/cm3）	Scaling Factor (①/②)	①density of sample（Bq/cm3）	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	8.4E-05	0.04	1.2E-04	0.06			2E-03
Cs-137 (about 30 years)	1.0E-04	0.03	1.1E-04	0.04			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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'
* O.OE－O means O.O x 10-O
* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.
The detection limit of major 3 nuclide are as follows: volatile I-131 approx 1E-5Bq/cm^3
particulate I-131 approx 2E-5Bq/cm^3, Cs-134 approx 4E-5Bq/cm^3, Cs-137 approx 5E-5Bq/cm^3
Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi

Place of Sampling	Upper part of reactor building of Unit 1						②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/6/22 12:49～13:09						
Detected Nuclides (Half-life)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-					1E-03
Cs-134 (about 2 years)	2.4E-04	0.12					2E-03
Cs-137 (about 30 years)	2.4E-04	0.08					3E-03
Nb-95 (approx.35days)	ND	-					2E-02
Tc-99m (approx.6hrs)	ND	-					7E-01
Ag-110m (approx.250days)	ND	-					3E-03
Te-129(approx.70mins)	ND	-					4E-01
Te-129m (approx.34days)	ND	-					4E-03
I-132(approx.2hrs)	ND	-					7E-02
Te-132 （approx.78hrs ）	ND	-					4E-03
I-133(approx.21hrs)	ND	-					5E-03
Cs-136 (approx.13days)	ND	-					1E-02
Ba-140 (approx.13days)	ND	-					1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile I-131 approx 1E-5Bq/cm^3

particulate I-131 approx 2E-5Bq/cm^3

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi

Place of Sampling	Upper part of reactor building of Unit 3（1st sampling）		Upper part of reactor building of Unit 3 （2nd sampling）				②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3）*
Time of Sampling	2011/7/12 11:30～12:00		2011/7/12 15:00～15:30				
Detected Nuclides (Half-life)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	
I-131 (about 8 days)	4.6E-06	0.00	2.8E-06	0.00			1E-03
Cs-134 (about 2 years)	1.8E-05	0.01	1.1E-05	0.01			2E-03
Cs-137 (about 30 years)	8.9E-06	0.00	1.5E-05	0.01			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile Cs-134 approx 6E-6Bq/$cm^{3,}$ Cs-137 approx 6E-6Bq/cm3 particulate I-131 approx 1E-6Bq/$cm^{3,}$

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi

Place of Sampling	Upper part of reactor building of Unit 3 （1st sampling）		Upper part of reactor building of Unit 3 （2nd sampling）				②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/7/13 6:46～7:16		2011/7/13 11:00～11:30				
Detected Nuclides (Half-life)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	
I-131 (about 8 days)	2.3E-06	0.00	2.5E-06	0.00			1E-03
Cs-134 (about 2 years)	ND	-	6.4E-06	0.00			2E-03
Cs-137 (about 30 years)	1.1E-05	0.00	1.3E-05	0.00			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile Cs-134 approx 6E-6Bq/cm^3

particulate I-131 approx 1E-6Bq/cm^3, Cs-134 approx 4E-6Bq/cm^3

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi

Place of Sampling	Upper part of reactor building of Unit 1		Upper part of reactor building of Unit 2		Upper part of reactor building of Unit 3		②Density limit in the air to workers engaged in tasks associated with radiation（Bq/cm3）*
Time of Sampling	2011/7/24 4:31～5:55		2011/7/22 5:08～5:59		2011/7/23 4:40～6:07		
Detected Nuclides (Half-life)	①density of sample（Bq/cm3）	Scaling Factor (①/②)	①density of sample（Bq/cm3）	Scaling Factor (①/②)	①density of sample（Bq/cm3）	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	2.2E-04	0.11	ND	-	2E-03
Cs-137 (about 30 years)	ND	-	2.7E-04	0.09	ND	-	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132（approx.78hrs）	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 6E-5Bq/cm3, Cs-134 approx 2E-4Bq/cm3, Cs-137 approx 2E-4Bq/cm3

particulate I-131 approx 4E-5Bq/cm^3, Cs-134 approx 5E-5Bq/cm^3, Cs-137 approx 5E-5Bq/cm^3

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜1/2＞

Place of Sampling	Upper part of reactor building of Unit 1① （westside in upper part of reactor）		Upper part of reactor building of Unit 1② （eastside in upper part of reactor）		Upper part of reactor building of Unit 1③ （northside in upper part of reactor）		②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3）*
Time of Sampling	2011/8/24 9:00～9:30		2011/8/24 9:35～10:05		2011/8/24 11:30～12:00		
Detected Nuclides (Half-life)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	
I-131 (about 8 days)	2.8E-06	0.00	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	1.0E-03	0.50	6.6E-06	0.00	1.6E-04	0.08	2E-03
Cs-137 (about 30 years)	1.2E-03	0.40	5.4E-06	0.00	1.7E-04	0.06	3E-03
Nb-95 (approx.35days)	3.4E-06	0.00	ND	-	2.9E-06	0.00	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 2E-6Bq/cm3, Cs-134 approx 6E-6Bq/cm3, Cs-137 approx 6E-6Bq/cm3

particulate I-131 approx 5E-6Bq/cm^3

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜2/2＞

Place of Sampling	Upper part of reactor building of Unit 1④ （southside in upper part of reactor）						②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/8/24 12:05～12:35						
Detected Nuclides (Half-life)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-					1E-03
Cs-134 (about 2 years)	5.0E-05	0.03					2E-03
Cs-137 (about 30 years)	5.2E-05	0.02					3E-03
Nb-95 (approx.35days)	ND	-					2E-02
Tc-99m (approx.6hrs)	ND	-					7E-01
Ag-110m (approx.250days)	ND	-					3E-03
Te-129(approx.70mins)	2.6E-04	0.00					4E-01
Te-129m (approx.34days)	5.0E-05	0.01					4E-03
I-132(approx.2hrs)	ND	-					7E-02
Te-132 （approx.78hrs ）	ND	-					4E-03
I-133(approx.21hrs)	ND	-					5E-03
Cs-136 (approx.13days)	ND	-					1E-02
Ba-140 (approx.13days)	ND	-					1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

【Definite Report】Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜1/2＞

Place of Sampling	Upper part of reactor buildin of Unit 1 ① (northwest side in upper part of reactor)		Upper part of reactor buildin of Unit 1 ② (northeast side in upper part of reactor)		Upper part of reactor buildin of Unit 1 ③ (southwest side in upper part of reactor)		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/8/28 9:40～10:10		2011/8/28 10:15～10:45		2011/8/28 12:05～12:35		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	7.0E-06	0.00	5.7E-06	0.00	7.4E-06	0.00	2E-03
Cs-137 (about 30 years)	7.4E-06	0.00	5.3E-06	0.00	1.1E-05	0.00	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.
The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 2E-6Bq/cm3, Cs-134 approx 5E-6Bc particulate I-131 approx 1E-6Bq/cm^3
Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜2/2＞

Place of Sampling	Upper part of reactor buildin of Unit 1 ④ (southeast side in upper part of reactor)		Upper part of reactor building of Unit 1 ① (West lower side of machine hatch)		Upper part of reactor building of Unit 1 ② (West upper side of machine hatch)		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/8/28 12:45～13:15		2011/8/28 8:10～8:40		2011/8/28 8:45～9:15		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	5.6E-06	0.00	3.8E-05	0.02	2.6E-04	0.13	2E-03
Cs-137 (about 30 years)	5.3E-06	0.00	4.6E-05	0.02	3.3E-04	0.11	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.
The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 2E-6Bq/cm3, Cs-134 approx 5E-6Bc particulate I-131 approx 3E-6Bq/cm^3
Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi

Place of Sampling	Upper part of reactor building of Unit 2 ① (lower part of blow-out pannel opening)		Upper part of reactor building of Unit 2 ② (central part of blow-out pannel opening)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/8/29 10:35～11:35分		2011/8/29 12:20～13:20				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	9.6E-04	0.48	1.5E-03	0.75			2E-03
Cs-137 (about 30 years)	1.0E-03	0.33	1.6E-03	0.53			3E-03
Nb-95 (approx.35days)	5.4E-06	0.00	1.2E-05	0.00			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Sb-125 (approx.3yrs)	ND	-	5.5E-05	0.01			6E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx8E-6Bq/cm3

particulate I-131 approx 1E-5Bq/cm^3

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜1/2＞

Place of Sampling	Upper part of reactor building of Unit 1① （westside in upper part of reactor）		Upper part of reactor building of Unit 1② （eastside in upper part of reactor）		Upper part of reactor building of Unit 1③ （northside in upper part of reactor）		②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/9/11 9:45～10:15		2011/9/11 10:50～11:20		2011/9/11 12:05～12:35:		
Detected Nuclides (Half-life)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	2.8E-05	0.01	8.1E-05	0.04	8.9E-05	0.04	2E-03
Cs-137 (about 30 years)	4.1E-05	0.01	1.0E-04	0.03	1.1E-04	0.04	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.
The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx3E-6Bq/cm3
particulate I-131 approx 2E-6Bq/cm^3
Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜2/2＞

Place of Sampling	Upper part of reactor building of Unit 1④ （southside in upper part of reactor）						②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/9/11 12:55～13:25						
Detected Nuclides (Half-life)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-					1E-03
Cs-134 (about 2 years)	1.5E-04	0.08					2E-03
Cs-137 (about 30 years)	2.0E-04	0.07					3E-03
Nb-95 (approx.35days)	ND	-					2E-02
Tc-99m (approx.6hrs)	ND	-					7E-01
Ag-110m (approx.250days)	ND	-					3E-03
Te-129(approx.70mins)	ND	-					4E-01
Te-129m (approx.34days)	ND	-					4E-03
I-132(approx.2hrs)	ND	-					7E-02
Te-132 （approx.78hrs ）	ND	-					4E-03
I-133(approx.21hrs)	ND	-					5E-03
Cs-136 (approx.13days)	ND	-					1E-02
Ba-140 (approx.13days)	ND	-					1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx2E-6Bq/cm3

particulate I-131 approx 3E-6Bq/cm^3

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi

Place of Sampling	Upper part of reactor building of Unit 3① （westside in upper part of reactor）		Upper part of reactor building of Unit 3② （northside in upper part of reactor）				②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/9/12 8:05～8:35		2011/9/12 9:05～9:35				
Detected Nuclides (Half-life)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	1.9E-04	0.10	6.4E-05	0.03			2E-03
Cs-137 (about 30 years)	2.2E-04	0.07	7.6E-05	0.03			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	5.9E-06	0.00	ND	-			3E-03
Sb-125 (approx.3yrs)	1.1E-05	0.00	ND	-			6E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	1.3E-04	0.03	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 2E-6Bq/cm3, Cs-134 approx 5E-6Bq/cm3, Cs-137 approx 5E-6Bq/cm3

particulate I-131 approx 3E-6Bq/cm^3

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜1/2＞

Place of Sampling	Upper part of reactor building of Unit 2 ① (central part of blow-out pannel)		Upper part of reactor building of Unit 2 ② (lower part of blow-out pannel)		Upper part of reactor building of Unit 2 ③ (central part of blow-out pannel) (after closing large equipment hatch)		②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/9/17 10:05～11:05		2011/9/17 10:05～11:05		2011/9/17 14:43～15:43		
Detected Nuclides (Half-life)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	1.9E-05	0.01	1.0E-05	0.01	6.4E-05	0.03	2E-03
Cs-137 (about 30 years)	2.7E-05	0.01	1.1E-05	0.00	7.5E-05	0.03	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 8E-6Bq/cm3, Cs-134 approx 2E-5Bq/cm3, Cs-137 approx 2E-5Bq/cm3

particulate I-131 approx 4E-6Bq/cm^3

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜2/2＞

Place of Sampling	Upper part of reactor building of Unit 2 ④ (lower part of blow-out pannel) (after closing large equipment hatch)		Upper part of reactor building of Unit 2 ⑤ (northern central part of blow-out pannel)		Upper part of reactor building of Unit 2 ⑥ (northern central part of blow-out pannel) (after closing large equipment		②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/9/17 14:43～15:43		2011/9/17 10:05～11:05		2011/9/17 14:43～15:43		
Detected Nuclides (Half-life)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	1.2E-05	0.01	2.1E-05	0.01	4.0E-05	0.02	2E-03
Cs-137 (about 30 years)	2.3E-05	0.01	2.9E-05	0.01	4.9E-05	0.02	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 8E-6Bq/cm3, Cs-134 approx 2E-5Bq/cm3, Cs-137 approx 2E-5Bq/cm3

particulate I-131 approx 4E-6Bq/cm^3

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi

Place of Sampling	Upper part of reactor buildin of Unit 1 ① (northwest side in upper part of reactor)		Upper part of reactor buildin of Unit 1 ② (northeast side in upper part of reactor)		Upper part of reactor buildin of Unit 1 ③ (upper side of machine hatch)		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/10/3 8:55～9:25		2011/10/3 9:40～10:10		2011/10/3 11:05～12:05		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	2.2E-04	0.11	4.3E-04	0.22	6.7E-05	0.03	2E-03
Cs-137 (about 30 years)	2.9E-04	0.10	5.6E-04	0.19	7.8E-05	0.03	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Sb-125 (approx.3yrs)	1.4E-05	0.00	1.4E-05	0.00	ND	-	6E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 6E-6Bq/cm3, Cs-134 approx 2E-5Bq/cm3, Cs-137 approx 2E-5Bq/cm3

particulate I-131 approx 4E-6Bq/cm^3

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi

Place of Sampling	Upper part of reactor building of Unit 2 ① (west central part of blow-out pannel opening)		Upper part of reactor building of Unit 2 ② (north central part of blow-out pannel opening)		Upper part of reactor building of Unit 2 ③ (lower part of blow-out pannel opening)		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/10/5 9:26～10:26		2011/10/5 9:26～10:26		2011/10/5 9:26～10:26		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	1.3E-05	0.01	ND	-	ND	-	2E-03
Cs-137 (about 30 years)	1.2E-05	0.00	ND	-	ND	-	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Sb-125 (approx.3yrs)	ND	-	ND	-	ND	-	6E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 6E-6Bq/cm3, Cs-134 approx 2E-5Bq/cm3, Cs-137 approx 2E-5E particulate I-131 approx 4E-6Bq/cm^3, Cs-134 approx 1E-5Bq/cm^3, Cs-137 approx 1E-5Bq/cm^3

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜1/2＞

Place of Sampling	Upper part of reactor building of Unit 3 ① (west side in upper part of reactor (downward))		Upper part of reactor building of Unit 3 ② (west side in upper part of reactor (sideward))		Upper part of reactor building of Unit 3 ③ (north side in upper part of reactor (downward))		②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/10/6 14:13～14:43		Data unavailable due to machine trouble		2011/10/6 15:17～15:47		
Detected Nuclides (Half-life)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	-	-	ND	-	1E-03
Cs-134 (about 2 years)	9.2E-04	0.46	-	-	1.0E-04	0.05	2E-03
Cs-137 (about 30 years)	1.1E-03	0.37	-	-	1.1E-04	0.04	3E-03
Nb-95 (approx.35days)	ND	-	-	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	-	-	ND	-	7E-01
Ag-110m (approx.250days)	1.5E-05	0.01	-	-	7.8E-06	0.00	3E-03
Te-129(approx.70mins)	ND	-	-	-	ND	-	4E-01
Te-129m (approx.34days)	2.5E-04	0.06	-	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	-	-	ND	-	7E-02
Te-132 （approx.78hrs ）	ND	-	-	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	-	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	-	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	-	-	ND	-	1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 9E-6Bq/cm3, Cs-137 approx 2E-5Bq/cm3 particulate I-131 approx 1E-5Bq/cm^3

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜2/2＞

Place of Sampling	Upper part of reactor building of Unit 3 ④ (north side in upper part of reactor (sideward))						②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/10/6 15:17～15:47						
Detected Nuclides (Half-life)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-					1E-03
Cs-134 (about 2 years)	7.2E-05	0.04					2E-03
Cs-137 (about 30 years)	7.8E-05	0.03					3E-03
Nb-95 (approx.35days)	ND	-					2E-02
Tc-99m (approx.6hrs)	ND	-					7E-01
Ag-110m (approx.250days)	ND	-					3E-03
Te-129(approx.70mins)	ND	-					4E-01
Te-129m (approx.34days)	ND	-					4E-03
I-132(approx.2hrs)	ND	-					7E-02
Te-132 （approx.78hrs ）	ND	-					4E-03
I-133(approx.21hrs)	ND	-					5E-03
Cs-136 (approx.13days)	ND	-					1E-02
Ba-140 (approx.13days)	ND	-					1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.
The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 1E-5Bq/cm3
particulate I-131 approx 6E-6Bq/cm^3
Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi

Place of Sampling	Upper part of reactor building of Unit 1 ① (around machine hatch opening 4th floor)		Upper part of reactor building of Unit 1 ② (large equipment hatch of reactor building)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/10/7 11:44～13:44		2011/10/7 12:03～14:03				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	9.7E-04	0.49	1.3E-04	0.07			2E-03
Cs-137 (about 30 years)	1.1E-03	0.37	1.8E-04	0.06			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	6.3E-06	0.00			3E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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'
* O.OE－O means O.O x 10-O
* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.
The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 3E-6Bq/cm3
particulate I-131 approx 6E-6Bq/cm^3
Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜1/2＞

Place of Sampling	Upper part of reactor building of Unit 3 ① (west side in upper part of reactor (downward))		Upper part of reactor building of Unit 3 ② (west side in upper part of reactor (sideward))		Upper part of reactor building of Unit 3 ③ (north side in upper part of reactor (downward))		②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/10/11 13:45～14:15		2011/10/11 13:45～14:15		2011/10/11 14:47～15:17		
Detected Nuclides (Half-life)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	1.3E-03	0.65	6.1E-03	3.1	1.6E-04	0.08	2E-03
Cs-137 (about 30 years)	1.5E-03	0.50	7.3E-03	2.4	2.0E-04	0.07	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	4.8E-05	0.02	1.2E-04	0.04	ND	-	3E-03
Sn-113 (approx 120 days)	ND	-	3.8E-05	0.00	ND	-	1E-02
Te-129(approx.70mins)	3.0E-04	0.00	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	1.9E-03	0.48	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 1E-5Bq/cm3

particulate I-131 approx 2E-5Bq/cm^3

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜2/2＞

Place of Sampling	Upper part of reactor building of Unit 3 ④ (north side in upper part of reactor (sideward))						②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/10/11 14:47～15:17						
Detected Nuclides (Half-life)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-					1E-03
Cs-134 (about 2 years)	4.1E-04	0.21					2E-03
Cs-137 (about 30 years)	4.7E-04	0.16					3E-03
Nb-95 (approx.35days)	ND	-					2E-02
Tc-99m (approx.6hrs)	ND	-					7E-01
Ag-110m (approx.250days)	6.3E-05	0.02					3E-03
Sn-113 (approx.120days)	ND	-					1E-02
Te-129(approx.70mins)	ND	-					4E-01
Te-129m (approx.34days)	9.4E-04	0.24					4E-03
I-132(approx.2hrs)	ND	-					7E-02
Te-132 （approx.78hrs ）	ND	-					4E-03
I-133(approx.21hrs)	ND	-					5E-03
Cs-136 (approx.13days)	ND	-					1E-02
Ba-140 (approx.13days)	ND	-					1E-02
La-140 (approx.40hrs)	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'
* O.OE－O means O.O x 10-O
* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.
The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 9E-6Bq/cm3
particulate I-131 approx 9E-6Bq/cm^3
Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi

Place of Sampling	Upper part of reactor building of Unit 1 ① (around machine hatch opening 4th floor)		Upper part of reactor building of Unit 1 ② (large equipment hatch of reactor building)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/10/12 14:17～15:17		2011/10/12 14:17～15:17				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	1.2E-04	0.06	1.2E-05	0.01			2E-03
Cs-137 (about 30 years)	1.4E-04	0.05	3.3E-05	0.01			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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'
* O.OE－O means O.O x 10-O
* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.
The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 7E-6Bq/cm3, Cs-134 approx 2E-4Bc particulate I-131 approx 4E-6Bq/cm^3
Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi

Place of Sampling	Upper part of reactor building of Unit 1 ① (around machine hatch opening 3rd floor)		Upper part of reactor building of Unit 1 ② (around machine hatch opening 3rd floor)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/10/12 8:41～9:11		2011/10/12 9:38～10:08				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	9.9E-05	0.05	3.4E-04	0.17			2E-03
Cs-137 (about 30 years)	1.1E-04	0.04	4.3E-04	0.14			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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'
* O.OE－O means O.O x 10-O
* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.
The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 1E-5Bq/cm3
particulate I-131 approx 6E-6Bq/cm^3
Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi

Place of Sampling	Upper part of reactor building of Unit 2 ① (western central part of blow-out pannel)		Upper part of reactor building of Unit 2 ② (northern central part of blow-out pannel)		Upper part of reactor building of Unit 2 ③ (lower part of blow-out pannel)		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/10/13 10:00～12:00		2011/10/13 10:00～12:00		2011/10/13 10:00～12:00		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	1.2E-04	0.06	6.9E-05	0.03	3.4E-05	0.02	2E-03
Cs-137 (about 30 years)	1.7E-04	0.06	9.3E-05	0.03	2.6E-05	0.01	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	4.7E-06	0.00	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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'
* O.OE－O means O.O x 10-O
* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.
The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 4E-6Bq/cm3, Cs-137 approx 8E-6Bc particulate I-131 approx 2E-6Bq/cm^3
Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi ＜1/4＞

Place of Sampling	Upper part of reactor building of Unit 1 ① (around machine hatch opening 4th floor)		Upper part of reactor building of Unit 1 ② (large equipment hatch of reactor building)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/10/25 11:31～12:31		2011/10/25 11:31～12:31				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	1.6E-04	0.08	3.7E-05	0.02			2E-03
Cs-137 (about 30 years)	2.0E-04	0.07	4.6E-05	0.02			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Sb-125 （approx 3 years）	2.0E-05	0.00	ND	-			6E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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
* O.OE－O means O.O x 10-O
* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.
The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 7E-6Bq/cm3,
particulate I-131 approx 5E-6Bq/cm^3
Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜2/4＞

Place of Sampling	Upper part of reactor building of Unit 1 ③ (entrance of cover exhaust system filter)		Upper part of reactor building of Unit 1 ④ (exit of cover exhaust system filter)				②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/10/25 7:40～8:40		2011/10/25 11:47～12:47				
Detected Nuclides (Half-life)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	9.2E-05	0.05	ND	-			2E-03
Cs-137 (about 30 years)	1.2E-04	0.04	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Sb-125 （approx 3 years）	5.7E-06	0.00	ND	-			6E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	ND	-	ND	-			1E-02

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: Particle I-131 approx 8E-7Bq/cm3, Cs-134 approx 7E-7Bq/cm3, Cs-137 approx 8E-7Bq/cm3

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜3/4＞

Place of Sampling	Upper part of reactor building of Unit 1 ⑤ （northwest corner of cover）		Upper part of reactor building of Unit 1 ⑥ （northeast corner of cover）		Upper part of reactor building of Unit 1 ⑦ （southwest corner of cover）		②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3）*
Time of Sampling	2011/10/25 5:38～6:38		2011/10/25 4:36～5:36		2011/10/25 6:39～7:39		
Detected Nuclides (Half-life)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	5.5E-05	0.03	5.5E-05	0.03	6.5E-05	0.03	2E-03
Cs-137 (about 30 years)	7.3E-05	0.02	7.5E-05	0.03	8.5E-05	0.03	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Sb-125 （approx 3 years）	3.6E-06	0.00	3.1E-06	0.00	3.3E-06	0.00	6E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	1E-02

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: Particle I-131 approx 8E-7Bq/cm3

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜4/4＞

Place of Sampling	Upper part of reactor building of Unit 1 ⑧ （operating floor opening of reactor building）		Upper part of reactor building of Unit 1 ⑨ （top sheathing of spent fuel pool）				②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3）*
Time of Sampling	2011/10/25 10:44～11:44		2011/10/25 8:42～9:42				
Detected Nuclides (Half-life)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	6.7E-05	0.03	8.8E-05	0.04			2E-03
Cs-137 (about 30 years)	8.6E-05	0.03	1.2E-04	0.04			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	7.0E-07	0.00			3E-03
Sb-125 （approx 3 years）	2.8E-06	0.00	3.3E-06	0.00			6E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	ND	-	ND	-			1E-02

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: Particle I-131 approx 8E-7Bq/cm3

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi

Place of Sampling	Upper part of reactor building of Unit 2 ① (western central part of blow-out pannel)		Upper part of reactor building of Unit 2 ② (northern central part of blow-out pannel)		Upper part of reactor building of Unit 2 ③ (lower part of blow-out pannel)		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	Data unavailable due to machine trouble		2011/10/25 10:31～12:31		2011/10/25 10:31～12:31		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	-	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	-	-	1.8E-05	0.01	2.0E-05	0.01	2E-03
Cs-137 (about 30 years)	-	-	2.2E-05	0.01	1.9E-05	0.01	3E-03
Nb-95 (approx.35days)	-	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	-	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	-	-	ND	-	1.7E-06	0.00	3E-03
Te-129(approx.70mins)	-	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	-	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	-	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs ）	-	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	-	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	-	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	-	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	-	-	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'
* O.OE－O means O.O x 10-O
* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.
The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 3E-6Bq/cm3, Cs-134 approx 8E-6Bq/cm3, Cs-137 approx 9E-6E particulate I-131 approx 2E-6Bq/cm^3
Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi

Place of Sampling	Upper part of reactor building of Unit 2 ① (western central part of blow-out pannel)		Upper part of reactor building of Unit 2 ② (northern central part of blow-out pannel)		Upper part of reactor building of Unit 2 ③ (lower part of blow-out pannel)		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/11/1 11:23～13:23		2011/11/1 11:23～13:23		2011/11/1 11:23～13:23		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	1.5E-05	0.01	1.8E-05	0.01	8.4E-06	0.00	2E-03
Cs-137 (about 30 years)	1.7E-05	0.01	1.9E-05	0.01	7.3E-06	0.00	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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'
* O.OE－O means O.O x 10-O
* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.
The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 3E-6Bq/cm3,
Cs-134 approx 7E-6Bq/cm3, Cs-137 approx 9E-6Bq/cm3
particulate I-131 approx 2E-6Bq/cm^3
Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi ＜1/2＞

Place of Sampling	Upper part of reactor building of Unit 1 ① (around machine hatch opening 4th floor)		Upper part of reactor building of Unit 1 ② (large equipment hatch of reactor building)				②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/11/4 13:35～14:35		2011/11/4 13:35～14:35				
Detected Nuclides (Half-life)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	1.4E-04	0.07	ND	-			2E-03
Cs-137 (about 30 years)	2.0E-04	0.07	1.8E-05	0.01			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Sb-125 （approx 3 years）	2.3E-05	0.00	ND	-			6E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	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
*　O.OE－O means O.O x 10-O
* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.
The detection limit of major 3 nuclide are as follows: volatile I-131 approx 6E-6Bq/cm3, Cs-134 approx 2E-5Bq/cm3 particulate I-131 approx 4E-6Bq/cm^3, Cs-134 approx 9E-6Bq/cm^3, Cs-137 approx 1E-5Bq/cm^3
Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜2/2＞

Place of Sampling	Upper part of reactor building of Unit 1 ③ (entrance of cover exhaust system filter)		Upper part of reactor building of Unit 1 ④ (exit of cover exhaust system filter)				②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/11/4 9:08～10:08		2011/11/4 8:56～9:56				
Detected Nuclides (Half-life)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	2.5E-05	0.01	ND	-			2E-03
Cs-137 (about 30 years)	3.2E-05	0.01	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Sb-125 （approx 3 years）	3.5E-06	0.00	ND	-			6E-03
Te-129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	ND	-	ND	-			1E-02

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows:

particulate I-131 approx 7E-7Bq/cm^{3,} Cs-134 approx 1E-6Bq/cm^{3}, Cs-137 approx 1E-6Bq/cm^{3}

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜1/2＞

Place of Sampling	Upper part of reactor buildin of Unit 3 ① (southwest side in upper part of reactor （downward）)		Upper part of reactor buildin of Unit 3 ② (southwest side in upper part of reactor （sideward）)		Upper part of reactor buildin of Unit 3 ③ (south side in upper part of reactor （downward）)		②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/11/5 11:25～11:55		2011/11/5 11:25～11:55		2011/11/5 12:27～12:57		
Detected Nuclides (Half-life)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	7.8E-05	0.04	2.5E-04	0.13	5.1E-05	0.03	2E-03
Cs-137 (about 30 years)	1.0E-04	0.03	3.1E-04	0.10	6.7E-05	0.02	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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'
* O.OE－O means O.O x 10-O
* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.
The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 1E-5Bq/cm3, Cs-134 approx 2E-5Bq/cm3, Cs-137 approx 3E-5Bq/cm3
particulate I-131 approx 7E-6Bq/cm^3
Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜2/2＞

Place of Sampling	Upper part of reactor buildin of Unit 3 ④ (south side in upper part of reactor（sideward）)		Upper part of reactor buildin of Unit 3 ⑤ (southeast side in upper part of reactor（downward）)		Upper part of reactor buildin of Unit 3 ⑥ (southeast side in upper part of reactor（sideward）)		②Density limit in the air to workers engaged in tasks associated with radiation（Bq/cm3）*
Time of Sampling	2011/11/5 12:27～12:57		Data unavailable due to machine trouble		2011/11/5 13:30～14:00		
Detected Nuclides (Half-life)	①density of sample（Bq/cm3)	Scaling Factor (①/②)	①density of sample（Bq/cm3)	Scaling Factor (①/②)	①density of sample（Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	-	-	ND	-	1E-03
Cs-134 (about 2 years)	1.2E-04	0.06	-	-	6.0E-04	0.30	2E-03
Cs-137 (about 30 years)	1.8E-04	0.06	-	-	7.4E-04	0.25	3E-03
Nb-95 (approx.35days)	ND	-	-	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	-	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	-	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	-	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	-	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	-	-	ND	-	7E-02
Te-132 （approx.78hrs ）	ND	-	-	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	-	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	-	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	-	-	ND	-	1E-02
La-140 (approx.40hrs)	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'
* O.OE－O means O.O x 10-O
* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.
The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 1E-5Bq/cm3
particulate I-131 approx 7E-6Bq/cm^3
Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi ＜1/3＞

Place of Sampling	Upper part of reactor building of Unit 3 ① (north side in upper part of reactor (downward))		Upper part of reactor building of Unit 3 ② (southwest side in upper part of reactor (sideways))		Upper part of reactor building of Unit 3 ③ (northside in upper part of reactor (downward))		②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/11/9 9:22～9:52		2011/11/9 9:22～9:52		2011/11/9 10:25～10:55		
Detected Nuclides (Half-life)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	5.0E-04	0.25	7.4E-04	0.37	2.1E-03	1.1	2E-03
Cs-137 (about 30 years)	6.0E-04	0.20	8.9E-04	0.30	2.6E-03	0.87	3E-03
Co-60 (approx.5yrs)	ND	-	3.3E-06	0.00	ND	-	1E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	9.7E-06	0.00	4.1E-05	0.01	3E-03
Sb-125 (approx.3yrs)	2.8E-05	0.00	ND	-	ND		6E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 1E-5Bq/cm3

particulate I-131 approx 1E-5Bq/cm^3

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi ＜2/3＞

Place of Sampling	Upper part of reactor building of Unit 3 ④ (northtside in upper part of reactor (sideways))		Upper part of reactor buildin of Unit 3 ⑤ (northeast side in upper part of reactor (downward))		Upper part of reactor buildin of Unit 3 ⑥ (northeast side in upper part of reactor (sideward))		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/11/9 10:25～10:55		2011/11/9 11:25～11:55		2011/11/9 11:25～11:55		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	8.5E-04	0.43	7.5E-04	0.38	2.1E-03	1.1	2E-03
Cs-137 (about 30 years)	1.1E-03	0.37	9.8E-04	0.33	2.6E-03	0.87	3E-03
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	1E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	1.0E-05	0.00	1.7E-05	0.01	3.9E-05	0.01	3E-03
Sb-125 (approx.3yrs)	ND	-	ND	-	ND	-	6E-03
Te-129(approx.70mins)	ND	-	ND	-	2.0E-04	0.00	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.
The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 1E-5Bq/cm3
particulate I-131 approx 2E-5Bq/cm^3
Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜3/3＞

Place of Sampling	Upper part of reactor buildin of Unit 3 ⑦ (around machine hatch opening 3rd floor)						②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/11/9 12:25～12:55						
Detected Nuclides (Half-life)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	①density of sample （Bq/cm3）	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-					1E-03
Cs-134 (about 2 years)	1.9E-04	0.10					2E-03
Cs-137 (about 30 years)	2.3E-04	0.08					3E-03
Co-60 (approx.5yrs)	ND	-					1E-03
Nb-95 (approx.35days)	ND	-					2E-02
Tc-99m (approx.6hrs)	ND	-					7E-01
Ag-110m (approx.250days)	ND	-					3E-03
Sb-125 (approx.3yrs)	ND	-					6E-03
Te-129(approx.70mins)	ND	-					4E-01
Te-129m (approx.34days)	ND	-					4E-03
I-132(approx.2hrs)	ND	-					7E-02
Te-132 （approx.78hrs）	ND	-					4E-03
I-133(approx.21hrs)	ND	-					5E-03
Cs-136 (approx.13days)	ND	-					1E-02
Ba-140 (approx.13days)	ND	-					1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.
The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 1E-5Bq/cm3
particulate I-131 approx 6E-6Bq/cm^3
Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜1/3＞

Place of Sampling	Upper part of reactor building of Unit 3 ③ (north side in upper part of reactor (downward))		Upper part of reactor building of Unit 3 ② (southwest side in upper part of reactor (sideways))		Upper part of reactor building of Unit 3 ③ (northside in upper part of reactor (downward))		②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/11/10 10:00～10:30		2011/11/10 10:00～10:30		2011/11/10 11:00～11:30		
Detected Nuclides (Half-life)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	3.6E-04	0.18	5.7E-04	0.29	5.8E-04	0.29	2E-03
Cs-137 (about 30 years)	4.7E-04	0.16	7.4E-04	0.25	7.2E-04	0.24	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	6.3E-06	0.00	ND	-	ND	-	3E-03
Sb-125 (approx.3yrs)	3.8E-05	0.01	ND	-	ND	-	6E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 1E-5Bq/cm3

particulate I-131 approx 8E-6Bq/cm^3

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜2/3＞

Place of Sampling	Upper part of reactor building of Unit 3 ④ (northtside in upper part of reactor (sideways))		Upper part of reactor buildin of Unit 3 ⑤ (northeast side in upper part of reactor (downward))		Upper part of reactor buildin of Unit 3 ⑥ (northeast side in upper part of reactor (sideward))		②Density limit in the air to workers engaged in tasks associated with radiation （Bq/cm3） *
Time of Sampling	2011/11/10 11:00～11:30		2011/11/10 12:00～12:30		2011/11/10 12:00～12:30		
Detected Nuclides (Half-life)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	①density of sample （Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	5.1E-04	0.26	4.2E-03	2.1	1.8E-03	0.90	2E-03
Cs-137 (about 30 years)	6.6E-04	0.22	5.0E-03	1.7	2.3E-03	0.77	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	4.7E-05	0.02	2.3E-05	0.01	3E-03
Sb-125 (approx.3yrs)	ND	-	ND	-	ND	-	6E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	5.5E-04	0.14	3.0E-04	0.08	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 1E-5Bq/cm3

particulate I-131 approx 2E-5Bq/cm^3

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi＜3/3＞

Place of Sampling	Upper part of reactor buildin of Unit 3 ⑦ (southeast side in upper part of reactor (downward))		Upper part of reactor buildin of Unit 3 ⑧ (southeast side in upper part of reactor(sideward))		Upper part of reactor buildin of Unit 3 ⑨ (around machine hatch opening 3rd floor)		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/11/10 13:00～13:30		2011/11/10 13:00～13:30		2011/11/10 9:05～9:35		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	6.1E-04	0.31	3.5E-04	0.18	4.9E-04	0.25	2E-03
Cs-137 (about 30 years)	7.3E-04	0.24	4.5E-04	0.15	6.0E-04	0.20	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	1.5E-05	0.01	8.6E-06	0.00	ND	-	3E-03
Sb-125 (approx.3yrs)	ND	-	ND	-	ND	-	6E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 （approx.78hrs ）	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

* 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 indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 1E-5Bq/cm3

particulate I-131 approx 1E-5Bq/cm^3

Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

【Definite Report】 Nuclide analysis of the fallouts inside and outside of Fukushima Daiichi NPP site＜1/3＞

Place of Sampling	Environment management building, F1	Environment management building (roof), F1	about 5 km north	about 5 km north west	about 5 km west	about 5 km south west
Time of Sampling	2011/9/1 13:35～ 11:40 Oct 03 2011	2011/9/1 13:50～ 14:30 Oct 03 2011	2011/8/22 14:10～ 13:15 Sep 22 2011	2011/8/22 14:40～ 13:40 Sep 22 2011	2011/8/22 17:50～ 12:20 Sep 22 2011	2011/9/1 14:20～ 11:10 Oct 03 2011
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)					
I-131 (about 8 days)	ND	ND	ND	ND	ND	ND
Cs-134 (about 2 years)	8,400	8,900	1,200	1,100	2,000	1,400
Cs-137 (about 30 years)	10,000	11,000	1,500	1,200	2,200	1,500
Nb-95 (approx.35days)	ND	ND	ND	ND	ND	ND
Tc-99m (approx.6hrs)	ND	ND	ND	ND	ND	ND
Ag-110m (approx.250days)	ND	ND	ND	ND	ND	ND
Te-129(approx.70mins)	ND	ND	ND	ND	ND	ND
Te-129m (approx.34days)	ND	ND	ND	ND	ND	ND
I-132(approx.2hrs)	ND	ND	ND	ND	ND	ND
Te-132 (approx.78hrs)	ND	ND	ND	ND	ND	ND
I-133(approx.21hrs)	ND	ND	ND	ND	ND	ND
Cs-136 (approx.13days)	ND	ND	ND	ND	ND	ND
Ba-140 (approx.13days)	ND	ND	ND	ND	ND	ND
La-140 (approx.40hrs)	ND	ND	ND	ND	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. 340Bq/m2、Cs-134: approx. 120Bq/m2、Cs-137: approx. 110Bq/m2。

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 of the fallouts inside and outside of Fukushima Daiichi NPP site＜2/3＞

Place of Sampling	about 5 km south	about 10 km north	about 10 km north west	about 10 km west	about 10 km south west	about 10 km south
Time of Sampling	2011/8/22 18:50～ 11:40 Sep 22 2011	2011/8/22 11:30～ 13:50 Sep 22 2011	2011/8/22 12:20～ 14:20 Sep 22 2011	2011/9/1 15:00～ 10:20 Oct 03 2011	2011/8/22 17:10～ 11:25 Sep 22 2011	2011/8/22 16:00～ 10:22 Sep 22 2011
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)					
I-131 (about 8 days)	ND	ND	ND	ND	ND	ND
Cs-134 (about 2 years)	320	ND	120	4,600	280	220
Cs-137 (about 30 years)	380	ND	190	5,500	310	94
Nb-95 (approx.35days)	ND	ND	ND	ND	ND	ND
Tc-99m (approx.6hrs)	ND	ND	ND	ND	ND	ND
Ag-110m (approx.250days)	ND	ND	ND	ND	ND	ND
Te- 129(approx.70mins)	ND	ND	ND	ND	ND	ND
Te-129m (approx.34days)	ND	ND	ND	ND	ND	ND
I-132(approx.2hrs)	ND	ND	ND	ND	ND	ND
Te-132 （approx.78hrs ）	ND	ND	ND	ND	ND	ND
I-133(approx.21hrs)	ND	ND	ND	ND	ND	ND
Cs-136 (approx.13days)	ND	ND	ND	ND	ND	ND
Ba-140 (approx.13days)	ND	ND	ND	ND	ND	ND
La-140 (approx.40hrs)	ND	ND	ND	ND	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. 300Bq/m2、Cs-134: approx. 120Bq/m2、Cs-137: approx. 130Bq/m2。

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 of the fallouts inside and outside of Fukushima Daiichi NPP site＜3/3＞

Place of Sampling	about 10 km south (roof)	main office building, F2	main office building(roof), F2			
Time of Sampling	2011/8/22 15:50～ 10:45 Sep 22 2011	2011/8/31 15:00～ 14:20 Oct 03 2011	2011/8/31 15:50～ 15:45 Oct 03 2011			
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)					
I-131 (about 8 days)	ND	ND	ND			
Cs-134 (about 2 years)	260	370	ND			
Cs-137 (about 30 years)	110	440	ND			
Nb-95 (approx.35days)	ND	ND	ND			
Tc-99m (approx.6hrs)	ND	ND	ND			
Ag-110m (approx.250days)	ND	ND	ND			
Te- 129(approx.70mins)	ND	ND	ND			
Te-129m (approx.34days)	ND	ND	ND			
I-132(approx.2hrs)	ND	ND	ND			
Te-132 （approx.78hrs ）	ND	ND	ND			
I-133(approx.21hrs)	ND	ND	ND			
Cs-136 (approx.13days)	ND	ND	ND			
Ba-140 (approx.13days)	ND	ND	ND			
La-140 (approx.40hrs)	ND	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. 150Bq/m2、Cs-134: approx. 100Bq/m2、Cs-137: approx. 110Bq/m2。

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 Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

Place of Sampling	mountainside of Unit 3 of Fukushima Daiichi		Fukushima Daiichi MP-3		Fukushima Daiichi MP-8		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/7/13 10:38 ～ 11:38		2011/7/13 11:14 ～ 14:14		2011/7/13 11:02 ～ 14:02		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	2.5E-05	0.01	6.6E-06	0.00	ND	-	2E-03
Cs-137 (about 30 years)	3.5E-05	0.01	7.1E-06	0.00	6.7E-06	0.00	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

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

* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".
The detection limits of major three nuclide that are not detected are as follows:
Volatile: I-131: approx. 1E-5Bq/cm3, Cs-134: approx. 3E-5Bq/cm3, Cs-137: approx. 3E-4Bq/cm3
Particulate: I-131: approx. 8E-6Bq/cm3, Cs-134: approx. 6E-6Bq/cm3
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 Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

Place of Sampling	North Side Slope of Fukushima Daiichi Unit 1		mountainside of Unit 1 of Fukushima Daiichi		mountainside of Unit 2 of Fukushima Daiichi		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/7/7 10:32 ～ 10:52		2011/7/7 11:10 ～ 11:30		2011/7/7 11:44 ～ 12:04		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	8.9E-05	0.04	ND	-	2E-03
Cs-137 (about 30 years)	ND	-	7.4E-05	0.02	ND	-	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

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

* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".
The detection limits of major three nuclide that are not detected are as follows:
Volatile: I-131: approx. 4E-5Bq/cm3, Cs-134: approx. 9E-5Bq/cm3, Cs-137: approx. 1E-4Bq/cm3
Particulate: I-131: approx. 2E-5Bq/cm3, Cs-134: approx. 5E-5Bq/cm3, Cs-137: approx. 5E-5Bq/cm3
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 Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Station

Place of Sampling	Mountainside of Unit 1 of Fukushima Daiichi		Mountainside of Unit 2 of Fukushima Daiichi		North Side Slope of Unit 1 of Fukushima Daiichi		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/7/15 10:41 ～ 11:41		2011/7/15 10:43 ～ 11:43		2011/7/15 10:34 ～ 13:34		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	3.2E-05	0.02	2.8E-05	0.01	1.5E-05	0.01	2E-03
Cs-137 (about 30 years)	4.3E-05	0.01	2.9E-05	0.01	1.1E-05	0.00	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

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

* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".

The detection limits of major three nuclide that are not detected are as follows:
Volatile: I-131: approx. 1E-5Bq/cm3, Cs-134: approx. 3E-5Bq/cm3, Cs-137: approx. 3E-5Bq/cm3
Particulate: I-131: approx. 7E-6Bq/cm3
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 Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

Place of Sampling	North Side Slope of Fukushima Daiichi Unit 1		West Side Slope Fukushima Daiichi Unit 1 and Unit 2		West Side Slope Fukushima Daiichi Unit 3 and Unit 4		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/7/22 10:52 ～ 13:52		2011/7/22 10:43 ～ 13:43		2011/7/22 10:34 ～ 13:34		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	ND	-	1.1E-05	0.01	2E-03
Cs-137 (about 30 years)	ND	-	ND	-	1.3E-05	0.00	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".
The detection limits of major three nuclide that are not detected are as follows:
Volatile: I-131: approx. 4E-6Bq/cm3, Cs-134: approx. 1E-5Bq/cm3, Cs-137: approx. 1E-5Bq/cm3
Particulate: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 5E-6Bq/cm3, Cs-137: approx. 6E-6Bq/cm3
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 Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Sta

Place of Sampling	MP-1 Fukushima Daiichi		MP-3 Fukushima Daiichi		MP-8 Fukushima Daiichi		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/7/23 10:15 ～ 13:15		2011/7/23 10:35 ～ 13:35		2011/7/23 10:45 ～ 13:45		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	2E-03
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with
* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".
The detection limits of major three nuclide that are not detected are as follows:
Volatile: I-131: approx. 3E-6Bq/cm3, Cs-134: approx. 9E-6Bq/cm3, Cs-137: approx. 1E-5Bq/cm3
Particulate: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 6E-6Bq/cm3, Cs-137: approx. 6E-6Bq/cm3
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 Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Sta

Place of Sampling	Environment Monitoring Building of Fukushima Daiichi		Water Treatment Building of Fukushima Daiichi		Switching Yard of Unit 5 and Unit 6, Fukushima Daiichi		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/7/25 10:26 ～ 13:26		2011/7/25 10:34 ～ 13:34		2011/7/25 **10:42 ～ 13:42**		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	2E-03
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with
* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".
The detection limits of major three nuclide that are not detected are as follows:
Volatile: I-131: approx. 4E-6Bq/cm3, Cs-134: approx. 1E-5Bq/cm3, Cs-137: approx. 1E-5Bq/cm3
Particulate: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 5E-6Bq/cm3, Cs-137: approx. 6E-6Bq/cm3
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 Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Sta

Place of Sampling	Fukushima Daiichi MP-1		Fukushima Daiichi MP-3		Fukushima Daiichi MP-8		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/7/26 10:07 ～ 13:07		2011/7/26 10:21 ～ 13:21		2011/7/26 10:29 ～ 13:29		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	2E-03
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.
* O.OE－O means O.O x 10-O
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with
* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".
The detection limits of major three nuclide that are not detected are as follows:
Volatile: I-131: approx. 4E-6Bq/cm3, Cs-134: approx. 1E-5Bq/cm3, Cs-137: approx. 1E-5Bq/cm3
Particulate: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 5E-6Bq/cm3, Cs-137: approx. 5E-6Bq/cm3
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【Definite Report】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

Place of Sampling	North Side Slope of Fukushima Daiichi Unit 1		West Side Slope Fukushima Daiichi Unit 1 and Unit 2		West Side Slope Fukushima Daiichi Unit 3 and Unit 4		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/7/30 10:03 ～13:03		2011/7/30 9:47 ～12:47		2011/7/30 9:37 ～12:37		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	2E-03
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te-129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	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.

* O.OE－O means O.O x 10-O

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

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The detection limits of major three nuclide that are not detected are as follows:
Volatile: I-131: approx. 3E-6Bq/cm3, Cs-134: approx. 9E-6Bq/cm3, Cs-137: approx. 9E-6Bq/cm3
Particulate: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 6E-6Bq/cm3, Cs-137: approx. 6E-6Bq/cm3
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.