【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		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/9/16 7:00～12:00		2011/9/16 9:22～9:32				
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 the major three nuclide at West Gate of Fukushima Daiichi NPS 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. 9E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3
The detection limits of the major three nuclide at MP-1 of Fukushima Daini NPS are as follows:
Volatile: I-131: approx. 3E-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 seaside in front of the site of Fukushima Daiiichi Nuclear Power Station

Place of Sampling	2km-3km offshore of Fukushima Daiichi on the sea 1st sampling		2km-3km offshore of Fukushima Daiichi on the sea 2nd sampling		2km-3km offshore of Fukushima Daiichi on the sea 3rd sampling		2km-3km offshore of Fukushima Daiichi on the sea 4th sampling		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/9/15 21:13～21:43		2011/9/15 21:45～22:15		2011/9/15 22:17～22:47		2011/9/15 22:48～23:18		
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	-	ND	-	8.5E-07	0.00	ND	-	2E-03
Tc-99m (approx.6hrs)	ND	-	ND	-	9.3E-07	0.00	ND	-	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	ND	-	2E-02
Te-129 (approx.70mins)	ND	-	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	ND	-	3E-03
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	4E-03
I-133 (approx.21hrs)	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
La-140 (approx.40hrs)	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 following:

I-131: approx. 4E-8Bq/cm3, Cs-134: approx. 5E-8Bq/cm3, Cs-137: approx. 5E-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		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/9/17 7:00 ～ 12:00		2011/9/17 9:07 ～ 9:17				
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)	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 the major three nuclide at West Gate of Fukushima Daiichi NPS are as follow:
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 the major three nuclide at MP-1 of Fukushima Daini NPS are as follow:
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. 2E-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 on the sea 1st sampling		2km-3km offshore of Fukushima Daiichi on the sea 2nd sampling		2km-3km offshore of Fukushima Daiichi on the sea 3rd sampling		2km-3km offshore of Fukushima Daiichi on the sea 4th sampling		②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011 Sep 16 (Not sampled)		2011 Sep 16 (Not sampled)		2011 Sep 16 (Not sampled)		2011 Sep 16 (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
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	3E-03
Nb-95 (approx.35days)	-	-	-	-	-	-	-	-	2E-02
Te-129 (approx.70mins)	-	-	-	-	-	-	-	-	7E-01
Ag-110m (approx.250days)	-	-	-	-	-	-	-	-	3E-03
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	4E-01
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	4E-03
I-133 (approx.21hrs)	-	-	-	-	-	-	-	-	7E-02
Te-132 (approx.78hrs)	-	-	-	-	-	-	-	-	4E-03
I-133(approx.21hrs)	-	-	-	-	-	-	-	-	5E-03
La-140 (approx.40hrs)	-	-	-	-	-	-	-	-	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		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/9/18 7:00 ～ 12:00		2011/9/18 9:41 ～ 9:51				
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 the major three nuclide at West Gate of Fukushima Daiichi NPS 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. 8E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

The detection limits of the major three nuclide at MP-1 of Fukushima Daini NPS 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		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/9/19 7:00～12:00		2011/9/19 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 the major three nuclide at West Gate of Fukushima Daiichi NPS 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 the major three nuclide at MP-1 of Fukushima Daini NPS 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 <1/2>

Place of Sampling	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/9/20 7:00 ～ 12:00		2011/9/20 9:24 ～ 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 the major three nuclide at West Gate of Fukushima Daiichi NPS 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 the major three nuclide at MP-1 of Fukushima Daini NPS 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. 2E-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) *
Time of Sampling	2011 Sep 20 (Not sampled)		2011 Sep 20 (Not sampled)		2011 Sep 20 (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)	
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

* 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

【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		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/9/21 7:00～12:00		2011/9/21 9:29～9:39				
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	–			1E-03
Cs-134 (about 2 years)	ND	–	ND	–			2E-03
Cs-137 (about 30 years)	4.5E-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 the major three nuclide at West Gate of Fukushima Daiichi NPS are as follows:
Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: 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 the major three nuclide at MP-1 of Fukushima Daini NPS 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. 2E-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) *
Time of Sampling	2011 Sep 21 (Not sampled)		2011 Sep 21 (Not sampled)		2011 Sep 21 (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)	
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

* 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

【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) *
Time of Sampling	2011 Sep 21 (Not sampled)		2011 Sep 21 (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)	
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

* 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

【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		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/9/22 7:00～12:00		2011/9/22 9:33～9:43				
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	–			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 the major three nuclide at West Gate of Fukushima Daiichi NPS 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 the major three nuclide at MP-1 of Fukushima Daini NPS 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＜2/3＞

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	2011/9/22 10:26～15:26		2011/9/22 11:18～15:27		2011/9/22 11:34～15:41		
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	－	2.9E-07	0.00	2E-03
Cs-137 (about 30 years)	3.4E-07	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
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 following:
Volatile: I-131: approx. 2E-7Bq/cm3, Cs-134: approx. 6E-7Bq/cm3, Cs-137: approx. 6E-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 Sites of Fukushima Nuclear Power Stations＜3/3＞

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) *
Time of Sampling	2011/9/22 10:21～15:21		2011/9/22 10:31～15:31		2011/9/22 10:40～15:40		
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 following:
Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 5E-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

Place of Sampling	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/9/23 7:00 ～ 12:00		2011/9/23 9:32 ～ 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)	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 the major three nuclide at West Gate of Fukushima Daiichi NPS 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 the major three nuclide at MP-1 of Fukushima Daini NPS 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		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/9/24 7:00 ～ 12:00		2011/9/24 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)	2.2E-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
* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".
The detection limits of the major three nuclide at West Gate of Fukushima Daiichi NPS 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-137: approx. 2E-7Bq/cm3
The detection limits of the major three nuclide at MP-1 of Fukushima Daini NPS 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. 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

Place of Sampling	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/9/25 7:00～12:00		2011/9/25 10:04～10:14				
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)	2.3E-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 the major three nuclide at West Gate of Fukushima Daiichi NPS 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
The detection limits of the major three nuclide at MP-1 of Fukushima Daini NPS 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. 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		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/9/26 7:00 ～ 12:00		2011/9/26 9:21 ～ 9:31				
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)	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 the major three nuclide at West Gate of Fukushima Daiichi NPS 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 the major three nuclide at MP-1 of Fukushima Daini NPS 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 <1/2>

Place of Sampling	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/9/27 7:00～12:00		2011/9/27 9:08～9:18				
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)	5.5E-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
* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".
The detection limits of the major three nuclide at West Gate of Fukushima Daiichi NPS are as follows:
Volatile: I-131: approx. 1E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3
Particulate: I-131: approx. 7E-8Bq/cm3, Cs-137: approx. 2E-7Bq/cm3
The detection limits of the major three nuclide at MP-1 of Fukushima Daini NPS 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. 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 <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) *
Time of Sampling	2011/9/27 10:15～15:15		2011/9/27 9:54～14:54		2011/9/27 10:01～15:01		
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	－	5.2E-07	0.00	2.5E-07	0.00	2E-03
Cs-137 (about 30 years)	ND	－	ND	－	4.2E-07	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" means the sampled data is below measurable limit.
The detection limits of major three nuclide that are not detected are as following:
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 Sites of Fukushima Nuclear Power Stations

Place of Sampling	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/9/28 7:00～12:00		2011/9/28 9:09～9:19				
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)	4.0E-07	0.00	ND	–			2E-03
Cs-137 (about 30 years)	7.5E-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 the major three nuclide at West Gate of Fukushima Daiichi NPS are as follows:
Volatile: I-131: approx. 1E-7Bq/cm3
Particulate: I-131: approx. 6E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3
The detection limits of the major three nuclide at MP-1 of Fukushima Daini NPS 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 <1/2>

Place of Sampling	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/9/29 7:00 ～ 12:00		2011/9/29 9:25 ～ 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)	ND	－	ND	－			2E-03
Cs-137 (about 30 years)	2.2E-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 the major three nuclide at West Gate of Fukushima Daiichi NPS 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 the major three nuclide at MP-1 of Fukushima Daini NPS are as follows:
Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 4E-6Bq/cm3, Cs-137: approx. 4E-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 <2/2>

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) *
Time of Sampling	2011/9/29 10:53 ～ 15:53		2011/9/29 11:01 ～ 16:01		2011/9/29 11:10 ～ 16:10		
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	－	7.9E-06	0.00	ND	－	2E-03
Cs-137 (about 30 years)	ND	－	ND	－	2.8E-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
* "ND" means the sampled data is below measurable limit.
The detection limits of major three nuclide that are not detected are as following:
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 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) *
Time of Sampling	2011/9/28 19:00 ～ 24:00		2011/9/28 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)	3.5E-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 following:
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 Sites of Fukushima Nuclear Power Stations

Place of Sampling	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) *
Time of Sampling	2011/9/30 7:00～12:00		2011/9/30 9:14～9:24				
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)	2.4E-07	0.00	ND	－			2E-03
Cs-137 (about 30 years)	2.2E-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 the major three nuclide at West Gate of Fukushima Daiichi NPS 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
  The detection limits of the major three nuclide at MP-1 of Fukushima Daini NPS 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. 2E-6Bq/cm3

【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	10:40 Sep 16 2011		10:05 Sep 16 2011		13:10 Sep 16 2011		08:10 Sep 16 2011		07:45 Sep 16 2011		
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)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 （approx. 66hrs）	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
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
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【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		2011 Sep 16 (Not sampled)		2011 Sep 16 (Not sampled)		2011 Sep 16 (Not sampled)		2011 Sep 16 (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	15 km offshore of Fukushima Daini Upper layer		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	07:20 Sep 16 2011		07:20 Sep 16 2011		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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/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	10:15 Sep 23 2011		09:50 Sep 23 2011		N/A		08:05 Sep 23 2011		07:45 Sep 23 2011		
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)	
I-131 (about 8 days)	ND	-	ND	-	-	-	ND	-	ND	-	40
Cs-134 (about 2 years)	6.2	0.10	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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/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	10:00 Sep 24 2011		09:40 Sep 24 2011		N/A		08:10 Sep 24 2011		07:50 Sep 24 2011		
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)	
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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 1/6>

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	2011 Sep 24 (Not sampled)		2011 Sep 24 (Not sampled)		2011 Sep 24 (Not sampled)		2011 Sep 24 (Not sampled)		2011 Sep 24 (Not sampled)		2011 Sep 24 (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 2/6>

Place of Sampling	15 km offshore of Fukushima Daini Upper layer		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	2011 Sep 24 (Not sampled)		2011 Sep 24 (Not sampled)		2011 Sep 24 (Not sampled)		2011 Sep 24 (Not sampled)		2011 Sep 24 (Not sampled)		2011 Sep 24 (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 3/6>

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	07:05 Sep 24 2011		07:05 Sep 24 2011		06:35 Sep 24 2011		06:35 Sep 24 2011		05:35 Sep 24 2011		05:35 Sep 24 2011		
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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 4/6>

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	05:55 Sep 24 2011		05:55 Sep 24 2011		06:10 Sep 24 2011		06:10 Sep 24 2011		05:55 Sep 24 2011		05:55 Sep 24 2011		
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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 5/6>

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	07:00 Sep 24 2011		07:00 Sep 24 2011		06:35 Sep 24 2011		06:35 Sep 24 2011		06:10 Sep 24 2011		06:10 Sep 24 2011		
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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 6/6>

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	06:15 Sep 24 2011		06:15 Sep 24 2011										
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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/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	09:45 Sep 25 2011		09:20 Sep 25 2011		N/A		08:00 Sep 25 2011		07:35 Sep 25 2011		
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)	
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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【Definite Report】Results of Nuclide Analysis of 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	08:20 Sep 25 2011		08:20 Sep 25 2011		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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 2/4>

Place of Sampling	15 km offshore of Fukushima Daini Upper layer		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		06:50 Sep 25 2011		06:50 Sep 25 2011		10:30 Sep 25 2011		10:30 Sep 25 2011		
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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【Definite Report】Results of Nuclide Analysis of 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	08:45 Sep 25 2011		08:45 Sep 25 2011		09:05 Sep 25 2011		09:05 Sep 25 2011		07:05 Sep 25 2011		07:05 Sep 25 2011		
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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【Definite Report】Results of Nuclide Analysis of 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	09:20 Sep 25 2011		09:20 Sep 25 2011		07:30 Sep 25 2011		07:30 Sep 25 2011						
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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/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	10:40 Sep 26 2011		10:00 Sep 26 2011		N/A		08:20 Sep 26 2011		07:55 Sep 26 2011		
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)	
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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【Definite Report】Results of Nuclide Analysis of 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		09:30 Sep 26 2011		09:30 Sep 26 2011		09:00 Sep 26 2011		09:00 Sep 26 2011		
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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 2/4>

Place of Sampling	15 km offshore of Fukushima Daini Upper layer		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	08:20 Sep 26 2011		08:20 Sep 26 2011		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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【Definite Report】Results of Nuclide Analysis of 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	05:05 Sep 26 2011		05:05 Sep 26 2011		05:25 Sep 26 2011		05:25 Sep 26 2011		05:25 Sep 26 2011		05:25 Sep 26 2011		
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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【Definite Report】Results of Nuclide Analysis of 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	05:45 Sep 26 2011		05:45 Sep 26 2011		05:35 Sep 26 2011		05:35 Sep 26 2011		05:50 Sep 26 2011		05:50 Sep 26 2011		
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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/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	10:20 Sep 27 2011		09:55 Sep 27 2011		N/A		08:25 Sep 27 2011		08:00 Sep 27 2011		
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)	
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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【Definite Report】Results of Nuclide Analysis of 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	2011 Sep 27 (Not sampled)		2011 Sep 27 (Not sampled)		2011 Sep 27 (Not sampled)		2011 Sep 27 (Not sampled)		2011 Sep 27 (Not sampled)		2011 Sep 27 (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 2/4>

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	2011 Sep 27 (Not sampled)		2011 Sep 27 (Not sampled)		2011 Sep 27 (Not sampled)		2011 Sep 27 (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 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	06:00 Sep 27 2011		06:00 Sep 27 2011		06:25 Sep 27 2011		06:25 Sep 27 2011		06:45 Sep 27 2011		06:45 Sep 27 2011		
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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【Definite Report】Results of Nuclide Analysis of 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	2011 Sep 27 (Not sampled)		2011 Sep 27 (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 <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	10:30 Sep 28 2011		10:10 Sep 28 2011		N/A		08:20 Sep 28 2011		07:50 Sep 28 2011		
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)	
I-131 (about 8 days)	ND	-	ND	-	-	-	ND	-	ND	-	40
Cs-134 (about 2 years)	6.3	0.11	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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【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	2011 Sep 28 (Not sampled)		2011 Sep 28 (Not sampled)		2011 Sep 28 (Not sampled)		2011 Sep 28 (Not sampled)		2011 Sep 28 (Not sampled)		2011 Sep 28 (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	15 km offshore of Fukushima Daini Upper layer		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	2011 Sep 28 (Not sampled)		2011 Sep 28 (Not sampled)		2011 Sep 28 (Not sampled)		2011 Sep 28 (Not sampled)		2011 Sep 28 (Not sampled)		2011 Sep 28 (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	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	2011 Sep 28 (Not sampled)		2011 Sep 28 (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 <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	10:15 Sep 29 2011		10:00 Sep 29 2011		N/A		08:30 Sep 29 2011		08:00 Sep 29 2011		
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)	
I-131 (about 8 days)	ND	-	ND	-	-	-	ND	-	ND	-	40
Cs-134 (about 2 years)	11	0.18	ND	-	-	-	ND	-	ND	-	60
Cs-137 (about 30 years)	11	0.12	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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【Definite Report】Results of Nuclide Analysis of Seawater <Offshore 1/5>

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	2011 Sep 29 (Not sampled)		2011 Sep 29 (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】Results of Nuclide Analysis of Seawater <Offshore 2/5>

Place of Sampling	15 km offshore of Fukushima Daini Upper layer		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		2011 Sep 29 (Not sampled)		2011 Sep 29 (Not sampled)		2011 Sep 29 (Not sampled)		2011 Sep 29 (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 3/5>

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	2011 Sep 29 (Not sampled)		2011 Sep 29 (Not sampled)		2011 Sep 29 (Not sampled)		2011 Sep 29 (Not sampled)		2011 Sep 29 (Not sampled)		2011 Sep 29 (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 4/5>

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	2011 Sep 29 (Not sampled)		2011 Sep 29 (Not sampled)		2011 Sep 29 (Not sampled)		2011 Sep 29 (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 5/5>

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	2011 Sep 29 (Not sampled)		2011 Sep 29 (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 <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	10:05 Sep 30 2011		09:45 Sep 30 2011		N/A		08:30 Sep 30 2011		08:05 Sep 30 2011		
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)	
I-131 (about 8 days)	ND	-	ND	-	-	-	ND	-	ND	-	40
Cs-134 (about 2 years)	13	0.22	ND	-	-	-	ND	-	ND	-	60
Cs-137 (about 30 years)	10	0.11	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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【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	2011 Sep 30 (Not sampled)		2011 Sep 30 (Not sampled)		2011 Sep 30 (Not sampled)		2011 Sep 30 (Not sampled)		2011 Sep 30 (Not sampled)		2011 Sep 30 (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	15 km offshore of Fukushima Daini Upper layer		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	2011 Sep 30 (Not sampled)		2011 Sep 30 (Not sampled)		2011 Sep 30 (Not sampled)		2011 Sep 30 (Not sampled)		2011 Sep 30 (Not sampled)		2011 Sep 30 (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	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	2011 Sep 30 (Not sampled)		2011 Sep 30 (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 <1/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

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)		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	2011/9/16 6:07 AM		2011/9/16 1:30 PM		2011/9/16 6:13 AM		2011/9/16 6:17 AM		2011/9/16 6:20 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)	
I-131 (about 8 days)	ND	–	ND	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	ND	–	ND	–	37	0.62	25	0.42	35	0.58	60
Cs-137 (about 30 years)	ND	–	32	0.36	ND	–	35	0.39	56	0.62	90
Mn-54 (approx. 310days)	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 follow: I-131: approx. 14Bq/L, Cs-134: approx. 25Bq/L, Cs-137: approx. 34Bq/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 <2/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		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)		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	2011/9/16 6:23 AM		2011/9/16 6:26 AM		2011/9/16 6:28 AM		2011/9/16 6:31 AM		2011/9/16 6:34 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)	
I-131 (about 8 days)	ND	–	ND	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	28	0.47	130	2.2	84	1.4	43	0.72	35	0.58	60
Cs-137 (about 30 years)	55	0.61	160	1.8	110	1.2	61	0.68	32	0.36	90
Mn-54 (approx. 310days)	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 follow: 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】 Nuclide Analysis Results of Radioactive Materials in Seawater <3/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal		Port entrance of Fukushima Daiichi Nuclear Power Plant						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	2011/9/16 6:37 AM		2011/9/16 6:40 AM		2011/9/16 10:30 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)	
I-131 (about 8 days)	ND	—	ND	—	ND	—					40
Cs-134 (about 2 years)	120	2.0	82	1.4	ND	—					60
Cs-137 (about 30 years)	120	1.3	85	0.94	ND	—					90
Mn-54 (approx. 310days)	ND	—	ND	—	ND	—					1,000
Co-60 (approx.5yrs)	ND	—	ND	—	ND	—					200
Tc-99m (approx.6hrs)	ND	—	ND	—	ND	—					40,000
Te-129m (approx.34days)	ND	—	ND	—	ND	—					300
Te-129 (approx.70mins)	ND	—	ND	—	ND	—					10,000
Cs-136 (approx.13days)	ND	—	ND	—	ND	—					300
Ba-140 (approx.13days)	ND	—	ND	—	ND	—					300
La-140 (approx.40hrs)	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 follow: I-131: approx. 24Bq/L, Cs-134: approx. 31Bq/L, Cs-137: approx. 33Bq/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 <1/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

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)		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	2011/9/17 6:07 AM		N/A		2011/9/17 6:11 AM		2011/9/17 6:14 AM		2011/9/17 6:21 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)	
I-131 (about 8 days)	ND	–	–	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	27	0.45	–	–	86	1.4	90	1.5	120	2.0	60
Cs-137 (about 30 years)	49	0.54	–	–	120	1.3	96	1.1	150	1.7	90
Mn-54 (approx. 310days)	ND	–	–	–	ND	–	ND	–	ND	–	1,000
Co-60 (approx.5yrs)	ND	–	–	–	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 follow: I-131: approx. 14Bq/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 <2/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		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)		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	2011/9/17 6:24 AM		2011/9/17 6:27 AM		2011/9/17 6:31 AM		2011/9/17 6:34 AM		2011/9/17 6:36 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)	
I-131 (about 8 days)	ND	–	ND	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	100	1.7	280	4.7	170	2.8	440	7.3	250	4.2	60
Cs-137 (about 30 years)	110	1.2	300	3.3	160	1.8	500	5.6	300	3.3	90
Mn-54 (approx. 310days)	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 follow: I-131: approx. 18Bq/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 <3/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal		Port entrance of Fukushima Daiichi Nuclear Power Plant						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	2011/9/17 6:38 AM		2011/9/17 6:42 AM		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)	
I-131 (about 8 days)	ND	—	ND	—	—	—					40
Cs-134 (about 2 years)	280	4.7	140	2.3	—	—					60
Cs-137 (about 30 years)	310	3.4	200	2.2	—	—					90
Mn-54 (approx. 310days)	ND	—	ND	—	—	—					1,000
Co-60 (approx.5yrs)	ND	—	ND	—	—	—					200
Tc-99m (approx.6hrs)	ND	—	ND	—	—	—					40,000
Te-129m (approx.34days)	ND	—	ND	—	—	—					300
Te-129 (approx.70mins)	ND	—	ND	—	—	—					10,000
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 follow: 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】 Nuclide Analysis Results of Radioactive Materials in Seawater <1/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

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)		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	2011/9/18 7:05 AM		2011/9/18 2:05 PM		2011/9/18 7:13 AM		2011/9/18 7:18 AM		2011/9/18 7:22 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)	
I-131 (about 8 days)	ND	–	ND	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	ND	–	67	1.1	77	1.3	92	1.5	130	2.2	60
Cs-137 (about 30 years)	42	0.47	78	0.87	94	1.0	130	1.4	140	1.6	90
Mn-54 (approx. 310days)	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 follow: I-131: approx. 15Bq/L, Cs-134: approx. 30Bq/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 <2/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		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)		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	2011/9/18 7:28 AM		2011/9/18 7:32 AM		2011/9/18 7:38 AM		2011/9/18 7:42 AM		2011/9/18 7:46 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)	
I-131 (about 8 days)	ND	–	ND	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	60	1.0	590	9.8	130	2.2	490	8.2	230	3.8	60
Cs-137 (about 30 years)	78	0.87	690	7.7	170	1.9	560	6.2	290	3.2	90
Mn-54 (approx. 310days)	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 follow: I-131: 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】 Nuclide Analysis Results of Radioactive Materials in Seawater <3/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal		Port entrance of Fukushima Daiichi Nuclear Power Plant						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	2011/9/18 7:48 AM		2011/9/18 7:54 AM		2011/9/18 9:50 AM						
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	—	ND	—	ND	—					40
Cs-134 (about 2 years)	240	4.0	140	2.3	ND	—					60
Cs-137 (about 30 years)	330	3.7	150	1.7	ND	—					90
Mn-54 (approx. 310days)	ND	—	ND	—	ND	—					1,000
Co-60 (approx.5yrs)	ND	—	ND	—	ND	—					200
Tc-99m (approx.6hrs)	ND	—	ND	—	ND	—					40,000
Te-129m (approx.34days)	ND	—	ND	—	ND	—					300
Te-129 (approx.70mins)	ND	—	ND	—	ND	—					10,000
Cs-136 (approx.13days)	ND	—	ND	—	ND	—					300
Ba-140 (approx.13days)	ND	—	ND	—	ND	—					300
La-140 (approx.40hrs)	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 follow: I-131: approx. 14Bq/L, Cs-134: approx. 24Bq/L, Cs-137: approx. 27Bq/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 <1/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

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)		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	2011/9/19 6:38 AM		N/A		2011/9/19 6:42 AM		2011/9/19 6:47 AM		2011/9/19 6:49 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)	
I-131 (about 8 days)	ND	–	–	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	36	0.60	–	–	150	2.5	170	2.8	160	2.7	60
Cs-137 (about 30 years)	55	0.61	–	–	190	2.1	170	1.9	190	2.1	90
Mn-54 (approx. 310days)	ND	–	–	–	ND	–	ND	–	ND	–	1,000
Co-60 (approx.5yrs)	ND	–	–	–	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 follow: 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】 Nuclide Analysis Results of Radioactive Materials in Seawater <2/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		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)		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	2011/9/19 6:55 AM		2011/9/19 6:58 AM		2011/9/19 7:01 AM		2011/9/19 7:04 AM		2011/9/19 7:10 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	–	ND	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	130	2.2	440	7.3	190	3.2	590	9.8	190	3.2	60
Cs-137 (about 30 years)	130	1.4	530	5.9	230	2.6	710	7.9	200	2.2	90
Mn-54 (approx. 310days)	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 follow: 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】 Nuclide Analysis Results of Radioactive Materials in Seawater <3/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal		Port entrance of Fukushima Daiichi Nuclear Power Plant						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	2011/9/19 7:13 AM		2011/9/19 7:18 AM		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)	
I-131 (about 8 days)	ND	–	ND	–	–	–					40
Cs-134 (about 2 years)	360	6.0	190	3.2	–	–					60
Cs-137 (about 30 years)	400	4.4	210	2.3	–	–					90
Mn-54 (approx. 310days)	ND	–	ND	–	–	–					1,000
Co-60 (approx.5yrs)	ND	–	ND	–	–	–					200
Tc-99m (approx.6hrs)	ND	–	ND	–	–	–					40,000
Te-129m (approx.34days)	ND	–	ND	–	–	–					300
Te-129 (approx.70mins)	ND	–	ND	–	–	–					10,000
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 follow: 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】 Nuclide Analysis Results of Radioactive Materials in Seawater <1/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

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)		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	2011/9/20 7:11 AM		N/A		2011/9/20 7:20 AM		2011/9/20 7:24 AM		2011/9/20 7:28 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)	
I-131 (about 8 days)	ND	–	–	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	46	0.77	–	–	110	1.8	180	3.0	160	2.7	60
Cs-137 (about 30 years)	54	0.60	–	–	130	1.4	180	2.0	190	2.1	90
Mn-54 (approx. 310days)	ND	–	–	–	ND	–	ND	–	ND	–	1,000
Co-60 (approx.5yrs)	ND	–	–	–	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 follow: I-131: approx. 14Bq/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 <2/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		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)		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	2011/9/20 7:35 AM		2011/9/20 7:40 AM		2011/9/20 7:44 AM		2011/9/20 7:48 AM		2011/9/20 7:52 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)	
I-131 (about 8 days)	ND	–	ND	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	140	2.3	180	3.0	350	5.8	1,300	22	220	3.7	60
Cs-137 (about 30 years)	180	2.0	250	2.8	410	4.6	1,400	16	260	2.9	90
Mn-54 (approx. 310days)	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 follow: I-131: 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】 Nuclide Analysis Results of Radioactive Materials in Seawater <3/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal		Port entrance of Fukushima Daiichi Nuclear Power Plant						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	2011/9/20 7:55 AM		2011/9/20 7:58 AM		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)	
I-131 (about 8 days)	ND	–	ND	–	–	–					40
Cs-134 (about 2 years)	670	11	210	3.5	–	–					60
Cs-137 (about 30 years)	800	8.9	280	3.1	–	–					90
Mn-54 (approx. 310days)	ND	–	ND	–	–	–					1,000
Co-60 (approx.5yrs)	ND	–	ND	–	–	–					200
Tc-99m (approx.6hrs)	ND	–	ND	–	–	–					40,000
Te-129m (approx.34days)	ND	–	ND	–	–	–					300
Te-129 (approx.70mins)	ND	–	ND	–	–	–					10,000
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 follow: 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】 Nuclide Analysis Results of Radioactive Materials in Seawater <1/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

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)		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	2011/9/21 6:34 AM		N/A		2011/9/21 6:42 AM		2011/9/21 6:47 AM		2011/9/21 6:51 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)	
I-131 (about 8 days)	ND	–	–	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	ND	–	–	–	64	1.1	100	1.7	150	2.5	60
Cs-137 (about 30 years)	33	0.37	–	–	69	0.77	110	1.2	180	2.0	90
Mn-54 (approx. 310days)	ND	–	–	–	ND	–	ND	–	ND	–	1,000
Co-60 (approx.5yrs)	ND	–	–	–	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 follow: I-131: approx. 14Bq/L, Cs-134: approx. 26Bq/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 <2/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		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)		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	2011/9/21 6:55 AM		2011/9/21 6:58 AM		2011/9/21 7:03 AM		2011/9/21 7:07 AM		2011/9/21 7:03 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	–	ND	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	110	1.8	360	6.0	100	1.7	820	14	93	1.6	60
Cs-137 (about 30 years)	140	1.6	370	4.1	120	1.3	930	10	97	1.1	90
Mn-54 (approx. 310days)	ND	–	20	0.02	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 follow: 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】 Nuclide Analysis Results of Radioactive Materials in Seawater <3/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal		Port entrance of Fukushima Daiichi Nuclear Power Plant						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	2011/9/21 7:07 AM		2011/9/21 7:12 AM		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)	
I-131 (about 8 days)	ND	—	ND	—	—	—					40
Cs-134 (about 2 years)	860	14	150	2.5	—	—					60
Cs-137 (about 30 years)	1,000	11	170	1.9	—	—					90
Mn-54 (approx. 310days)	ND	—	ND	—	—	—					1,000
Co-60 (approx.5yrs)	ND	—	ND	—	—	—					200
Tc-99m (approx.6hrs)	ND	—	ND	—	—	—					40,000
Te-129m (approx.34days)	ND	—	ND	—	—	—					300
Te-129 (approx.70mins)	ND	—	ND	—	—	—					10,000
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 follow: I-131: approx. 27Bq/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 <1/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

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)		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	2011/9/22 6:31 AM		N/A		2011/9/22 6:38 AM		2011/9/22 6:42 AM		2011/9/22 6:45 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	–	–	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	76	1.3	–	–	70	1.2	120	2.0	670	11	60
Cs-137 (about 30 years)	120	1.3	–	–	120	1.3	120	1.3	760	8.4	90
Mn-54 (approx. 310days)	ND	–	–	–	ND	–	ND	–	ND	–	1,000
Co-60 (approx.5yrs)	ND	–	–	–	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 follow: I-131: 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】 Nuclide Analysis Results of Radioactive Materials in Seawater <2/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		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)		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	2011/9/22 6:49 AM		2011/9/22 6:53 AM		2011/9/22 6:58 AM		2011/9/22 7:03 AM		2011/9/22 6:58 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)	
I-131 (about 8 days)	ND	–	ND	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	85	1.4	120	2.0	100	1.7	2,300	38	100	1.7	60
Cs-137 (about 30 years)	120	1.3	140	1.6	120	1.3	2,700	30	160	1.8	90
Mn-54 (approx. 310days)	ND	–	6.5	0.01	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 follow: I-131: approx. 37Bq/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 <3/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal		Port entrance of Fukushima Daiichi Nuclear Power Plant						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	2011/9/22 7:03 AM		2011/9/22 7:09 AM		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)	
I-131 (about 8 days)	ND	–	ND	–	–	–					40
Cs-134 (about 2 years)	900	15	120	2.0	–	–					60
Cs-137 (about 30 years)	1,100	12	170	1.9	–	–					90
Mn-54 (approx. 310days)	ND	–	ND	–	–	–					1,000
Co-60 (approx.5yrs)	ND	–	ND	–	–	–					200
Tc-99m (approx.6hrs)	ND	–	ND	–	–	–					40,000
Te-129m (approx.34days)	ND	–	ND	–	–	–					300
Te-129 (approx.70mins)	ND	–	ND	–	–	–					10,000
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 follow: I-131: 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】 Nuclide Analysis Results of Radioactive Materials in Seawater <1/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

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)		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	2011/9/23 6:40 AM		N/A		2011/9/23 6:49 AM		2011/9/23 6:53 AM		2011/9/23 6:56 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)	
I-131 (about 8 days)	ND	–	–	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	ND	–	–	–	56	0.93	50	0.83	54	0.90	60
Cs-137 (about 30 years)	ND	–	–	–	59	0.66	63	0.70	54	0.60	90
Mn-54 (approx. 310days)	ND	–	–	–	ND	–	ND	–	ND	–	1,000
Co-60 (approx.5yrs)	ND	–	–	–	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 follow: I-131: approx. 18Bq/L, Cs-134: approx. 21Bq/L, Cs-137: 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】 Nuclide Analysis Results of Radioactive Materials in Seawater <2/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		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)		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	2011/9/23 7:03 AM		2011/9/23 7:06 AM		2011/9/23 7:14 AM		2011/9/23 7:19 AM		2011/9/23 7:14 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)	
I-131 (about 8 days)	ND	–	ND	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	54	0.90	66	1.1	89	1.5	1,500	25	90	1.5	60
Cs-137 (about 30 years)	65	0.72	94	1.0	120	1.3	1,700	19	100	1.1	90
Mn-54 (approx. 310days)	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 follow: 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】 Nuclide Analysis Results of Radioactive Materials in Seawater <3/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal		Port entrance of Fukushima Daiichi Nuclear Power Plant						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	2011/9/23 7:19 AM		2011/9/23 7:24 AM		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)	
I-131 (about 8 days)	ND	—	ND	—	—	—					40
Cs-134 (about 2 years)	970	16	170	2.8	—	—					60
Cs-137 (about 30 years)	1,100	12	200	2.2	—	—					90
Mn-54 (approx. 310days)	ND	—	ND	—	—	—					1,000
Co-60 (approx.5yrs)	ND	—	ND	—	—	—					200
Tc-99m (approx.6hrs)	ND	—	ND	—	—	—					40,000
Te-129m (approx.34days)	ND	—	ND	—	—	—					300
Te-129 (approx.70mins)	ND	—	ND	—	—	—					10,000
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 follow: I-131: approx. 26Bq/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 <1/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

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)		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	2011/9/24 6:45 AM		2011/9/24 1:10 PM		2011/9/24 6:55 AM		2011/9/24 7:05 AM		2011/9/24 7:09 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)	
I-131 (about 8 days)	ND	–	ND	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	45	0.75	ND	–	88	1.5	130	2.2	99	1.7	60
Cs-137 (about 30 years)	61	0.68	ND	–	97	1.1	160	1.8	130	1.4	90
Mn-54 (approx. 310days)	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 follow: I-131: approx. 14Bq/L, Cs-134: approx. 25Bq/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】 Nuclide Analysis Results of Radioactive Materials in Seawater <2/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		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)		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	2011/9/24 7:16 AM		2011/9/24 7:20 AM		2011/9/24 7:27 AM		2011/9/24 7:33 AM		2011/9/24 7:27 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)	
I-131 (about 8 days)	ND	–	ND	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	120	2.0	140	2.3	140	2.3	1,200	20	74	1.2	60
Cs-137 (about 30 years)	140	1.6	150	1.7	150	1.7	1,600	18	160	1.8	90
Mn-54 (approx. 310days)	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 follow: I-131: approx. 27Bq/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 <3/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal		Port entrance of Fukushima Daiichi Nuclear Power Plant						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	2011/9/24 7:33 AM		2011/9/24 7:40 AM		2011/9/24 12:30 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)	
I-131 (about 8 days)	ND	—	ND	—	ND	—					40
Cs-134 (about 2 years)	650	11	120	2.0	ND	—					60
Cs-137 (about 30 years)	780	8.7	140	1.6	ND	—					90
Mn-54 (approx. 310days)	ND	—	ND	—	ND	—					1,000
Co-60 (approx.5yrs)	ND	—	ND	—	ND	—					200
Tc-99m (approx.6hrs)	ND	—	ND	—	ND	—					40,000
Te-129m (approx.34days)	ND	—	ND	—	ND	—					300
Te-129 (approx.70mins)	ND	—	ND	—	ND	—					10,000
Cs-136 (approx.13days)	ND	—	ND	—	ND	—					300
Ba-140 (approx.13days)	ND	—	ND	—	ND	—					300
La-140 (approx.40hrs)	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 follow: I-131: approx. 21Bq/L, Cs-134: approx. 21Bq/L, Cs-137: 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】 Nuclide Analysis Results of Radioactive Materials in Seawater <1/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

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)		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	2011/9/25 6:45 AM		N/A		2011/9/25 6:55 AM		2011/9/25 7:02 AM		2011/9/25 7:04 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)	
I-131 (about 8 days)	ND	—	—	—	ND	—	ND	—	ND	—	40
Cs-134 (about 2 years)	26	0.43	—	—	32	0.53	ND	—	ND	—	60
Cs-137 (about 30 years)	41	0.46	—	—	40	0.44	29	0.32	50	0.56	90
Mn-54 (approx. 310days)	ND	—	—	—	ND	—	ND	—	ND	—	1,000
Co-60 (approx.5yrs)	ND	—	—	—	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 follow: I-131: approx. 11Bq/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】 Nuclide Analysis Results of Radioactive Materials in Seawater <2/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		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)		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	2011/9/25 7:07 AM		2011/9/25 7:11 AM		2011/9/25 7:20 AM		2011/9/25 7:24 AM		2011/9/25 7:20 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)	
I-131 (about 8 days)	ND	–	ND	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	33	0.55	ND	–	ND	–	45	0.75	ND	–	60
Cs-137 (about 30 years)	29	0.32	ND	–	24	0.27	73	0.81	40	0.44	90
Mn-54 (approx. 310days)	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 follow: I-131: approx. 12Bq/L, Cs-134: approx. 25Bq/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】 Nuclide Analysis Results of Radioactive Materials in Seawater <3/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal		Port entrance of Fukushima Daiichi Nuclear Power Plant						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	2011/9/25 7:24 AM		2011/9/25 7:32 AM		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)	
I-131 (about 8 days)	ND	–	ND	–	–	–					40
Cs-134 (about 2 years)	95	1.6	120	2.0	–	–					60
Cs-137 (about 30 years)	83	0.92	150	1.7	–	–					90
Mn-54 (approx. 310days)	ND	–	ND	–	–	–					1,000
Co-60 (approx.5yrs)	ND	–	ND	–	–	–					200
Tc-99m (approx.6hrs)	ND	–	ND	–	–	–					40,000
Te-129m (approx.34days)	ND	–	ND	–	–	–					300
Te-129 (approx.70mins)	ND	–	ND	–	–	–					10,000
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 follow: I-131: approx. 13Bq/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 <1/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

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)		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	2011/9/26 6:43 AM		N/A		2011/9/26 6:52 AM		2011/9/26 7:00 AM		2011/9/26 7:02 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)	
I-131 (about 8 days)	ND	–	–	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	ND	–	–	–	33	0.55	28	0.47	67	1.1	60
Cs-137 (about 30 years)	34	0.38	–	–	ND	–	ND	–	53	0.59	90
Mn-54 (approx. 310days)	ND	–	–	–	ND	–	ND	–	ND	–	1,000
Co-60 (approx.5yrs)	ND	–	–	–	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 follow: I-131: approx. 12Bq/L, Cs-134: approx. 26Bq/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】 Nuclide Analysis Results of Radioactive Materials in Seawater <2/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		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)		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	2011/9/26 7:06 AM		2011/9/26 7:10 AM		2011/9/26 7:18 AM		2011/9/26 7:20 AM		2011/9/26 7:18 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)	
I-131 (about 8 days)	ND	–	ND	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	ND	–	36	0.60	28	0.47	51	0.85	26	0.43	60
Cs-137 (about 30 years)	ND	–	31	0.34	33	0.37	58	0.64	44	0.49	90
Mn-54 (approx. 310days)	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 follow: I-131: approx. 12Bq/L, Cs-134: approx. 26Bq/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】 Nuclide Analysis Results of Radioactive Materials in Seawater <3/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal		Port entrance of Fukushima Daiichi Nuclear Power Plant						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	2011/9/26 7:20 AM		2011/9/26 7:30 AM		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)	
I-131 (about 8 days)	ND	—	ND	—	—	—					40
Cs-134 (about 2 years)	56	0.93	140	2.3	—	—					60
Cs-137 (about 30 years)	51	0.57	180	2.0	—	—					90
Mn-54 (approx. 310days)	ND	—	ND	—	—	—					1,000
Co-60 (approx.5yrs)	ND	—	ND	—	—	—					200
Tc-99m (approx.6hrs)	ND	—	ND	—	—	—					40,000
Te-129m (approx.34days)	ND	—	ND	—	—	—					300
Te-129 (approx.70mins)	ND	—	ND	—	—	—					10,000
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 follow: I-131: approx. 14Bq/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 <1/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

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)		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	2011/9/27 6:51 AM		N/A		2011/9/27 7:00 AM		2011/9/27 7:08 AM		2011/9/27 7:11 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)	
I-131 (about 8 days)	ND	–	–	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	29	0.48	–	–	ND	–	ND	–	ND	–	60
Cs-137 (about 30 years)	29	0.32	–	–	38	0.42	ND	–	ND	–	90
Mn-54 (approx. 310days)	ND	–	–	–	ND	–	ND	–	ND	–	1,000
Co-60 (approx.5yrs)	ND	–	–	–	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 follow: I-131: approx. 12Bq/L, Cs-134: approx. 26Bq/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】 Nuclide Analysis Results of Radioactive Materials in Seawater <2/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		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)		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	2011/9/27 7:15 AM		2011/9/27 7:19 AM		2011/9/27 7:24 AM		2011/9/27 7:27 AM		2011/9/27 7:29 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	—	ND	—	ND	—	ND	—	ND	—	40
Cs-134 (about 2 years)	ND	—	ND	—	ND	—	ND	—	ND	—	60
Cs-137 (about 30 years)	ND	—	ND	—	ND	—	ND	—	ND	—	90
Mn-54 (approx. 310days)	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 follow: I-131: approx. 12Bq/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】 Nuclide Analysis Results of Radioactive Materials in Seawater <3/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal		Port entrance of Fukushima Daiichi Nuclear Power Plant						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	2011/9/27 7:32 AM		2011/9/27 7:37 AM		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)	
I-131 (about 8 days)	ND	–	ND	–	–	–					40
Cs-134 (about 2 years)	ND	–	28	0.47	–	–					60
Cs-137 (about 30 years)	38	0.42	ND	–	–	–					90
Mn-54 (approx. 310days)	ND	–	ND	–	–	–					1,000
Co-60 (approx.5yrs)	ND	–	ND	–	–	–					200
Tc-99m (approx.6hrs)	ND	–	ND	–	–	–					40,000
Te-129m (approx.34days)	ND	–	ND	–	–	–					300
Te-129 (approx.70mins)	ND	–	ND	–	–	–					10,000
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 follow: I-131: approx. 12Bq/L, Cs-134: approx. 22Bq/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】 Nuclide Analysis Results of Radioactive Materials in Seawater <1/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

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)		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	2011/9/28 7:03 AM		N/A		2011/9/28 7:11 AM		2011/9/28 7:18 AM		2011/9/28 7:20 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)	
I-131 (about 8 days)	ND	—	—	—	ND	—	ND	—	ND	—	40
Cs-134 (about 2 years)	ND	—	—	—	36	0.60	ND	—	110	1.8	60
Cs-137 (about 30 years)	32	0.36	—	—	33	0.37	ND	—	120	1.3	90
Mn-54 (approx. 310days)	ND	—	—	—	ND	—	ND	—	ND	—	1,000
Co-60 (approx.5yrs)	ND	—	—	—	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 follow: I-131: approx. 12Bq/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】 Nuclide Analysis Results of Radioactive Materials in Seawater <2/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		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)		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	2011/9/28 7:25 AM		2011/9/28 7:27 AM		2011/9/28 7:34 AM		2011/9/28 7:36 AM		2011/9/28 7:39 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)	
I-131 (about 8 days)	ND	–	ND	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	31	0.52	25	0.42	35	0.58	65	1.1	46	0.77	60
Cs-137 (about 30 years)	ND	–	31	0.34	36	0.40	99	1.1	29	0.32	90
Mn-54 (approx. 310days)	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 follow: I-131: approx. 14Bq/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】 Nuclide Analysis Results of Radioactive Materials in Seawater <3/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal		Port entrance of Fukushima Daiichi Nuclear Power Plant						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	2011/9/28 7:41 AM		2011/9/28 7:47 AM		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)	
I-131 (about 8 days)	ND	–	ND	–	–	–					40
Cs-134 (about 2 years)	61	1.0	37	0.62	–	–					60
Cs-137 (about 30 years)	73	0.81	53	0.59	–	–					90
Mn-54 (approx. 310days)	ND	–	ND	–	–	–					1,000
Co-60 (approx.5yrs)	ND	–	ND	–	–	–					200
Tc-99m (approx.6hrs)	ND	–	ND	–	–	–					40,000
Te-129m (approx.34days)	ND	–	ND	–	–	–					300
Te-129 (approx.70mins)	ND	–	ND	–	–	–					10,000
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 follow: I-131: approx. 11Bq/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 <1/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

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)		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	2011/9/29 6:36 AM		2011/9/29 12:40 PM		2011/9/29 6:39 AM		2011/9/29 6:45 AM		2011/9/29 6:47 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	–	ND	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	23	0.38	23	0.38	67	1.1	57	0.95	86	1.4	60
Cs-137 (about 30 years)	28	0.31	ND	–	86	0.96	79	0.88	89	0.99	90
Mn-54 (approx. 310days)	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 follow: I-131: approx. 12Bq/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】 Nuclide Analysis Results of Radioactive Materials in Seawater <2/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		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)		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	2011/9/29 7:01 AM		2011/9/29 7:02 AM		2011/9/29 7:17 AM		2011/9/29 7:18 AM		2011/9/29 7:28 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)	
I-131 (about 8 days)	ND	–	ND	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	92	1.5	94	1.6	73	1.2	80	1.3	66	1.1	60
Cs-137 (about 30 years)	93	1.0	110	1.2	99	1.1	99	1.1	97	1.1	90
Mn-54 (approx. 310days)	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 follow: I-131: approx. 13Bq/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 <3/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal		Port entrance of Fukushima Daiichi Nuclear Power Plant						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	2011/9/29 7:30 AM		2011/9/29 7:38 AM		2011/9/29 11:30 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)	
I-131 (about 8 days)	ND	—	ND	—	ND	—					40
Cs-134 (about 2 years)	98	1.6	69	1.2	33	0.55					60
Cs-137 (about 30 years)	140	1.6	74	0.82	ND	—					90
Mn-54 (approx. 310days)	ND	—	ND	—	ND	—					1,000
Co-60 (approx.5yrs)	ND	—	ND	—	ND	—					200
Tc-99m (approx.6hrs)	ND	—	ND	—	ND	—					40,000
Te-129m (approx.34days)	ND	—	ND	—	ND	—					300
Te-129 (approx.70mins)	ND	—	ND	—	ND	—					10,000
Cs-136 (approx.13days)	ND	—	ND	—	ND	—					300
Ba-140 (approx.13days)	ND	—	ND	—	ND	—					300
La-140 (approx.40hrs)	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 follow: I-131: approx. 13Bq/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】 Nuclide Analysis Results of Radioactive Materials in Seawater <1/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

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)		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	2011/9/30 6:58 AM		N/A		2011/9/30 7:05 AM		2011/9/30 7:08 AM		2011/9/30 7:12 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	–	–	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	32	0.53	–	–	99	1.7	93	1.6	97	1.6	60
Cs-137 (about 30 years)	ND	–	–	–	120	1.3	120	1.3	140	1.6	90
Mn-54 (approx. 310days)	ND	–	–	–	ND	–	ND	–	ND	–	1,000
Co-60 (approx.5yrs)	ND	–	–	–	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 follow: I-131: approx. 13Bq/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】 Nuclide Analysis Results of Radioactive Materials in Seawater <2/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		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)		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	2011/9/30 7:15 AM		2011/9/30 7:20 AM		2011/9/30 7:27 AM		2011/9/30 7:30 AM		2011/9/30 7:36 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)	
I-131 (about 8 days)	ND	–	ND	–	ND	–	ND	–	ND	–	40
Cs-134 (about 2 years)	110	1.8	280	4.7	260	4.3	350	5.8	200	3.3	60
Cs-137 (about 30 years)	120	1.3	350	3.9	300	3.3	440	4.9	250	2.8	90
Mn-54 (approx. 310days)	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 follow: 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】 Nuclide Analysis Results of Radioactive Materials in Seawater <3/3> Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4

Place of Sampling	Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal		Port entrance of Fukushima Daiichi Nuclear Power Plant						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	2011/9/30 7:39 AM		2011/9/30 7:44 AM		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)	
I-131 (about 8 days)	ND	—	ND	—	—	—					40
Cs-134 (about 2 years)	220	3.7	89	1.5	—	—					60
Cs-137 (about 30 years)	290	3.2	100	1.1	—	—					90
Mn-54 (approx. 310days)	ND	—	ND	—	—	—					1,000
Co-60 (approx.5yrs)	ND	—	ND	—	—	—					200
Tc-99m (approx.6hrs)	ND	—	ND	—	—	—					40,000
Te-129m (approx.34days)	ND	—	ND	—	—	—					300
Te-129 (approx.70mins)	ND	—	ND	—	—	—					10,000
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 follow: 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】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	2011/9/16 11:30 AM	2011/9/16 11:35 AM	2011/9/16 11:40 AM	2011/9/16 9:43 AM	2011/9/16 11:25 AM	2011/9/16 11:20 AM	2011/9/16 9:45 AM
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)	8.3E-01	4.8E+00	ND	1.2E-01	ND	ND	ND
Cs-137 (about 30 years)	1.0E+00	6.3E+00	3.9E-02	1.6E-01	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. 40 hours)	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 follow: I-131: approx. 5E-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	2011/9/19 10:15 AM	2011/9/19 10:20 AM	2011/9/19 10:25 AM	2011/9/19 9:35 AM	2011/9/19 10:00 AM	2011/9/19 9:55 AM	2011/9/19 9:45 AM
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)	7.4E-01	5.4E+00	4.1E-02	4.5E-02	ND	ND	ND
Cs-137 (about 30 years)	1.0E+00	7.0E+00	ND	6.0E-02	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. 40 hours)	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 follow: I-131: approx. 6E-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	2011/9/21 10:45 AM	2011/9/21 10:50 AM	2011/9/21 10:55 AM	2011/9/21 10:06 AM	2011/9/21 10:40 AM	2011/9/21 10:35 AM	2011/9/21 10:20 AM
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)	3.7E+00	3.4E+00	3.9E-02	4.1E-02	ND	ND	ND
Cs-137 (about 30 years)	4.8E+00	4.4E+00	4.4E-02	3.7E-02	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)	1.2E-01	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. 40 hours)	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 follow: I-131: approx. 5E-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	2011/9/23 10:45 AM	2011/9/23 10:50 AM	2011/9/23 10:55 AM	2011/9/23 9:37 AM	2011/9/23 10:30 AM	2011/9/23 10:35 AM	2011/9/23 10:05 AM
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)	4.3E+00	2.1E+00	1.7E-01	1.0E-01	ND	ND	ND
Cs-137 (about 30 years)	5.7E+00	2.7E+00	1.9E-01	1.2E-01	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)	1.0E-01	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. 40 hours)	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 follow: I-131: approx. 5E-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	2011/9/26 11:10 AM	2011/9/26 11:13 AM	2011/9/26 11:18 AM	2011/9/26 9:39 AM	2011/9/26 11:03 AM	2011/9/26 10:58 AM	2011/9/26 9:40 AM
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)	1.6E+00	1.5E+00	1.4E-01	1.3E-01	ND	ND	ND
Cs-137 (about 30 years)	2.2E+00	1.9E+00	1.6E-01	1.2E-01	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. 40 hours)	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 follow: 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	2011/9/28 11:05 AM	2011/9/28 11:10 AM	2011/9/28 11:15 AM	2011/9/28 9:53 AM	2011/9/28 11:00 AM	2011/9/28 10:55 AM	2011/9/28 10:40 AM
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)	1.2E+00	8.0E-01	9.0E-02	6.5E-02	ND	ND	ND
Cs-137 (about 30 years)	1.6E+00	1.1E+00	1.1E-01	8.9E-02	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. 40 hours)	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 follow: 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.

【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	2011/9/30 10:30 AM	2011/9/30 10:35 AM	2011/9/30 10:40 AM	2011/9/30 10:22 AM	2011/9/30 10:20 AM	2011/9/30 10:15 AM	2011/9/30 9:30 AM
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)	8.6E-01	8.7E-01	8.1E-02	7.8E-02	ND	ND	ND
Cs-137 (about 30 years)	1.2E+00	1.1E+00	1.2E-01	1.1E-01	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. 40 hours)	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 follow: I-131: approx. 2E-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】 Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

Place of Sampling	South East Turbine Building 4U Fukushima Daiichi NPS	North East of process main building fukushima Daiichi NPS	South East of process main building fukushima Daiichi NPS	South of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southwest part of On-site Bunker Building Fukushima Daiichi NPS	West part of Incineration Workshop Building Fukushima Daiichi NPS	North of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southeast part of On-site Bunker Building Fukushima Daiichi NPS
Time of Sampling	09:43 Sep 16 2011	09:48 Sep 16 2011	09:52 Sep 16 2011	10:03 Sep 16 2011	N/A	10:00 Sep 16 2011	10:08 Sep 16 2011	09:55 Sep 16 2011
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)	1.2E-01	ND	ND	2.8E-02	-	2.1E-01	ND	ND
Cs-137 (about 30 years)	1.6E-01	ND	5.2E-02	4.1E-02	-	2.6E-01	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

* O.OE-O has the same meaning as O.O×**１０**-O.

* "ND" means the sampled data is below measurable limit.
The detection limits of major three nuclide that are not detected are as follow:
I-131: approx. 2E-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】 Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

Place of Sampling	South East Turbine Building 4U Fukushima Daiichi NPS	North East of process main building fukushima Daiichi NPS	South East of process main building fukushima Daiichi NPS	South of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southwest part of On-site Bunker Building Fukushima Daiichi NPS	West part of Incineration Workshop Building Fukushima Daiichi NPS	North of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southeast part of On-site Bunker Building Fukushima Daiichi NPS
Time of Sampling	09:33 Sep 17 2011	09:38 Sep 17 2011	09:42 Sep 17 2011	09:57 Sep 17 2011	N/A	09:51 Sep 17 2011	10:03 Sep 17 2011	09:47 Sep 17 2011
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)	4.3E-02	ND	ND	ND	-	2.9E-01	ND	ND
Cs-137 (about 30 years)	5.4E-02	ND	ND	ND	-	3.1E-01	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

* O.OE-O has the same meaning as O.O×**１０**-O.

* "ND" means the sampled data is below measurable limit.
The detection limits of major three nuclide that are not detected are as follow:
I-131: approx. 2E-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】 Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

Place of Sampling	South East Turbine Building 4U Fukushima Daiichi NPS	North East of process main building fukushima Daiichi NPS	South East of process main building fukushima Daiichi NPS	South of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southwest part of On-site Bunker Building Fukushima Daiichi NPS	West part of Incineration Workshop Building Fukushima Daiichi NPS	North of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southeast part of On-site Bunker Building Fukushima Daiichi NPS
Time of Sampling	09:28 Sep 18 2011	09:34 Sep 18 2011	09:38 Sep 18 2011	09:53 Sep 18 2011	N/A	09:50 Sep 18 2011	09:58 Sep 18 2011	09:44 Sep 18 2011
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	-	2.3E-01	ND	ND
Cs-137 (about 30 years)	ND	ND	ND	ND	-	2.7E-01	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

* O.OE-O has the same meaning as O.O×**１０**-O.

* "ND" means the sampled data is below measurable limit.
The detection limits of major three nuclide that are not detected are as follow:
I-131: approx. 2E-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】 Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

Place of Sampling	South East Turbine Building 4U Fukushima Daiichi NPS	North East of process main building fukushima Daiichi NPS	South East of process main building fukushima Daiichi NPS	South of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southwest part of On-site Bunker Building Fukushima Daiichi NPS	West part of Incineration Workshop Building Fukushima Daiichi NPS	North of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southeast part of On-site Bunker Building Fukushima Daiichi NPS
Time of Sampling	09:35 Sep 19 2011	09:41 Sep 19 2011	09:45 Sep 19 2011	10:00 Sep 19 2011	09:52 Sep 19 2011	09:57 Sep 19 2011	10:05 Sep 19 2011	09:49 Sep 19 2011
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)	4.5E-02	ND	ND	ND	ND	2.6E-01	ND	ND
Cs-137 (about 30 years)	6.0E-02	ND	ND	4.2E-02	ND	2.9E-01	ND	ND
Te-129 (approx.70mins)	ND	ND	ND		ND	ND	ND	ND
Te-129m (approx.34days)	ND	ND	ND	ND	ND	ND	ND	ND
Cs-136 (approx.13days)	ND	ND	ND	ND	ND	ND	ND	ND
Ba-140 (approx.13days)	ND	ND	ND	ND	ND	ND	ND	ND

* O.OE-O has the same meaning as O.O×**１０**-O.

* "ND" means the sampled data is below measurable limit.
The detection limits of major three nuclide that are not detected are as follow:
I-131: approx. 1E-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】 Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

Place of Sampling	South East Turbine Building 4U Fukushima Daiichi NPS	North East of process main building fukushima Daiichi NPS	South East of process main building fukushima Daiichi NPS	South of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southwest part of On-site Bunker Building Fukushima Daiichi NPS	West part of Incineration Workshop Building Fukushima Daiichi NPS	North of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southeast part of On-site Bunker Building Fukushima Daiichi NPS
Time of Sampling	09:57 Sep 20 2011	10:02 Sep 20 2011	10:06 Sep 20 2011	10:19 Sep 20 2011	N/A	10:15 Sep 20 2011	10:24 Sep 20 2011	10:11 Sep 20 2011
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)	3.8E-02	ND	ND	ND	-	1.9E-01	ND	ND
Cs-137 (about 30 years)	5.3E-02	3.1E-02	ND	ND	-	2.1E-01	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

* O.OE-O has the same meaning as O.O×**１０**-O.

* "ND" means the sampled data is below measurable limit.
The detection limits of major three nuclide that are not detected are as follow:
I-131: approx. 1E-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】 Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

Place of Sampling	South East Turbine Building 4U Fukushima Daiichi NPS	North East of process main building fukushima Daiichi NPS	South East of process main building fukushima Daiichi NPS	South of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southwest part of On-site Bunker Building Fukushima Daiichi NPS	West part of Incineration Workshop Building Fukushima Daiichi NPS	North of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southeast part of On-site Bunker Building Fukushima Daiichi NPS
Time of Sampling	10:06 Sep 21 2011	10:14 Sep 21 2011	10:27 Sep 21 2011	10:36 Sep 21 2011	N/A	10:41 Sep 21 2011	10:50 Sep 21 2011	10:30 Sep 21 2011
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)	4.1E-02	ND	ND	ND	-	2.5E-01	ND	ND
Cs-137 (about 30 years)	3.7E-02	ND	ND	ND	-	2.9E-01	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

* O.OE-O has the same meaning as O.O×**１０**-O.

* "ND" means the sampled data is below measurable limit.
The detection limits of major three nuclide that are not detected are as follow:
I-131: approx. 1E-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】 Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

Place of Sampling	South East Turbine Building 4U Fukushima Daiichi NPS	North East of process main building fukushima Daiichi NPS	South East of process main building fukushima Daiichi NPS	South of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southwest part of On-site Bunker Building Fukushima Daiichi NPS	West part of Incineration Workshop Building Fukushima Daiichi NPS	North of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southeast part of On-site Bunker Building Fukushima Daiichi NPS
Time of Sampling	09:51 Sep 22 2011	09:58 Sep 22 2011	10:02 Sep 22 2011	10:15 Sep 22 2011	N/A	10:12 Sep 22 2011	10:20 Sep 22 2011	10:07 Sep 22 2011
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)	1.6E-01	ND	ND	ND	-	3.2E-01	5.1E-01	ND
Cs-137 (about 30 years)	1.6E-01	ND	ND	4.5E-02	-	3.6E-01	5.4E-01	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

* O.OE-O has the same meaning as O.O×**１０**-O.

* "ND" means the sampled data is below measurable limit.
The detection limits of major three nuclide that are not detected are as follow:
I-131: approx. 2E-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】 Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

Place of Sampling	South East Turbine Building 4U Fukushima Daiichi NPS	North East of process main building fukushima Daiichi NPS	South East of process main building fukushima Daiichi NPS	South of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southwest part of On-site Bunker Building Fukushima Daiichi NPS	West part of Incineration Workshop Building Fukushima Daiichi NPS	North of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southeast part of On-site Bunker Building Fukushima Daiichi NPS
Time of Sampling	09:37 Sep 23 2011	09:45 Sep 23 2011	09:49 Sep 23 2011	10:03 Sep 23 2011	N/A	09:58 Sep 23 2011	10:09 Sep 23 2011	09:53 Sep 23 2011
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)	1.0E-01	ND	ND	3.1E-02	-	3.1E-01	4.6E-01	ND
Cs-137 (about 30 years)	1.2E-01	ND	ND	5.5E-02	-	4.0E-01	5.8E-01	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

* O.OE-O has the same meaning as O.O×**１０**-O.

* "ND" means the sampled data is below measurable limit.
The detection limits of major three nuclide that are not detected are as follow:
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 Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

Place of Sampling	South East Turbine Building 4U Fukushima Daiichi NPS	North East of process main building fukushima Daiichi NPS	South East of process main building fukushima Daiichi NPS	South of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southwest part of On-site Bunker Building Fukushima Daiichi NPS	West part of Incineration Workshop Building Fukushima Daiichi NPS	North of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southeast part of On-site Bunker Building Fukushima Daiichi NPS
Time of Sampling	09:43 Sep 24 2011	09:47 Sep 24 2011	09:51 Sep 24 2011	10:07 Sep 24 2011	N/A	10:02 Sep 24 2011	10:14 Sep 24 2011	09:56 Sep 24 2011
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)	1.2E-01	ND	ND	2.8E-02	-	4.6E-01	4.0E-01	ND
Cs-137 (about 30 years)	1.8E-01	ND	ND	ND	-	5.3E-01	4.7E-01	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

* O.OE-O has the same meaning as O.O×**１０**-O.

* "ND" means the sampled data is below measurable limit.
The detection limits of major three nuclide that are not detected are as follow:
I-131: approx. 2E-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】 Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

Place of Sampling	South East Turbine Building 4U Fukushima Daiichi NPS	North East of process main building fukushima Daiichi NPS	South East of process main building fukushima Daiichi NPS	South of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southwest part of On-site Bunker Building Fukushima Daiichi NPS	West part of Incineration Workshop Building Fukushima Daiichi NPS	North of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southeast part of On-site Bunker Building Fukushima Daiichi NPS
Time of Sampling	09:30 Sep 25 2011	09:35 Sep 25 2011	09:39 Sep 25 2011	09:51 Sep 25 2011	N/A	09:48 Sep 25 2011	09:56 Sep 25 2011	09:43 Sep 25 2011
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)	1.3E-01	ND	ND	3.0E-02	-	3.5E-01	3.7E-01	ND
Cs-137 (about 30 years)	1.1E-01	ND	ND	2.9E-02	-	4.1E-01	4.3E-01	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

* O.OE-O has the same meaning as O.O×**１０**-O.

* "ND" means the sampled data is below measurable limit.
The detection limits of major three nuclide that are not detected are as follow:
I-131: approx. 2E-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】 Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

Place of Sampling	South East Turbine Building 4U Fukushima Daiichi NPS	North East of process main building fukushima Daiichi NPS	South East of process main building fukushima Daiichi NPS	South of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southwest part of On-site Bunker Building Fukushima Daiichi NPS	West part of Incineration Workshop Building Fukushima Daiichi NPS	North of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southeast part of On-site Bunker Building Fukushima Daiichi NPS
Time of Sampling	09:39 Sep 26 2011	09:43 Sep 26 2011	09:46 Sep 26 2011	10:00 Sep 26 2011	14:22 Sep 26 2011	09:57 Sep 26 2011	10:05 Sep 26 2011	09:50 Sep 26 2011
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)	1.3E-01	ND	ND	2.9E-02	ND	2.2E-01	3.5E-01	ND
Cs-137 (about 30 years)	1.2E-01	ND	ND	3.0E-02	ND	2.5E-01	4.3E-01	ND
Te-129 (approx.70mins)	ND	ND	ND	ND	ND	ND	ND	ND
Te-129m (approx.34days)	ND	ND	ND	ND	ND	ND	ND	ND
Cs-136 (approx.13days)	ND	ND	ND	ND	ND	ND	ND	ND
Ba-140 (approx.13days)	ND	ND	ND	ND	ND	ND	ND	ND

* O.OE-O has the same meaning as O.O×**１０**-O.

* "ND" means the sampled data is below measurable limit.
The detection limits of major three nuclide that are not detected are as follow:
I-131: approx. 2E-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】 Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

Place of Sampling	South East Turbine Building 4U Fukushima Daiichi NPS	North East of process main building fukushima Daiichi NPS	South East of process main building fukushima Daiichi NPS	South of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southwest part of On-site Bunker Building Fukushima Daiichi NPS	West part of Incineration Workshop Building Fukushima Daiichi NPS	North of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southeast part of On-site Bunker Building Fukushima Daiichi NPS
Time of Sampling	09:36 Sep 27 2011	09:42 Sep 27 2011	09:45 Sep 27 2011	09:56 Sep 27 2011	N/A	09:53 Sep 27 2011	10:00 Sep 27 2011	09:49 Sep 27 2011
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)	1.8E-01	ND	ND	3.7E-02	-	3.2E-01	3.1E-01	ND
Cs-137 (about 30 years)	2.2E-01	ND	ND	3.7E-02	-	3.6E-01	3.6E-01	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

* O.OE-O has the same meaning as O.O×**１０**-O.

* "ND" means the sampled data is below measurable limit.
The detection limits of major three nuclide that are not detected are as follow:
I-131: approx. 2E-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】 Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

Place of Sampling	South East Turbine Building 4U Fukushima Daiichi NPS	North East of process main building fukushima Daiichi NPS	South East of process main building fukushima Daiichi NPS	South of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southwest part of On-site Bunker Building Fukushima Daiichi NPS	West part of Incineration Workshop Building Fukushima Daiichi NPS	North of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southeast part of On-site Bunker Building Fukushima Daiichi NPS
Time of Sampling	09:53 Sep 28 2011	09:58 Sep 28 2011	10:01 Sep 28 2011	10:12 Sep 28 2011	N/A	10:09 Sep 28 2011	10:16 Sep 28 2011	10:06 Sep 28 2011
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)	6.5E-02	ND	ND	4.3E-02	-	2.6E-01	1.5E-01	ND
Cs-137 (about 30 years)	8.9E-02	ND	ND	4.4E-02	-	2.7E-01	1.6E-01	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

* O.OE-O has the same meaning as O.O×**１０**-O.

* "ND" means the sampled data is below measurable limit.
The detection limits of major three nuclide that are not detected are as follow:
I-131: approx. 1E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 2E-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 Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

Place of Sampling	South East Turbine Building 4U Fukushima Daiichi NPS	North East of process main building fukushima Daiichi NPS	South East of process main building fukushima Daiichi NPS	South of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southwest part of On-site Bunker Building Fukushima Daiichi NPS	West part of Incineration Workshop Building Fukushima Daiichi NPS	North of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southeast part of On-site Bunker Building Fukushima Daiichi NPS
Time of Sampling	10:32 Sep 29 2011	10:36 Sep 29 2011	10:39 Sep 29 2011	10:50 Sep 29 2011	N/A	10:48 Sep 29 2011	10:58 Sep 29 2011	10:44 Sep 29 2011
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)	1.3E-01	ND	ND	3.9E-02	-	2.1E-01	1.4E-01	ND
Cs-137 (about 30 years)	1.9E-01	ND	ND	3.2E-02	-	2.3E-01	1.7E-01	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

* O.OE-O has the same meaning as O.O×**１０**-O.

* "ND" means the sampled data is below measurable limit.
The detection limits of major three nuclide that are not detected are as follow:
I-131: approx. 2E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 2E-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 Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

Place of Sampling	South East Turbine Building 4U Fukushima Daiichi NPS	North East of process main building Fukushima Daiichi NPS	South East of process main building Fukushima Daiichi NPS	South of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southwest part of On-site Bunker Building Fukushima Daiichi NPS	West part of Incineration Workshop Building Fukushima Daiichi NPS	North of Miscellaneous Solid Waste Volume Reduction Treatment Building Fukushima Daiichi NPS	Southeast part of On-site Bunker Building Fukushima Daiichi NPS
Time of Sampling	10:22 Sep 30 2011	10:27 Sep 30 2011	10:31 Sep 30 2011	10:41 Sep 30 2011	N/A	10:44 Sep 30 2011	10:17 Sep 30 2011	10:35 Sep 30 2011
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)	7.8E-02	ND	ND	ND	-	2.3E-01	7.3E-02	ND
Cs-137 (about 30 years)	1.1E-01	ND	ND	3.7E-02	-	2.6E-01	8.6E-02	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

* O.OE-O has the same meaning as O.O×**１０**-O.

* "ND" means the sampled data is below measurable limit.
The detection limits of major three nuclide that are not detected are as follow:
I-131: approx. 1E-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】Nuclide Analysis Results of 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	08:34 Sep 28 2011		08:36 Sep 28 2011		08:45 Sep 29 2011		08:43 Sep 29 2011		07:51 Sep 27 2011		07:52 Sep 27 2011		
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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【Definite Report】Nuclide Analysis Results of 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	2011 Sep 27 (Not sampled)		2011 Sep 27 (Not sampled)		2011 Sep 27 (Not sampled)		2011 Sep 27 (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 of Miyagi Prefecture 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	10:36 Sep 27 2011		10:31 Sep 27 2011		10:25 Sep 27 2011		08:37 Sep 27 2011		08:23 Sep 27 2011		08:13 Sep 27 2011		
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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【Definite Report】 Nuclide Analysis Results of Seawater ＜Offshore of Miyagi Prefecture 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	09:17 Sep 27 2011		09:23 Sep 27 2011		09:10 Sep 27 2011		09:33 Sep 27 2011		09:43 Sep 27 2011		09:38 Sep 27 2011		
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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【Definite Report】 Nuclide Analysis Results of Seawater ＜Offshore of Miyagi Prefecture 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	07:08 Sep 27 2011		07:15 Sep 27 2011		07:05 Sep 27 2011		08:19 Sep 27 2011		08:30 Sep 27 2011		08:20 Sep 27 2011		
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 follow:
I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

【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 Sep 16 (Not sampled)	2011 Sep 16 (Not sampled)	07:30 Sep 16 2011	
Detected Nuclides (Half-life)	Density of sample (Bq/kg)			
I-131 (about 8 days)	—	—	ND	
Cs-134 (about 2 years)	—	—	45	
Cs-137 (about 30 years)	—	—	51	
Mn-54 (about 310 days)	—	—	ND	
Co-60 (approx.5yrs)	—	—	ND	
Tc-99m (approx.6hrs)	—	—	ND	
Ag-110m (approx.250days)	—	—	ND	
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 follow:
I-131: approx. 3Bq/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	15 km offshore of Ukedo-gawa	15 km offshore of Fukushima Daiichi		
Time of Sampling	2011 Sep 24 (Not sampled)	2011 Sep 24 (Not sampled)		
Detected Nuclides (Half-life)	Density of sample (Bq/kg)			
I-131 (about 8 days)	–	–		
Cs-134 (about 2 years)	–	–		
Cs-137 (about 30 years)	–	–		
Mn-54 (about 310 days)	–	–		
Co-60 (approx.5yrs)	–	–		
Tc-99m (approx.6hrs)	–	–		
Ag-110m (approx.250days)	–	–		
Te-129 (approx.70mins)	–	–		
Te-129m (approx.34days)	–	–		
Cs-136 (approx.13days)	–	–		
Ba-140 (approx.13days)	–	–		
La-140 (approx.40hrs)	–	–		

【Definite Report】 Nuclide analysis results of ocean soil

Place of Sampling	15 km offshore of Ukedo-gawa	15 km offshore of Fukushima Daiichi		
Time of Sampling	09:00 Sep 25 2011	08:20 Sep 25 2011		
Detected Nuclides (Half-life)	Density of sample (Bq/kg)			
I-131 (about 8 days)	ND	ND		
Cs-134 (about 2 years)	34	190		
Cs-137 (about 30 years)	42	210		
Mn-54 (about 310 days)	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 follow:
I-131: approx. 5Bq/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 （Additional Monitoring) ＜1/2＞

Place of Sampling	10km offshore of Soma	3km offshore of Kashima	10km offshore of Kashima	15km offshore of Kashima	3km offshore of Mano River	5km offshore of Mano River	10km offshore of Mano River	15km offshore of Mano River
Time of Sampling	05:55 Sep 27 2011	06:32 Sep 28 2011	06:13 Sep 27 2011	06:15 Sep 26 2011	06:56 Sep 28 2011	07:21 Sep 28 2011	06:31 Sep 27 2011	06:41 Sep 26 2011
Detected Nuclides (Half-life)	Density of sample (Bq/kg)							
I-131 (about 8 days)	ND	ND	ND	ND	ND	ND	ND	ND
Cs-134 (about 2 years)	14	110	54	22	47	27	22	22
Cs-137 (about 30 years)	17	130	56	27	61	33	27	25
Mn-54 (about 310 days)	ND	ND	ND	ND	ND	ND	ND	ND
Co-60 (approx.5yrs)	ND	ND	ND	ND	ND	ND	ND	ND
Tc-99m (approx.6hrs)	ND	ND	ND	ND	ND	ND	ND	ND
Ag-110m (approx.250days)	ND	ND	ND	ND	ND	ND	ND	ND
Te-129 (approx.70mins)	ND	ND	ND	ND	ND	ND	ND	ND
Te-129m (approx.34days)	ND	ND	ND	ND	ND	ND	ND	ND
Cs-136 (approx.13days)	ND	ND	ND	ND	ND	ND	ND	ND
Ba-140 (approx.13days)	ND	ND	ND	ND	ND	ND	ND	ND
La-140 (approx.40hrs)	ND	ND	ND	ND	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 follow:
I-131: approx. 4Bq/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 （Additional Monitoring) ＜2/2＞

Place of Sampling	3km offshore of Yotsukura	8km offshore of Yotsukura	15km offshore of Yotsukura	8km offshore of Natsui River	15km offshore of Natsui River	5km offshore of Toyoma	5km offshore of Ena	5km offshore of Onahama East
Time of Sampling	05:10 Sep 28 2011	05:55 Sep 28 2011	05:40 Sep 27 2011	06:25 Sep 28 2011	06:20 Sep 27 2011	06:42 Sep 26 2011	06:12 Sep 26 2011	05:50 Sep 26 2011
Detected Nuclides (Half-life)	Density of sample (Bq/kg)							
I-131 (about 8 days)	ND	ND	ND	ND	ND	ND	ND	ND
Cs-134 (about 2 years)	190	250	56	130	20	64	320	1,100
Cs-137 (about 30 years)	230	290	63	150	24	83	370	1,300
Mn-54 (about 310 days)	ND	ND	ND	ND	ND	ND	ND	ND
Co-60 (approx.5yrs)	ND	ND	ND	ND	ND	ND	ND	ND
Tc-99m (approx.6hrs)	ND	ND	ND	ND	ND	ND	ND	ND
Ag-110m (approx.250days)	ND	ND	ND	ND	ND	ND	ND	14
Te-129 (approx.70mins)	ND	ND	ND	ND	ND	ND	ND	ND
Te-129m (approx.34days)	ND	ND	ND	ND	ND	ND	ND	190
Cs-136 (approx.13days)	ND	ND	ND	ND	ND	ND	ND	ND
Ba-140 (approx.13days)	ND	ND	ND	ND	ND	ND	ND	ND
La-140 (approx.40hrs)	ND	ND	ND	ND	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 follow:
I-131: approx. 11Bq/kg.
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.