Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fuk (Refe	MP-1 of Fukushima Daini (Reference)			Density limit in the air to workers engaged in tasks
Time of Sampling	2011/11/1 7:00 ~ 12:00		2011 9:43:	2011/11/1 9:43: ~ 9:53			associated with radiation ( Bq/cm3 ) (Density limit in the
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	air to which radiation workers breathe in the section 4 of the appendix 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.

\* 0.0E - 0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
\* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable". The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows: Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3 Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

Place of Sampling	Fukushima I	Fukushima Daiichi MP-1		Fukushima Daiichi MP-3		Daiichi MP-8	Density limit in the air to workers engaged in tasks
Time of Sampling	2011 10:47 -	2011/11/1 10:47 ~ 15:47		2011/11/1 10:13 ~ 15:13		/11/1 ~ 15:26	associated with radiation (Bq/cm3) (Density limit in the
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	air to which radiation workers breathe in the section 4 of the appendix 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
l-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.

\* 0.0E - 0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
\* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable". The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows: Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3 Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fuk (Refe	MP-1 of Fukushima Daini (Reference)			Density limit in the air to workers engaged in tasks
Time of Sampling	2011/11/2 7:00 ~ 12:00		2011 9:39 -	2011/11/2 9:39 ~ 9:49			associated with radiation (Bq/cm3) (Density limit in the
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	air to which radiation workers breathe in the section 4 of the appendix 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.

\* 0.0E - 0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
\* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable". The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows: Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3 Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

Place of Sampling	North Side Fukushima D	e Slope of aiichi Unit 1	West Side Slope of Fukushima Daiichi Unit 1 & 2		West Side Fukushima Da	e Slope of ilichi Unit 3 & 4	Density limit in the air to workers engaged in tasks
Time of Sampling	2011 9:21 ~	2011/11/2 9:21 ~ 14:21		/11/2 14:30	2011 9:35 ~	/11/2 14:35	associated with radiation ( Bq/cm3 ) (Density limit in the
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	air to which radiation workers breathe in the section 4 of the appendix 2)
l-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.

\* 0.0E - 0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
\* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable". The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows: Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3 Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

Place of Sampling	At the Surfa seawall of Dai	At the Surface of South seawall of Fukushima Daiichi		f Mega Float ushima Daiichi			Density limit in the air to workers engaged in tasks
Time of Sampling	2011/11/1 19:00 ~ 24:00		2011 19:00 -	2011/11/1 19:00 ~ 24:00			associated with radiation ( Bq/cm3 ) (Density limit in the
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	air to which radiation workers breathe in the section 4 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	3.7E-07	0.00	ND	-			2E-03
Cs-137 (about 30 years)	3.4E-07	0.00	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129 (approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
l-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	-	$\nearrow$		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.

\* 0.0E - 0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
\* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable". The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows: Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3 Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

Place of Sampling	West Gate o Daiich	West Gate of Fukushima Daiichi NPS		ushima Daini rence)			Density limit in the air to workers engaged in tasks
Time of Sampling	2011/11/3 7:00 ~ 12:00		2011 9:14 -	2011/11/3 9:14 ~ 9:23			associated with radiation (Bq/cm3) (Density limit in the
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	air to which radiation workers breathe in the section 4 of the appendix 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
l-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.

\* 0.0E - 0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
\* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable". The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows: Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3 Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

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

Place of Sampling	2km-3km offsl	nore of	2km-3km offsh	nore of	2km-3km offsh	nore of	2km-3km offsh	ore of	
r labo or oamping	Fukushima D	aiichi	Density limit in the						
Time of Sampling	2011/11/ (Not sampl	1 ed)	2011/11/1 (Not sampled)		2011/11/1 (Not sampled)		2011/11/1 (Not sampled)		air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	the section 4 of the appendix 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
l-133 (approx.21hrs)	-	-	-	-	-	-	-	-	5E-03
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
Ba-140 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
La-140 (approx.40hrs)	-	-	-	-	-	-	-	-	1E-02

0.0E - 0 means 0.0 x 10-0

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

Place of Sampling	2km-3km offst	nore of	2km-3km offsh	nore of	2km-3km offst	nore of	2km-3km offsh	nore of	
	Fukushima D	alichi	Fukusnima D	alichi	Fukusnima D	alichi	Fukusnima D	alichi	Density limit in the
Time of Sampling	2011/11/ (Not sampl	2 ed)	2011/11/2 (Not sampled)		2011/11/2 (Not sampled)		2011/11/2 (Not sampled)		air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	workers breathe in the section 4 of the appendix 2)						
l-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
l-132 (approx.2hrs)	-	-	-	-	-	-	-	-	7E-02
Te-132 ( approx.78hrs )	-	-	-	-	-	-	-	-	4E-03
l-133 (approx.21hrs)	-	-	-	-	-	-	-	-	5E-03
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
Ba-140 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
La-140 (approx.40hrs)	-	-	-	-	-	-	-	-	1E-02

0.0E - 0 means 0.0 x 10-0

Place of Sampling	West Gate of Fukushima Daiichi NPS		MP-1 of Fuk (Refe	MP-1 of Fukushima Daini (Reference)			Density limit in the air to workers engaged in tasks
Time of Sampling	2011/11/4 7:00 ~ 12:00		2011 9:10 -	2011/11/4 9:10 ~ 9:20			associated with radiation ( Bq/cm3 ) (Density limit in the
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	air to which radiation workers breathe in the section 4 of the appendix 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.

\* 0.0E - 0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
\* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable". The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows: Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3 Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

#### 【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 offsl	nore of	2km-3km offsh	nore of	2km-3km offsh	nore of	2km-3km offsh	nore of	
	Fukushima D	alichi	Density limit in the						
Time of Sampling	2011/11/ (Not sampl	3 ed)	2011/11/ (Not sample	3 ed)	2011/11/3 (Not sampled)		2011/11/3 (Not sampled)		air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	workers breathe in the section 4 of the appendix 2)						
l-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
l-132 (approx.2hrs)	-	-	-	-	-	-	-	-	7E-02
Te-132 ( approx.78hrs )	-	-	-	-	-	-	-	-	4E-03
l-133 (approx.21hrs)	-	-	-	-	-	-	-	-	5E-03
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
Ba-140 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
La-140 (approx.40hrs)	-	-	-	-	-	-	-	-	1E-02

\* 0.0E - 0 means 0.0 x 10-0

Place of Sampling	West Gate o Daiich	West Gate of Fukushima Daiichi NPS		ushima Daini rence)			Density limit in the air to workers engaged in tasks
Time of Sampling	2011/11/5 7:00 ~ 12:00		2011 8:54 -	2011/11/5 8:54 ~ 9:04			associated with radiation ( Bq/cm3 ) (Density limit in the
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	air to which radiation workers breathe in the section 4 of the appendix 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
l-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.

\* 0.0E - 0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
\* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable". The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows: Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3 Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

#### 【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 offsh	nore of	2km-3km offsh	nore of	2km-3km offst	nore of	2km-3km offsh	ore of	
	Fukushima D	alichi	Fukusnima D	alichi	Fukushima D	alichi	Fukusnima D	alichi	Density limit in the
Time of Sampling	2011/11/ (Not sampl	4 ed)	2011/11/4 (Not sampled)		2011/11/4 (Not sampled)		2011/11/4 (Not sampled)		air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	workers breathe in the section 4 of the appendix 2)						
l-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
l-132 (approx.2hrs)	-	-	-	-	-	-	-	-	7E-02
Te-132 ( approx.78hrs )	-	-	-	-	-	-	-	-	4E-03
l-133 (approx.21hrs)	-	-	-	-	-	-	-	-	5E-03
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
Ba-140 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
La-140 (approx.40hrs)	-	-	-	-	-	-	-	-	1E-02

\* 0.0E - 0 means 0.0 x 10-0

Place of Sampling	West Gate o Daiich	f Fukushima hi NPS	MP-1 of Fuk (Refe	ushima Daini rence)			Density limit in the air to workers engaged in tasks
Time of Sampling	2011 7:00 ~	/11/6 12:00	2011 9:23 -	2011/11/6 9:23 ~ 9:33			associated with radiation (Bq/cm3) (Density limit in the
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	air to which radiation workers breathe in the section 4 of the appendix 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
l-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.

\* 0.0E - 0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
\* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable". The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows: Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3 Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

#### 【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 offst	nore of	2km-3km offst	nore of	2km-3km offst	hore of	2km-3km offsh	nore of	
Time of Sampling	Fukushima L	alichi	<u>Fukushima D</u>	alichi	Fukushima D	Janchi	Fukushima D		
	2011/11/5 2011/11/5 (Not sampled) (Not sample		5 ed)	5 2011/11/5 ed) (Not sampled)		2011/11/5 (Not sampled)		radiation ( Bq/cm3 ) (Density limit in the air to which radiation	
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	workers breathe in the section 4 of the appendix 2)
l-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
l-132 (approx.2hrs)	-	-	-	-	-	-	-	-	7E-02
Te-132 (approx.78hrs )	-	-	-	-	-	-	-	-	4E-03
l-133 (approx.21hrs)	-	-	-	-	-	-	-	-	5E-03
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
Ba-140 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
La-140 (approx.40hrs)	-	-	-	-	-	-	-	-	1E-02

0.0E - 0 means 0.0 x 10-0

Place of Sampling	West Gate o Daiich	f Fukushima hi NPS	MP-1 of Fuk (Refe	ushima Daini rence)			Density limit in the air to workers engaged in tasks
Time of Sampling	2011 7:00 ~	/11/7 12:00	2011 9:20 -	2011/11/7 9:20 ~ 9:30			associated with radiation (Bq/cm3) (Density limit in the
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	air to which radiation workers breathe in the section 4 of the appendix 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.

\* 0.0E - 0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
\* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable". The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows: Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3 Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

#### 【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 offst	nore of							
Time of Sampling	2011/11/6 (Not sampled)		2011/11/6 (Not sampled)		2011/11/6 (Not sampled)		2011/11/6 (Not sampled)		Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	workers breathe in the section 4 of the appendix 2)						
l-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
l-132 (approx.2hrs)	-	-	-	-	-	-	-	-	7E-02
Te-132 ( approx.78hrs )	-	-	-	-	-	-	-	-	4E-03
l-133 (approx.21hrs)	-	-	-	-	-	-	-	-	5E-03
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
Ba-140 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
La-140 (approx.40hrs)	-	-	-	-	-	-	-	-	1E-02

\* 0.0E - 0 means 0.0 x 10-0

Place of Sampling	West Gate o Daiich	f Fukushima ni NPS	MP-1 of Fuk (Refe	ushima Daini rence)			Density limit in the air to workers engaged in tasks
Time of Sampling	2011 7:00 ~	/11/8 12:00	2011 9:40 -	2011/11/8 9:40 ~ 9:50			associated with radiation ( Bq/cm3 ) (Density limit in the
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	air to which radiation workers breathe in the section 4 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	ND	-	ND	-			2E-03
Cs-137 (about 30 years)	2.4E-07	0.00	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te-129 (approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132 (approx.2hrs)	ND	-	ND	-			7E-02
Te-132 ( approx.78hrs )	ND	-	ND	-			4E-03
I-133 (approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	ND	-	ND	-			1E-02

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

\* 0.0E - 0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
\* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable". The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows: Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3 Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

Place of Sampling	Fukushima I	Fukushima Daiichi MP-1		Daiichi MP-3	Fukushima	Daiichi MP-8	Density limit in the air to workers engaged in tasks
Time of Sampling	2011 9:54 ~	/11/8 • 14:54	2011 9:31 ~	/11/8 14:31	2011 9:43 ~	/11/8 • 14:43	associated with radiation (Bq/cm3) (Density limit in the
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	air to which radiation workers breathe in the section 4 of the appendix 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.

\* 0.0E - 0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
\* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable". The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows: Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3 Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

#### 【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 offsh	nore of							
	Fukushima D	alichi	Density limit in the						
Time of Sampling	2011/11/ (Not sampl	7 ed)	2011/11/ (Not sampl	7 ed)	2011/11/ (Not sampl	7 ed)	/2011/11 (Not sample)	7 ed)	air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which radiation
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	workers breathe in the section 4 of the appendix 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
l-133 (approx.21hrs)	-	-	-	-	-	-	-	-	5E-03
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
Ba-140 (approx.13days)	-	-	-	-	-	-	-	-	1E-02
La-140 (approx.40hrs)	-	-	-	-	-	-	-	-	1E-02

\* 0.0E - 0 means 0.0 x 10-0

Place of Sampling	West Gate o Daiich	of Fukushima ni NPS	MP-1 of Fuki (Refer	ushima Daini rence)		$\sim$	Density limit in the air
Time of Sampling	2011 7:00 ~	/11/9 · 12:00	2011. 9:48 -	/11/9 ~ 9:58			tasks associated with radiation (Bq/cm3)
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	to which radiation workers breathe in the section 4 of the appendix 2)
l-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.

\* 0.0E - 0 means 0.0 x 10-0

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

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

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

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

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

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

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

\* 0.0E - 0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \* "ND" means the sampled data is below measurable limit.

The detection limits of major three nuclide that are not detected are as follows:

Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 4E-6Bq/cm3, Cs-137: approx. 5E-6Bq/cm3 Particulate: I-131: approx. 1E-6Bq/cm3

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

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

Place of Sampling	2km-3km offsl Fukushima D	nore of Daiichi	2km-3km offst Fukushima D	nore of aiichi	2km-3km offsl Fukushima D	hore of Daiichi	2km-3km offst Fukushima D	nore of aiichi	
Time of Sampling	2011/11/8 (Not sampled)		2011/11/8 (Not sampled)		2011/11/ (Not sampl	'8 led)	2011/11/ (Not sampl	8 ed)	Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air to which
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	radiation workers preathe in the section 4 of the appendix 2)						
l-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

\* 0.0E - 0 means 0.0 x 10-0

Place of Sampling	West Gate o Daiich	f Fukushima ni NPS	MP-1 of Fuk (Refe	ushima Daini rence)			Density limit in the air
Time of Sampling	2011/ 7:00 ~	'11/10 <sup>,</sup> 12:00	2011/ 9:37 -	′11/10 ~ 9:47			to workers engaged in tasks associated with radiation ( Bq/cm3 )
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	(Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
l-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.

\* 0.0E - 0 means 0.0 x 10-0

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

\* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable" The detection limits of major three nuclide that are not detected at west gate of Fukushima Daiichi NPP are as follows:

Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3 Particulate: I-131: approx. 6E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

Place of Sampling	North Sid	e Slope of	West Side Fukushima Da	e Slope of iiichi Unit 1 &	West Side Fukushima Da	e Slope of aiichi Unit 3 &	Density limit in the
Time of Sampling	2011/ 10:02 -	/11/10 ~ 15:02	2011/ 10:11 -	2 /11/10 ~ 15:11	4 2011/11/10 10:15 ~ 15:15		air to workers engaged in tasks associated with radiation (Bq/cm3) (Density limit in the air
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	to which radiation workers breathe in the section 4 of the appendix 2)
l-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.

\* 0.0E - 0 means 0.0 x 10-0

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

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

The detection limits of major three nuclide that are not detected are as follows:

Volatile: I-131: approx. 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.

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

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

\* 0.0E - 0 means 0.0 x 10-0

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

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

The detection limits of major three nuclide that are not detected are as follows:

Volatile: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 4E-6Bq/cm3, Cs-137: approx. 5E-6Bq/cm3 Particulate: I-131: approx. 1E-6Bq/cm3

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

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

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

\* 0.0E - 0 means 0.0 x 10-0

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

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

The detection limits of major three nuclide that are not detected are as follows:

Volatile: I-131: approx. 2E-7Bq/cm3, Cs-134: approx. 4E-7Bq/cm3, Cs-137: approx. 5E-7Bq/cm3 Particulate: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3 Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

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

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

O.OE - O means O.O x 10-O
 In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
 ""ND" means the sampled data is below measurable limit.
 The detection limits of major three nuclide that are not detected are as follows:

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

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

This is the result of nuclides analysis for aerial radioactive particles

Place of Sampling	West Gate o Daiich	of Fukushima ni NPS	MP-1 of Fuk (Refe	ushima Daini rence)			Density limit in the air
Time of Sampling	2011/ 7:00 ~	/11/11 · 12:00	2011/ 9:36 ~	'11/11 ~ 9:46			to workers engaged in tasks associated with radiation ( Bq/cm3 )
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	(Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	ND	-	ND	-			2E-03
Cs-137 (about 30 years)	ND	-	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te- 129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 ( approx.78hrs )	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	ND	-	ND	-			1E-02

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

\* 0.0E - 0 means 0.0 x 10-0

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

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

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

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

Particulate: I-131: approx. 9E-7Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 1E-6Bq/cm3

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

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

\* 0.0E - 0 means 0.0 x 10-0

O.DE - O means O.OX 10-O
 \* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
 \* "ND" means the sampled data is below measurable limit.
 The detection limits of major three nuclide that are not detected are as follows:

I-131: approx. 4E-8Bq/cm3, Cs-134: approx. 3E-8Bq/cm3, Cs-137: approx. 3E-8Bq/cm3 Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

This is the result of nuclides analysis for aerial radioactive particles

Place of Sampling	West Gate o Daiich	if Fukushima าi NPS	MP-1 of Fuki (Refe	ushima Daini rence)			Density limit in the air
Time of Sampling	2011/ 7:00 ~	/11/12 · 12:00	2011/ 9:24 -	'11/12 ~ 9:34			to workers engaged in tasks associated with radiation ( Bq/cm3 )
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	(Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
l-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.

\* 0.0E - 0 means 0.0 x 10-0

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

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

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

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

\* O.OE - O means O.O x 10-O \* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \* "ND" means the sampled data is below measurable limit.

The detection limits of major three nuclide that are not detected are as follows:

I-131: approx. 2E-8Bq/cm3, Cs-134: approx. 3E-8Bq/cm3, Cs-137: approx. 3E-8Bq/cm3

Please note that these nuclides are sometimes detected even when they are below the limits,

contingent on the detector or samples. This is the result of nuclides analysis for aerial radioactive particles

Place of Sampling	West Gate o Daiich	of Fukushima ni NPS	MP-1 of Fuk (Refe	ushima Daini rence)			Density limit in the air
Time of Sampling	2011/ 7:00 ~	′11/13 · 12:00	2011/ 9:04 -	′11/13 ~ 9:14			tasks associated with radiation (Bq/cm3)
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	to which radiation workers breathe in the section 4 of the appendix 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.

\* 0.0E - 0 means 0.0 x 10-0

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

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

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

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

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

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

Place of Sampling	West Gate o Daiich	of Fukushima ni NPS	MP-1 of Fuk (Refe	ushima Daini rence)			Density limit in the air	
Time of Sampling	2011/ 7:00 ~	′11/14 · 12:00	2011/ 9:24 -	/11/14 ~ 9:34			to workers engaged in tasks associated with radiation ( Bq/cm3 )	
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	to which radiation workers breathe in the section 4 of the appendix 2)	
l-131 (about 8 days)	ND	-	ND	-			1E-03	
Cs-134 (about 2 years)	ND	-	ND	-			2E-03	
Cs-137 (about 30 years)	1.9E-07	0.00	ND	-			3E-03	
Nb-95 (approx.35days)	ND	-	ND	-			2E-02	
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01	
Ag-110m (approx.250days)	ND	-	ND	-			3E-03	
Te- 129(approx.70mins)	ND	-	ND	-			4E-01	
Te-129m (approx.34days)	ND	-	ND	-			4E-03	
I-132(approx.2hrs)	ND	-	ND	-			7E-02	
Te-132 ( approx.78hrs )	ND	-	ND	-			4E-03	
I-133(approx.21hrs)	ND	-	ND	-			5E-03	
Cs-136 (approx.13days)	ND	-	ND	-			1E-02	
Ba-140 (approx.13days)	ND	-	ND	-			1E-02	
La-140 (approx.40hrs)	ND	-	ND	-			1E-02	

\* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's d \* 0.0E - 0 means 0.0 x 10-0

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

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

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

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

Particulate: I-131: approx. 9E-7Bq/cm3, Cs-134: approx. 2E-6Bq/cm3, Cs-137: approx. 1E-6Bq/cm3

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

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

\* 0.0E - 0 means 0.0 x 10-0

NOE - O means O.O x 10-O
 In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.
 "ND" means the sampled data is below measurable limit.
 The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 2E-8Bq/cm3, Cs-134: approx. 3E-8Bq/cm3, Cs-137: approx. 3E-8Bq/cm3
 Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

This is the result of nuclides analysis for aerial radioactive particles

Place of Sampling	West Gate o Daiich	f Fukushima ni NPS	MP-1 of Fukushima Daini (Reference)				Density limit in the oir to
Time of Sampling	2011/ 7:00 ~	11/15 12:00	2011/ 9:28 -	'11/15 ~ 9:38			workers engaged in tasks associated with radiation (Bq/cm3)
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	which radiation workers breathe in the section 4 of the appendix 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.

\* 0.0E - 0 means 0.0 x 10-0

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

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

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

Volatile: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3 Particulate: I-131: approx. 7E-8Bq/cm3, Cs-134: approx. 2E-7Bq/cm3, Cs-137: approx. 2E-7Bq/cm3

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

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

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

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

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

\* 0.0E - 0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \* "ND" means the sampled data is below measurable limit.

The detection limits of major three nuclide that are not detected are as follows:

Volatile: I-131: approx. 2E-7Bq/cm3, Cs-134: approx. 5E-7Bq/cm3, Cs-137: approx. 5E-7Bq/cm3

Particulate: I-131: approx. 1E-7Bq/cm3, Cs-134: approx. 3E-7Bq/cm3, Cs-137: approx. 3E-7Bq/cm3 Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.
Place of Sampling	North of Discharg 5-6u of (approx. 30m n discharge c	ge Channel of 1F orth of 5-6u hannel)	Around South Channel (appox. 330m s Discharge C	Discharge of 1F south of 1-4u Channel)	Around North Channel (Around 3,4u Chann (approx. 10 kn	Discharge of 2F Discharge el) n from 1F)	Around Iwasawa (appox. 7 km s Discharge C (appox. 16 kn	a Shore of 2F south of 1,2u Channel) n from 1F)	② Density limit by the announcement of Reactor Regulation (Bq/L)
Time of Sampling	Nov 01, 2 08:40 a	2011 am	Nov 01, 1 08:20 ;	2011 am	Nov 01, 2 08:20 a	2011 am	Nov 01, 07:50	2011 am	(the density limit in the water outside of
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)	surrounding monitored areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	2.1	0.04	ND	-	1.2	0.02	ND	-	60
Cs-137 (about 30 years)	3.2	0.04	1.2	0.01	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.72Bq/L, Cs-134: approx. 0.87Bq/L, Cs-137: approx. 1.1Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

# [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < offshore 1/4>

Place of Sampling	3 km offsh Haramachi Wa layer	ore of ard Upper	3 km offsh Haramachi Wa layer	ore of ard Lower	3 km offshore Ward Uppe	of Odaka r layer	3 km offshore Ward Lowe	of Odaka er layer	3 km offsh Iwasawa sho layer	ore of re Upper	3 km offsh Iwasawa sho layer	ore of re Lower	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Oct 31, 2 (Not sam	2011 pled)	Oct 31, 2 (Not sam)	2011 pled)	Oct 31, 2 (Not sam	2011 pled)	Oct 31, 2 (Not sam	2011 pled)	Oct 31, 2 (Not sam	2011 pled)	Oct 31, 2 (Not sam	2011 pled)	(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	-	-	-	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	-	-	-	-	90
Mo-99 (approx. 66hrs)	-	-	-	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Te- 129(approx.70mins)	-	-	-	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs )	-	-	-	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Ba- 140(approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
La-140 (approx. 40hrs)	-	-	-	-	-	-	-	-	-	-	-	-	400

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

# [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < offshore 2/4>

Place of Sampling	8 km offshore Ward Uppe	of Odaka r layer	8 km offshore Ward Lowe	of Odaka er layer	8 km offsh Iwasawa sho layer	ore of re Upper	8 km offsh Iwasawa sho layer	ore of re Lower					② Density limit by the announcement of Reactor Regulation
Time of Sampling	Oct 31, 2 (Not sam)	2011 pled)	Oct 31, 2 (Not sam	2011 pled)	Oct 31, 2 (Not sam	2011 pled)	Oct 31, 2 (Not sam	2011 pled)					(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
l-131 (about 8 days)	-	-	-	-	-	-	-	-					40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-					60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-					90
Mo-99 (approx. 66hrs)	-	-	-	-	-	-	-	-					1,000
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-					40,000
Te-129m (approx.34days)	-	-	-	-	-	-	-	-					300
Te- 129(approx.70mins)	-	-	-	-	-	-	-	-					10,000
Te-132 (approx.78hrs )	-	-	-	-	-	-	-	-					200
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-					3,000
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-					300
Ba- 140(approx.13days)	-	-	-	-	-	-	-	-					300
La-140 (approx. 40hrs)	-	-	-	-	-	-	-	-					400

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

## [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < offshore 3/4>

Place of Sampling	3 km offshore of Iwaki Upp	of North er layer	3 km offshore of Iwaki Low	of North er layer	3 km offshore river Uppe	of Natsui r layer	3 km offshore river Lowe	of Natsui r layer	3 km offsh Onahama po layer	ore of ort Upper	3 km offsh Onahama po layer	ore of ort Lower	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Oct 31, 2 05:35 a	2011 am	Oct 31, 2 05:35 a	2011 am	Oct 31, 2 05:55 a	2011 am	Oct 31, 2 05:55 a	2011 am	Oct 31, 2 (Not sam	2011 pled)	Oct 31, 2 (Not sam	2011 pled)	(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)						
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	10,000
Te-132 (approx.78hrs )	ND	-	ND	-	ND	-	ND	-	-	-	-	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.72Bq/L, Cs-134: approx. 0.91Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

## [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < offshore 4/4>

Place of Sampling	3 km offshore Upper la	e of Ena ayer	3 km offshore Lower la	e of Ena lyer	3 km offsh Numanouch layer	ore of i Upper	3 km offsh Numanouch layer	ore of i Lower	3 km offsh Toyoma Upp	ore of ber layer	3 km offsh Toyoma Low	ore of /er layer	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Oct 31, 2 (Not sam)	2011 pled)	Oct 31, 2 (Not samp	011 oled)	Oct 31, 2 06:05 a	2011 am	Oct 31, 2 06:05 a	:011 im	Oct 31, 2 06:20 a	2011 am	Oct 31, 2 06:20 a	2011 am	(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.64Bq/L, Cs-134: approx. 1.0Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	North of Discharg 5-6u of (approx. 30m n discharge c	je Channel of 1F orth of 5-6u hannel)	Around South Channel (appox. 330m s Discharge C	Discharge of 1F south of 1-4u Channel)	Around North Channel (Around 3,4u Chann (approx. 10 kr	Discharge of 2F Discharge iel) n from 1F)	Around Iwasawa (appox. 7 km s Discharge C (appox. 16 kn	a Shore of 2F south of 1,2u Channel) n from 1F)	② Density limit by the announcement of Reactor Regulation (Bq/L)
Time of Sampling	Nov 02, 2 08:40 a	2011 am	Nov 02, 2 08:20 a	2011 am	Nov 02, 08:25	2011 am	Nov 02, 07:55	2011 am	(the density limit in the water outside of
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)	areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	3.9	0.07	1.4	0.02	1.4	0.02	1.2	0.02	60
Cs-137 (about 30 years)	4.2	0.05	1.6	0.02	1.3	0.01	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.68Bq/L, Cs-137: approx. 1.1Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

#### [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < offshore 1/4>

Place of Sampling	15 km offsh Minami-So CityUpper	nore of ouma r layer	15 km offsh Minami-So CityLower	nore of ouma layer	15 km offsh Ukedo-gawa layer	nore of a Upper	15 km offsh Ukedo-gawa layer	nore of a Lower	15 km offsh Fukushima Upper la	nore of Daiichi iyer	15 km offsl Fukushima Lower la	nore of Daiichi ayer	② Density limit by the announcement of Reactor Regulation
Time of Sampling	N/A		N/A		Nov 01, 2 (Not sam)	2011 oled)	Nov 01, 2 (Not sam)	2011 pled)	Nov 01, 2 09:40 a	2011 m	Nov 01, 2 09:40 a	2011 am	(Bq/L) (the density limit in the water outside of
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)	surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	-	-	-	-	-	-	-	-	ND	-	ND	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	ND	-	ND	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	-	-	-	-	-	-	-	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	ND	-	ND	-	300
Te- 129(approx.70mins)	-	-	-	-	-	-	-	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	-	-	-	-	-	-	-	-	ND	-	ND	-	200
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	ND	-	ND	-	300
Ba- 140(approx.13days)	-	-	-	-	-	-	-	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	-	-	-	-	-	-	-	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.66Bq/L, Cs-134: approx. 0.92Bq/L, Cs-137: approx. 1.1Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

#### [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < offshore 2/4>

Place of Sampling	approx. 15 km of Fukushim Upper La	offshore a Daini ayer	approx. 15 km of Fukushim Lower La	i offshore a Daini ayer	15 km offst Iwasawa Sho layer	nore of re Upper	15 km offsl Iwasawa Sho layer	nore of re Lower	15 km offst Hirono-town U	nore of pper layer	15 km offsl Hirono-town L	nore of ower layer	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 01, 2 09:10 a	2011 Im	Nov 01, 2 09:10 a	2011 Im	N/A		N/A	-	N/A		N/A		(Bq/L) (the density limit in the
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)	surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
Te- 129(approx.70mins)	ND	-	ND	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
Ba- 140(approx.13days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.60Bq/L, Cs-134: approx. 0.84Bq/L, Cs-137: approx. 0.99Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

#### [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < offshore 3/4>

Place of Sampling	3 km offshore o City Upper	of Souma layer	3 km offshore City Lower	of Souma layer	5 km offshore City Upper	of Souma layer	5 km offshore City Lower	of Souma layer	5 km offsh Kashima City layer	ore of ⁄ Upper	5 km offsh Kashima City layer	ore of y Lower	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 01, 2 07:20 a	011 m	Nov 01, 2 07:20 a	2011 m	Nov 01, 2 06:55 a	2011 Im	Nov 01, 2 06:55 a	2011 Im	Nov 01, 2 06:40 a	2011 Im	Nov 01, 2 06:40 a	2011 Im	(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)						
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.68Bq/L, Cs-134: approx. 0.96Bq/L, Cs-137: approx. 1.1Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

#### [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < offshore 4/4>

Place of Sampling	5km Offsho Numanouch Layei	ore of i Upper	5km Offsho Numanouch Layei	ore of i Lower r									② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 01, 2 07:10 a	2011 im	Nov 01, 2 07:10 a	2011 Im									(Bq/L) (the density limit in the
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)	surrounding monitored areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-									40
Cs-134 (about 2 years)	ND	-	ND	-									60
Cs-137 (about 30 years)	ND	-	ND	-									90
Mo-99 (approx. 66hrs)	ND	-	ND	-									1,000
Tc-99m (approx.6hrs)	ND	-	ND	-									40,000
Te-129m (approx.34days)	ND	-	ND	-									300
Te- 129(approx.70mins)	ND	-	ND	-									10,000
Te-132 (approx.78hrs)	ND	-	ND	-									200
I-132 (approx.2hrs)	ND	-	ND	-									3,000
Cs-136 (approx.13days)	ND	-	ND	-									300
Ba- 140(approx.13days)	ND	-	ND	-									300
La-140 (approx. 40hrs)	ND	-	ND	-									400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.70Bq/L, Cs-134: approx. 0.83Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	North of Discharg 5-6u of (approx. 30m n discharge c	ge Channel of 1F orth of 5-6u hannel)	Around South Channel (appox. 330m s Discharge C	Discharge of 1F south of 1-4u Channel)	Around North Channel (Around 3,4u Chann (approx. 10 kn	Discharge of 2F Discharge iel) n from 1F)	Around Iwasawa (appox. 7 km s Discharge C (appox. 16 kn	a Shore of 2F south of 1,2u Channel) n from 1F)	② Density limit by the announcement of Reactor Regulation (Bq/L)
Time of Sampling	Nov 03, 2 09:00 a	2011 am	Nov 03, 1 08:35	2011 am	Nov 03, 2 08:05 a	2011 am	Nov 03, 07:45	2011 am	(the density limit in the water outside of
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)	areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	2.6	0.04	ND	-	1.2	0.02	1.2	0.02	60
Cs-137 (about 30 years)	3.6	0.04	ND	-	ND	-	1.1	0.01	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.70Bq/L, Cs-134: approx. 0.89Bq/L, Cs-137: approx. 1.1Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

## [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < offshore 1/4>

Place of Sampling	15 km offsh Minami-So CityUpper	ore of ouma layer	15 km offsh Minami-So CityLower	nore of ouma layer	15 km offsl Ukedo-gawa layer	nore of a Upper	15 km offsl Ukedo-gawa layei	nore of a Lower	15 km offsl Fukushima Upper la	nore of Daiichi ayer	15 km offsl Fukushima Lower la	hore of Daiichi ayer	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 02, 2 08:40 a	2011 am	Nov 02, 2 08:40 a	2011 am	N/A		N/A		N/A		N/A		(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
Te- 129(approx.70mins)	ND	-	ND	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
Ba- 140(approx.13days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.61Bq/L, Cs-134: approx. 0.91Bq/L, Cs-137: approx. 0.96Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

#### [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < offshore 2/4>

Place of Sampling	approx. 15 km of Fukushim Upper La	offshore a Daini ayer	approx. 15 km of Fukushim Lower La	offshore a Daini ayer	15 km offsh Iwasawa Sho layer	nore of re Upper	15 km offsh Iwasawa Sho layer	nore of re Lower	15 km offst Hirono-town U	nore of pper layer	15 km offst Hirono-town Lo	nore of ower layer	② Density limit by the announcement of Reactor Regulation
Time of Sampling	N/A		N/A		Nov 02, 2 08:40 a	2011 am	Nov 02, 2 08:40 a	2011 Im	Nov 02, 2 09:15 a	2011 am	Nov 02, 2 09:15 a	2011 am	(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
l-131 (about 8 days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.63Bq/L, Cs-134: approx. 0.93Bq/L, Cs-137: approx. 0.99Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

#### [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < offshore 3/4>

Place of Sampling	3 km offsh Haramachi Wa layer	ore of ard Upper	3 km offsh Haramachi Wa layer	ore of ard Lower	3 km offshore Ward Uppe	of Odaka r layer	3 km offshore Ward Lowe	of Odaka r layer	3 km offsh Iwasawa sho layer	ore of re Upper	3 km offsh Iwasawa sho layer	ore of re Lower	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 02, 2 09:15 a	2011 m	Nov 02, 2 09:15 a	2011 m	Nov 02, 2 09:30 a	2011 Im	Nov 02, 2 09:30 a	2011 Im	Nov 02, 2 07:45 a	2011 Im	Nov 02, 2 07:45 a	2011 Im	(Bq/L) (the density limit in the water outside of
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)	surrounding monitored areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.64Bq/L, Cs-134: approx. 0.94Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

## [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < offshore 4/4>

Place of Sampling	8 km offshore Ward Uppe	of Odaka r layer	8 km offshore Ward Lowe	of Odaka er layer	8 km offsh Iwasawa sho layer	ore of re Upper	8 km offsh Iwasawa sho layei	ore of re Lower					② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 02, 2 08:20 a	2011 am	Nov 02, 2 08:20 a	2011 am	Nov 02, 2 08:10 a	2011 am	Nov 02, 2 08:10 a	2011 am					(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-					60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-					90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-					1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-					300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-					10,000
Te-132 (approx.78hrs )	ND	-	ND	-	ND	-	ND	-					200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-					300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-					300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-					400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.60Bq/L, Cs-134: approx. 0.93Bq/L, Cs-137: approx. 1.1Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	North of Discharg 5-6u of (approx. 30m n discharge c	ge Channel of 1F orth of 5-6u hannel)	Around South Channel (appox. 330m s Discharge C	Discharge of 1F south of 1-4u Channel)	Around North Channel (Around 3,4u Chann (approx. 10 kn	Discharge of 2F Discharge iel) n from 1F)	Around Iwasawa (appox. 7 km s Discharge C (appox. 16 kn	a Shore of 2F south of 1,2u Channel) n from 1F)	② Density limit by the announcement of Reactor Regulation (Bq/L)
Time of Sampling	Nov 04, 2 08:40 a	2011 am	Nov 04, 2 08:20 a	2011 am	Nov 04, 2 08:20 a	2011 am	Nov 04, 07:50	2011 am	(the density limit in the water outside of
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)	areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	2.8	0.05	4.0	0.07	ND	-	0.87	0.01	60
Cs-137 (about 30 years)	2.7	0.03	4.5	0.05	ND	-	1.2	0.01	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.72Bq/L, Cs-134: approx. 0.89Bq/L, Cs-137: approx. 1.1Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

## [Definite Report] Results of Nuclide Analysis of Seawater < Offshore 1/2>

Place of Sampling	15 km offsh Minami-So CityUpper	ore of ouma layer	15 km offsh Minami-So CityLower	ore of ouma layer	15 km offsh Ukedo-gawa layer	ore of Upper	15 km offsl Ukedo-gawa layer	nore of a Lower	15 km offsl Fukushima Upper la	nore of Daiichi iyer	15 km offsl Fukushima Lower la	nore of Daiichi ayer	② Density limit by the announcement of Reactor Regulation
Time of Sampling	N/A		N/A		Nov 03, 2 09:05 a	2011 Im	Nov 03, 2 09:05 a	2011 am	Nov 03, 2 08:15 a	2011 am	Nov 03, 2 08:15 a	2011 am	(Bq/L) (the density limit in the
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)	surrounding monitored areas in the section 6 of the appendix 2)
l-131 (about 8 days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.61Bq/L, Cs-134: approx. 0.93Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

## [Definite Report] Results of Nuclide Analysis of Seawater <Offshore 2/2>

Place of Sampling	approx. 15 km of Fukushim Upper La	n offshore la Daini ayer	approx. 15 km of Fukushim Lower La	offshore a Daini ayer	15 km offsl Iwasawa Sho Iayer	nore of re Upper	15 km offsl Iwasawa Sho layer	nore of re Lower	15 km offst Hirono-town U	nore of pper layer	15 km offsl Hirono-town Lo	nore of ower layer	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 03, 2 07:40 a	2011 am	Nov 03, 2 07:40 a	2011 Im	N/A		N/A		N/A		N/A		(Bq/L) (the density limit in the water outside of
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)	surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
Te- 129(approx.70mins)	ND	-	ND	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
Ba- 140(approx.13days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.60Bq/L, Cs-134: approx. 0.93Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	North of Discharg 5-6u of (approx. 30m n discharge c	ge Channel of 1F orth of 5-6u hannel)	Around South Channel (appox. 330m s Discharge C	Discharge of 1F south of 1-4u Channel)	Around North Channel (Around 3,4u Chann (approx. 10 kn	Discharge of 2F Discharge iel) n from 1F)	Around Iwasawa (appox. 7 km s Discharge C (appox. 16 kn	a Shore of 2F south of 1,2u Channel) n from 1F)	② Density limit by the announcement of Reactor Regulation (Bq/L)
Time of Sampling	Nov 05, 2 08:45 a	2011 am	Nov 05, 2 08:20 a	2011 am	Nov 05, 2 08:20 a	2011 am	Nov 05, 08:00	2011 am	(the density limit in the water outside of
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)	areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	4.8	0.08	1.1	0.02	1.4	0.02	1.0	0.02	60
Cs-137 (about 30 years)	5.8	0.06	2.0	0.02	ND	-	1.1	0.01	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.70Bq/L, Cs-137: approx. 1.1Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

## [Definite Report] Results of Nuclide Analysis of Seawater < Offshore 1/2>

Place of Sampling	3 km offsh Haramachi Wa layer	ore of ard Upper	3 km offsh Haramachi Wa layer	ore of ard Lower	3 km offshore Ward Uppe	of Odaka r layer	3 km offshore Ward Lowe	of Odaka r layer	3 km offsh Iwasawa sho layer	ore of re Upper	3 km offsh Iwasawa sho Iayer	ore of re Lower	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 04, 2 09:20 a	2011 im	Nov 04, 2 09:20 a	2011 m	Nov 04, 2 09:30 a	2011 im	Nov 04, 2 09:30 a	2011 am	Nov 04, 2 07:15 a	2011 am	Nov 04, 2 07:15 a	2011 am	(Bq/L) (the density limit in the water outside of
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)	surrounding monitored areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.88Bq/L, Cs-134: approx. 0.90Bq/L, Cs-137: approx. 1.1Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

## [Definite Report] Results of Nuclide Analysis of Seawater <Offshore 2/2>

Place of Sampling	8 km offshore Ward Uppe	of Odaka er layer	8 km offshore Ward Lowe	of Odaka er layer	8 km offsh Iwasawa sho layer	ore of re Upper	8 km offsh Iwasawa sho layer	ore of re Lower					② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 04, 2 09:00 a	2011 am	Nov 04, 2 09:00 a	2011 am	Nov 04, 2 07:30 a	2011 Im	Nov 04, 2 07:30 a	2011 am					(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-					60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-					90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-					1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-					300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-					10,000
Te-132 (approx.78hrs )	ND	-	ND	-	ND	-	ND	-					200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-					300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-					300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-					400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.61Bq/L, Cs-134: approx. 0.95Bq/L, Cs-137: approx. 1.1Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	North of Discharg 5-6u of (approx. 30m n discharge c	ge Channel of 1F orth of 5-6u hannel)	Around South Channel (appox. 330m s Discharge C	Discharge of 1F south of 1-4u Channel)	Around North Channel (Around 3,4u Chann (approx. 10 kn	Discharge of 2F Discharge iel) n from 1F)	Around Iwasawa (appox. 7 km s Discharge C (appox. 16 kn	a Shore of 2F south of 1,2u Channel) n from 1F)	② Density limit by the announcement of Reactor Regulation (Bq/L)
Time of Sampling	Nov 06, 2 08:40 a	2011 am	Nov 06, 2 08:20	2011 am	Nov 06, 2 08:15 a	2011 am	Nov 06, 07:50	2011 am	(the density limit in the water outside of
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)	areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	5.2	0.09	7.8	0.13	ND	-	ND	-	60
Cs-137 (about 30 years)	5.9	0.07	9.8	0.11	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.81Bq/L, Cs-134: approx. 0.95Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

## [Definite Report] Results of Nuclide Analysis of Seawater <Offshore 1/2>

Place of Sampling	15 km offsh Minami-So CityUpper	nore of ouma layer	15 km offsh Minami-So CityLower	nore of ouma layer	15 km offsl Ukedo-gawa layer	nore of a Upper	15 km offsh Ukedo-gawa layer	nore of a Lower	15 km offsl Fukushima Upper la	nore of Daiichi ayer	15 km offsl Fukushima Lower la	nore of Daiichi ayer	② Density limit by the announcement of Reactor Regulation
Time of Sampling	N/A		N/A		Nov 05, 2 09:25 a	2011 am	Nov 05, 2 09:25 a	2011 am	Nov 05, 2 08:40 a	2011 am	Nov 05, 2 08:40 a	2011 am	(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs )	-	-	-	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.70Bq/L, Cs-134: approx. 0.90Bq/L, Cs-137: approx. 0.99Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

## [Definite Report] Results of Nuclide Analysis of Seawater <Offshore 2/2>

Place of Sampling	approx. 15 km of Fukushim Upper La	a offshore a Daini ayer	approx. 15 km of Fukushim Lower La	n offshore la Daini ayer	15 km offsl Iwasawa Sho layer	nore of re Upper	15 km offsl Iwasawa Sho layer	nore of ore Lower	15 km offst Hirono-town U	nore of pper layei	15 km offsl Hirono-town L	nore of ower layer	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 05, 2 08:10 a	2011 am	Nov 05, 2 08:10 a	2011 am	N/A		N/A		N/A		N/A		(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
Te- 129(approx.70mins)	ND	-	ND	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs )	ND	-	ND	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
Ba- 140(approx.13days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.78Bq/L, Cs-134: approx. 0.88Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	North of Discharg 5-6u of (approx. 30m n discharge c	je Channel of 1F orth of 5-6u hannel)	Around South Channel (appox. 330m s Discharge C	Discharge of 1F south of 1-4u Channel)	Around North Channel (Around 3,4u Chann (approx. 10 kn	Discharge of 2F Discharge iel) n from 1F)	Around Iwasawa (appox. 7 km s Discharge C (appox. 16 kn	a Shore of 2F south of 1,2u Channel) n from 1F)	② Density limit by the announcement of Reactor Regulation (Bq/L)
Time of Sampling	Nov 07, 2 08:55 a	2011 am	Nov 07, 2 08:35	2011 am	Nov 07, 2 08:25 a	2011 am	Nov 07, 08:00	2011 am	(the density limit in the water outside of
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)	areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	2.8	0.05	1.7	0.03	ND	-	ND	-	60
Cs-137 (about 30 years)	3.2	0.04	2.0	0.02	ND	-	1.9	0.02	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.70Bq/L, Cs-134: approx. 0.98Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

## [Definite Report] Results of Nuclide Analysis of Seawater <Offshore 1/2>

Place of Sampling	3 km offsh Haramachi Wa layer	ore of ard Upper	3 km offsh Haramachi Wa layer	ore of ard Lower	3 km offshore Ward Uppe	of Odaka er layer	3 km offshore Ward Lowe	of Odaka er layer	3 km offsh Iwasawa sho layer	ore of re Upper	3 km offsh Iwasawa sho Iayer	ore of re Lower	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 06, 2 08:50 a	2011 im	Nov 06, 2 08:50 a	2011 im	Nov 06, 2 08:35 a	2011 am	Nov 06, 2 08:35 a	2011 am	Nov 06, 2 07:10 a	2011 am	Nov 06, 2 07:10 a	2011 am	(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.76Bq/L, Cs-134: approx. 0.94Bq/L, Cs-137: approx. 1.1Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

## [Definite Report] Results of Nuclide Analysis of Seawater <Offshore 2/2>

Place of Sampling	8 km offshore Ward Uppe	of Odaka er layer	8 km offshore Ward Lowe	of Odaka er layer	8 km offsh Iwasawa sho layer	ore of re Upper	8 km offsh Iwasawa sho Iayer	ore of re Lower					② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 06, 2 08:15 a	2011 am	Nov 06, 2 08:15 a	2011 am	Nov 06, 2 07:25 a	2011 am	Nov 06, 2 07:25 a	2011 am					(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-					60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-					90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-					1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-					300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-					10,000
Te-132 (approx.78hrs )	ND	-	ND	-	ND	-	ND	-					200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-					300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-					300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-					400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.68Bq/L, Cs-134: approx. 0.90Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	North of Discharg 5-6u of (approx. 30m n discharge c	je Channel of 1F orth of 5-6u hannel)	Around South Channel (appox. 330m s Discharge C	Discharge of 1F south of 1-4u Channel)	Around North Channel (Around 3,4u Chann (approx. 10 kn	Discharge of 2F Discharge iel) n from 1F)	Around Iwasawa (appox. 7 km s Discharge C (appox. 16 kn	a Shore of 2F south of 1,2u Channel) n from 1F)	② Density limit by the announcement of Reactor Regulation (Bq/L)
Time of Sampling	Nov 08, 2 08:40 a	2011 am	Nov 08, 2 08:15 a	2011 am	Nov 08, 2 08:30	2011 am	Nov 08, 08:05	2011 am	(the density limit in the water outside of
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)	areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	3.1	0.05	1.9	0.03	1.3	0.02	1.7	0.03	60
Cs-137 (about 30 years)	5.2	0.06	3.9	0.04	1.8	0.02	1.8	0.02	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.65Bq/L

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

# [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < offshore 1/4>

Place of Sampling	15 km offst Minami-So CityUpper	nore of ouma layer	15 km offsh Minami-So CityLower	nore of ouma layer	15 km offsl Ukedo-gawa layer	nore of a Upper	15 km offsl Ukedo-gawa layer	nore of a Lower	15 km offsh Fukushima Upper la	nore of Daiichi iyer	15 km offsl Fukushima Lower la	nore of Daiichi ayer	② Density limit by the announcement of Reactor Regulation
Time of Sampling	N/A		N/A		Nov 07, 2 (Not sam	2011 pled)	Nov 07, 2 (Not sam	2011 pled)	Nov 07, 2 (Not sam	2011 pled)	Nov 07, 2 (Not sam	2011 pled)	(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	-	-	-	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	-	-	-	-	90
Mo-99 (approx. 66hrs)	-	-	-	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Te- 129(approx.70mins)	-	-	-	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs )	-	-	-	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Ba- 140(approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
La-140 (approx. 40hrs)	-	-	-	-	-	-	-	-	-	-	-	-	400

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

# [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < offshore 2/4>

Place of Sampling	approx. 15 km of Fukushim Upper La	n offshore na Daini ayer	approx. 15 km of Fukushim Lower La	n offshore na Daini ayer	15 km offst Iwasawa Sho layer	nore of re Upper	15 km offsl Iwasawa Sho layer	nore of re Lower	15 km offst Hirono-town U	nore of pper layei	15 km offsl Hirono-town L	nore of ower layer	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 07, 2 (Not sam	2011 pled)	Nov 07, 2 (Not sam	2011 pled)	N/A		N/A		N/A		N/A		(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	-	-	-	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	-	-	-	-	90
Mo-99 (approx. 66hrs)	-	-	-	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Te- 129(approx.70mins)	-	-	-	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs )	-	-	-	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Ba- 140(approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
La-140 (approx. 40hrs)	-	-	-	-	-	-	-	-	-	-	-	-	400

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

## [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < offshore 3/4>

Place of Sampling	3 km offshore of Iwaki Upp	of North er layer	3 km offshore of Iwaki Low	of North er layer	3 km offshore river Upper	of Natsui r layer	3 km offshore river Lowe	of Natsui r layer	3 km offsh Onahama po layer	ore of rt Upper	3 km offsh Onahama po layer	ore of ort Lower	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 07, 2 07:55 a	2011 am	Nov 07, 2 07:55 a	2011 Im	Nov 07, 2 07:15 a	2011 Im	Nov 07, 2 07:15 a	2011 am	Nov 07, 2 06:10 a	2011 am	Nov 07, 2 06:10 a	2011 am	(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)						
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.73Bq/L, Cs-134: approx. 0.90Bq/L, Cs-137: approx. 1.1Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

## [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < offshore 4/4>

Place of Sampling	3 km offshore Upper la	e of Ena ayer	3 km offshore Lower la	e of Ena lyer	3 km offsh Numanouch layer	ore of i Upper	3 km offsh Numanouch layer	ore of i Lower	3 km offsh Toyoma Upp	ore of ber layer	3 km offsh Toyoma Low	ore of ver layer	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 07, 2 06:50 a	2011 am	Nov 07, 2 06:50 a	2011 Im	Nov 07, 2 06:50 a	2011 am	Nov 07, 2 06:50 a	2011 am	Nov 07, 2 06:35 a	2011 am	Nov 07, 2 06:35 a	2011 am	(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	0.94	0.01	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.65Bq/L, Cs-134: approx. 0.99Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	North of Discharg 5-6u of (approx. 30m n discharge c	ge Channel of 1F orth of 5-6u hannel)	Around South Channel (appox. 330m s Discharge C	Discharge of 1F south of 1-4u Channel)	Around North Channel (Around 3,4u Chann (approx. 10 kr	Discharge of 2F Discharge iel) n from 1F)	Around Iwasawa (appox. 7 km s Discharge C (appox. 16 kn	a Shore of 2F south of 1,2u Channel) n from 1F)	② Density limit by the announcement of Reactor Regulation (Bq/L)
Time of Sampling	Nov 09, 2 08:40 a	2011 am	Nov 09, 2 08:20 a	2011 am	Nov 09, 1 08:25	2011 am	Nov 09, 08:00	2011 am	(the density limit in the water outside of
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)	areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	3.1	0.05	1.3	0.02	ND	-	0.93	0.02	60
Cs-137 (about 30 years)	5.4	0.06	1.9	0.02	1.5	0.02	1.1	0.01	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.65Bq/L, Cs-134: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

# [Definite Report] Nuclide Analysis Results of Seawater < Offshore 1/3>

Place of Sampling	3 km offsh Haramachi Wa layer	ore of ard Upper	3 km offsh Haramachi Wa layer	ore of ard Lower	3 km offshore Ward Uppe	of Odaka er layer	3 km offshore Ward Lowe	of Odaka er layer	3 km offsh Iwasawa sho layer	ore of re Upper	3 km offsh Iwasawa sho Iayei	ore of re Lower	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 08, 2 (Not sam	2011 pled)	Nov 08, 2 (Not sam	2011 pled)	Nov 08, 2 (Not sam	2011 pled)	Nov 08, 2 (Not sam	2011 pled)	Nov 08, 2 (Not sam	2011 pled)	Nov 08, 2 (Not sam	2011 pled)	(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	-	-	-	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	-	-	-	-	90
Mo-99 (approx. 66hrs)	-	-	-	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Te- 129(approx.70mins)	-	-	-	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs )	-	-	-	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Ba- 140(approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
La-140 (approx. 40hrs)	-	-	-	-	-	-	-	-	-	-	-	-	400

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

# [Definite Report] Nuclide Analysis Results of Seawater <Offshore 2/3>

Place of Sampling	8 km offshore Ward Uppe	of Odaka r layer	8 km offshore Ward Lowe	of Odaka er layer	8 km offsh Iwasawa sho layer	ore of re Upper	8 km offsh Iwasawa sho Iayer	ore of re Lower					② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 08, 2 (Not sam	2011 oled)	Nov 08, 2 (Not sam	2011 pled)	Nov 08, 2 (Not sam	2011 pled)	Nov 08, 2 (Not sam	2011 pled)					(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	-	-	-	-	-	-	-	-					40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-					60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-					90
Mo-99 (approx. 66hrs)	-	-	-	-	-	-	-	-					1,000
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-					40,000
Te-129m (approx.34days)	-	-	-	-	-	-	-	-					300
Te- 129(approx.70mins)	-	-	-	-	-	-	-	-					10,000
Te-132 (approx.78hrs )	-	-	-	-	-	-	-	-					200
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-					3,000
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-					300
Ba- 140(approx.13days)	-	-	-	-	-	-	-	-					300
La-140 (approx. 40hrs)	-	-	-	-	-	-	-	-					400

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

## [Definite Report] Nuclide Analysis Results of Seawater <Offshore 3/3>

Place of Sampling	3 km offshore o City Upper	of Souma layer	3 km offshore City Lower	of Souma layer	5 km offshore City Upper	of Souma layer	5 km offshore City Lower	of Souma <sup>.</sup> layer	5 km offsh Kashima Cit layer	ore of y Upper	5 km offsh Kashima Cit layer	ore of y Lower	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 08, 2 08:10 a	2011 m	Nov 08, 2 08:10 a	2011 Im	Nov 08, 2 07:40 a	2011 am	Nov 08, 2 07:40 a	2011 am	Nov 08, 2 07:20 a	2011 am	Nov 08, 2 07:20 a	2011 am	(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)						
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.66Bq/L, Cs-134: approx. 0.94Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.
Place of Sampling	North of Discharg 5-6u of (approx. 30m n discharge c	ge Channel of 1F orth of 5-6u hannel)	Around South Channel (appox. 330m s Discharge C	Discharge of 1F south of 1-4u Channel)	Around North Channel (Around 3,4u Chann (approx. 10 kn	Discharge of 2F Discharge iel) n from 1F)	Around Iwasawa (appox. 7 km s Discharge C (appox. 16 kn	a Shore of 2F south of 1,2u Channel) n from 1F)	② Density limit by the announcement of Reactor Regulation (Bq/L)
Time of Sampling	Nov 10, 2 08:50 a	2011 am	Nov 10, 1 08:30	2011 am	Nov 10, 2 08:25 a	2011 am	Nov 10, 08:00	2011 am	(the density limit in the water outside of
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)	areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	3.1	0.05	1.6	0.03	1.6	0.03	1.0	0.02	60
Cs-137 (about 30 years)	4.7	0.05	2.2	0.02	1.8	0.02	1.8	0.02	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	400

#### [Definite Report] Nuclide Analysis Results of Seawater <Coast>

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.69Bq/L

# [Definite Report] Nuclide Analysis Results of Seawater <Offshore 1/3>

Place of Sampling	15 km offsh Minami-So CityUpper	nore of ouma layer	15 km offsh Minami-So CityLower	nore of ouma layer	15 km offsh Ukedo-gawa layer	nore of a Upper	15 km offsl Ukedo-gawa layer	nore of a Lower	15 km offsl Fukushima Upper la	nore of Daiichi iyer	15 km offsl Fukushima Lower la	nore of Daiichi ayer	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 09, 2 09:30 a	2011 am	Nov 09, 2 09:30 a	2011 Im	Nov 09, 2 09:10 a	2011 am	Nov 09, 2 09:10 a	2011 am	Nov 09, 2 04:00 p	2011 om	Nov 09, 2 04:00 p	2011 om	(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.70Bq/L, Cs-134: approx. 0.94Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

# [Definite Report] Nuclide Analysis Results of Seawater <Offshore 2/3>

Place of Sampling	approx. 15 km of Fukushim Upper La	offshore a Daini ayer	approx. 15 km of Fukushim Lower La	a offshore a Daini ayer	15 km offsh Iwasawa Sho layer	nore of re Upper	15 km offsl Iwasawa Sho layer	nore of re Lower	15 km offsl Hirono-town U	nore of pper layer	15 km offshore of rHirono-town Lower laye		② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 09, 2 08:20 a	2011 Im	Nov 09, 2 08:20 a	2011 Im	Nov 09, 2 07:45 a	2011 am	Nov 09, 2 07:45 a	2011 am	Nov 09, 2 07:15 a	2011 am	Nov 09, 2 07:15 a	2011 am	(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	1.2	0.01	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.67Bq/L, Cs-134: approx. 0.96Bq/L, Cs-137: approx. 1.1Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

## [Definite Report] Nuclide Analysis Results of Seawater <Offshore 3/3>

Place of Sampling	5km Offsh Numanouch Laye	ore of i Upper r	5km Offsh Numanouch Layei	ore of i Lower									② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 09, 2 07:40 a	2011 am	Nov 09, 2 07:40 a	2011 Im									(Bq/L) (the density limit in the
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	water outside of surrounding monitored areas in the section 6 of the appendix 2)										
l-131 (about 8 days)	ND	-	ND	-									40
Cs-134 (about 2 years)	ND	-	ND	-									60
Cs-137 (about 30 years)	ND	-	ND	-									90
Mo-99 (approx. 66hrs)	ND	-	ND	-									1,000
Tc-99m (approx.6hrs)	ND	-	ND	-									40,000
Te-129m (approx.34days)	ND	-	ND	-									300
Te- 129(approx.70mins)	ND	-	ND	-									10,000
Te-132 (approx.78hrs)	ND	-	ND	-									200
I-132 (approx.2hrs)	ND	-	ND	-									3,000
Cs-136 (approx.13days)	ND	-	ND	-									300
Ba- 140(approx.13days)	ND	-	ND	-									300
La-140 (approx. 40hrs)	ND	-	ND	-									400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.67Bq/L, Cs-134: approx. 0.88Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	North of Discharg 5-6u of (approx. 30m n discharge c	ge Channel of 1F orth of 5-6u hannel)	Around South Channel (appox. 330m s Discharge C	Discharge of 1F south of 1-4u Channel)	Around North Channel (Around 3,4u Chann (approx. 10 kn	Discharge of 2F Discharge iel) n from 1F)	Around Iwasawa (appox. 7 km s Discharge C (appox. 16 kn	a Shore of 2F south of 1,2u Channel) n from 1F)	② Density limit by the announcement of Reactor Regulation (Bq/L)
Time of Sampling	Nov 11, 2 08:45 a	2011 am	Nov 11, 2 08:20 a	2011 am	Nov 11, 2 08:20 a	2011 am	Nov 11, 07:55	2011 am	(the density limit in the water outside of
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)	areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	6.3	0.11	1.7	0.03	1.3	0.02	ND	-	60
Cs-137 (about 30 years)	6.4	0.07	1.2	0.01	2.0	0.02	1.2	0.01	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	400

#### [Definite Report] Nuclide Analysis Results of Seawater <Coast>

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.74Bq/L, Cs-134: approx. 0.95Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

# [Definite Report] Results of Nuclide Analysis of Seawater <Offshore 1/2>

Place of Sampling	3 km offsh Haramachi Wa layer	ore of ard Upper	3 km offsh Haramachi Wa layer	ore of ard Lower	3 km offshore Ward Uppe	of Odaka r layer	3 km offshore Ward Lowe	of Odaka er layer	3 km offsh Iwasawa sho layer	ore of re Upper	3 km offsh Iwasawa sho layer	ore of re Lower	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 10, 2 10:20 a	2011 am	Nov 10, 2 10:20 a	2011 im	Nov 10, 2 10:50 a	2011 am	Nov 10, 2 10:50 a	2011 am	Nov 10, 2 07:40 a	2011 am	Nov 10, 2 07:40 a	2011 am	(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.66Bq/L, Cs-134: approx. 0.89Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

## [Definite Report] Results of Nuclide Analysis of Seawater <Offshore 2/2>

Place of Sampling	8 km offshore Ward Uppe	of Odaka er layer	8 km offshore Ward Lowe	of Odaka er layer	8 km offsh Iwasawa sho layer	ore of re Upper	8 km offsh Iwasawa sho Iayer	ore of re Lower					② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 10, 2 11:10 a	2011 am	Nov 10, 2 11:10 a	2011 am	Nov 10, 2 08:00 a	2011 am	Nov 10, 2 08:00 a	2011 am					(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-					60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-					90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-					1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-					300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-					10,000
Te-132 (approx.78hrs )	ND	-	ND	-	ND	-	ND	-					200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-					300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-					300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-					400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.66Bq/L, Cs-134: approx. 0.94Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	North of Discharg 5-6u of (approx. 30m n discharge c	ge Channel of 1F orth of 5-6u hannel)	Around South Channel (appox. 330m s Discharge C	Discharge of 1F south of 1-4u Channel)	Around North Channel (Around 3,4u Chann (approx. 10 kn	Discharge of 2F Discharge iel) n from 1F)	Around Iwasawa (appox. 7 km s Discharge C (appox. 16 kn	a Shore of 2F south of 1,2u Channel) n from 1F)	② Density limit by the announcement of Reactor Regulation (Bq/L)
Time of Sampling	Nov 12, 2 08:45 a	2011 am	Nov 12, 2 08:20	2011 am	Nov 12, 2 08:05 a	2011 am	Nov 12, 07:30	2011 am	(the density limit in the water outside of
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)	areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	7.7	0.13	1.2	0.02	ND	-	ND	-	60
Cs-137 (about 30 years)	11	0.12	2.1	0.02	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	400

#### [Definite Report] Nuclide Analysis Results of Seawater <Coast>

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.93Bq/L, Cs-134: approx. 0.97Bq/L, Cs-137: approx. 0.99Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

# [Definite Report] Results of Nuclide Analysis of Seawater <Offshore 1/2>

Place of Sampling	15 km offsh Minami-So CityUpper	nore of ouma layer	15 km offsh Minami-So CityLower	nore of ouma layer	15 km offsl Ukedo-gawa layer	nore of a Upper	15 km offsh Ukedo-gawa layer	nore of a Lower	15 km offsl Fukushima Upper la	nore of Daiichi ayer	15 km offshore of Fukushima Daiichi Lower layer		② Density limit by the announcement of Reactor Regulation
Time of Sampling	N/A		N/A		Nov 11, 2 09:20 a	2011 am	Nov 11, 2 09:20 a	2011 am	Nov 11, 2 08:45 a	2011 am	Nov 11, 2 08:45 a	2011 am	(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.68Bq/L, Cs-134: approx. 0.97Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

# [Definite Report] Results of Nuclide Analysis of Seawater <Offshore 2/2>

Place of Sampling	approx. 15 km of Fukushim Upper La	n offshore Ia Daini ayer	approx. 15 km of Fukushim Lower La	n offshore Ia Daini ayer	15 km offsl Iwasawa Sho layer	nore of re Upper	15 km offsl Iwasawa Sho layer	nore of re Lower	15 km offst Hirono-town U	ore of pper laye	15 km offshore of r Hirono-town Lower laye		② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 11, 2 08:00 a	2011 am	Nov 11, 2 08:00 a	2011 am	N/A		N/A		N/A		N/A		(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
Te- 129(approx.70mins)	ND	-	ND	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
Ba- 140(approx.13days)	ND	-	ND	-	-	-	-	-	-	-	-	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	-	-	-	-	-	-	-	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.64Bq/L, Cs-134: approx. 0.94Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	North of Discharg 5-6u of (approx. 30m n discharge c	ge Channel of 1F orth of 5-6u hannel)	Around South Channel (appox. 330m s Discharge C	Discharge of 1F south of 1-4u Channel)	Around North Channel (Around 3,4u Chann (approx. 10 kn	Discharge of 2F Discharge iel) n from 1F)	Around Iwasawa (appox. 7 km s Discharge C (appox. 16 kn	a Shore of 2F south of 1,2u Channel) n from 1F)	② Density limit by the announcement of Reactor Regulation (Bq/L)
Time of Sampling	Nov 13, 2 08:40 a	2011 am	Nov 13, 2 08:20	2011 am	Nov 13, 2 08:00 a	2011 am	Nov 13, 07:40	2011 am	(the density limit in the water outside of
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)	areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	6.2	0.10	1.8	0.03	1.6	0.03	ND	-	60
Cs-137 (about 30 years)	7.5	0.08	2.9	0.03	ND	-	1.3	0.01	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	400

#### [Definite Report] Nuclide Analysis Results of Seawater <Coast>

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 1.1Bq/L, Cs-134: approx. 0.93Bq/L, Cs-137: approx. 1.1Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	North of Discharg 5-6u of (approx. 30m n discharge c	ge Channel of 1F orth of 5-6u hannel)	Around South Channel (appox. 330m s Discharge C	Discharge of 1F south of 1-4u Channel)	Around North Channel (Around 3,4u Chann (approx. 10 kn	Discharge of 2F Discharge iel) n from 1F)	Around Iwasawa (appox. 7 km s Discharge C (appox. 16 kn	a Shore of 2F south of 1,2u Channel) n from 1F)	② Density limit by the announcement of Reactor Regulation (Bq/L)
Time of Sampling	Nov 14, 2 09:10 a	2011 am	Nov 14, 1 08:45	2011 am	Nov 14, 2 08:30	2011 am	Nov 14, 08:00	2011 am	(the density limit in the water outside of
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)	areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	4.1	0.07	1.6	0.03	1.2	0.02	0.92	0.02	60
Cs-137 (about 30 years)	5.9	0.07	3.2	0.04	2.1	0.02	1.2	0.01	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	400

#### [Definite Report] Nuclide Analysis Results of Seawater <Coast>

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.72Bq/L

# [Definite Report] Results of Nuclide Analysis of Seawater < Offshore 1/2>

Place of Sampling	15 km offsh Minami-So CityUpper	nore of ouma layer	15 km offsh Minami-So CityLower	nore of ouma layer	15 km offsl Ukedo-gawa layer	nore of a Upper	15 km offsl Ukedo-gawa layer	nore of a Lower	15 km offsl Fukushima Upper la	nore of Daiichi ayer	15 km offsl Fukushima Lower la	hore of Daiichi ayer	② Density limit by the announcement of Reactor Regulation
Time of Sampling	N/A		N/A		Nov 13, 2 (Not sam	2011 pled)	Nov 13, 2 (Not sam	2011 pled)	Nov 13, 2 (Not sam	2011 pled)	Nov 13, 2 (Not sam	2011 pled)	(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	-	-	-	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	-	-	-	-	90
Mo-99 (approx. 66hrs)	-	-	-	-	-	-	-	-	-	-	-	-	1,000
Tc-99m (approx.6hrs)	-	-	-	-	-	-	-	-	-	-	-	-	40,000
Te-129m (approx.34days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Te- 129(approx.70mins)	-	-	-	-	-	-	-	-	-	-	-	-	10,000
Te-132 (approx.78hrs )	-	-	-	-	-	-	-	-	-	-	-	-	200
I-132 (approx.2hrs)	-	-	-	-	-	-	-	-	-	-	-	-	3,000
Cs-136 (approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
Ba- 140(approx.13days)	-	-	-	-	-	-	-	-	-	-	-	-	300
La-140 (approx. 40hrs)	-	-	-	-	-	-	-	-	-	-	-	-	400

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

# [Definite Report] Results of Nuclide Analysis of Seawater <Offshore 2/2>

Place of Sampling	approx. 15 km of Fukushim Upper La	n offshore na Daini ayer	approx. 15 km of Fukushim Lower La	n offshore na Daini ayer	15 km offsl Iwasawa Sho layer	nore of re Upper	15 km offsl Iwasawa Sho layer	nore of re Lower	15 km offsl Hirono-town U	nore of pper layei	15 km offsl Hirono-town L	nore of ower layer	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 13, 2 (Not sam	2011 pled)	Nov 13, 2 (Not sam	2011 pled)	N/A		N/A		N/A		N/A		(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
l-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.

Place of Sampling	North of Discharg 5-6u of (approx. 30m n discharge c	je Channel of 1F orth of 5-6u hannel)	Around South Channel (appox. 330m s Discharge C	Discharge of 1F south of 1-4u Channel)	Around North Channel (Around 3,4u Chann (approx. 10 kr	Discharge of 2F Discharge iel) n from 1F)	Around Iwasawa (appox. 7 km s Discharge C (appox. 16 kn	a Shore of 2F south of 1,2u Channel) n from 1F)	② Density limit by the announcement of Reactor Regulation (Bq/L)
Time of Sampling	Nov 15, 2 08:45 a	2011 am	Nov 15, 2 08:30 a	2011 am	Nov 15, 08:25	2011 am	Nov 15, 08:00	2011 am	(the density limit in the water outside of
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)	areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	5.7	0.10	1.1	0.02	ND	-	ND	-	60
Cs-137 (about 30 years)	6.1	0.07	1.5	0.02	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	400

#### [Definite Report] Nuclide Analysis Results of Seawater <Coast>

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.81Bq/L, Cs-134: approx. 0.89Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

## [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < offshore 1/4>

Place of Sampling	3 km offsh Haramachi Wa layer	ore of ard Upper	3 km offsh Haramachi Wa layer	ore of ard Lower	3 km offshore Ward Uppe	of Odaka er layer	3 km offshore Ward Lowe	of Odaka er layer	3 km offsh Iwasawa sho layer	ore of re Upper	3 km offsh Iwasawa sho layer	ore of re Lower	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 14, 2 10:15 a	2011 am	Nov 14, 2 10:15 a	2011 am	Nov 14, 2 09:55 a	2011 am	Nov 14, 2 09:55 a	2011 am	Nov 14, 2 08:00 a	2011 am	Nov 14, 2 08:00 a	2011 am	(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.64Bq/L, Cs-134: approx. 0.92Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

## [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < offshore 2/4>

Place of Sampling	8 km offshore Ward Uppe	of Odaka r layer	8 km offshore Ward Lowe	of Odaka er layer	8 km offsh Iwasawa sho layer	ore of re Upper	8 km offsh Iwasawa sho layer	ore of re Lower					② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 14, 2 09:35 a	2011 am	Nov 14, 2 09:35 a	2011 am	Nov 14, 2 08:25 a	2011 am	Nov 14, 2 08:25 a	2011 am					(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-					60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-					90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-					1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-					300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-					10,000
Te-132 (approx.78hrs )	ND	-	ND	-	ND	-	ND	-					200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-					300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-					300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-					400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.67Bq/L, Cs-134: approx. 0.95Bq/L, Cs-137: approx. 1.1Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

## [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < offshore 3/4>

Place of Sampling	3 km offshore of Iwaki Upp	of North er layer	3 km offshore of Iwaki Low	of North er layer	3 km offshore river Uppe	of Natsui r layer	3 km offshore river Lowe	of Natsui r layer	3 km offsh Onahama po layer	ore of rt Upper	3 km offsh Onahama po layer	ore of ort Lower	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 14, 2 07:10 a	2011 am	Nov 14, 2 07:10 a	2011 am	Nov 14, 2 06:45 a	2011 am	Nov 14, 2 06:45 a	2011 am	Nov 14, 2 06:10 a	2011 am	Nov 14, 2 06:10 a	2011 am	(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)						
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	0.99	0.02	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.66Bq/L, Cs-134: approx. 0.97Bq/L, Cs-137: approx. 1.0Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

## [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < offshore 4/4>

Place of Sampling	3 km offshore Upper la	e of Ena iyer	3 km offshore Lower la	e of Ena lyer	3 km offsh Numanouch layer	ore of i Upper	3 km offsh Numanouch layer	ore of i Lower	3 km offsh Toyoma Upp	ore of ber layer	3 km offsh Toyoma Low	ore of /er layer	② Density limit by the announcement of Reactor Regulation
Time of Sampling	Nov 14, 2 06:25 a	2011 am	Nov 14, 2 06:25 a	2011 Im	Nov 14, 2 06:30 a	2011 am	Nov 14, 2 06:30 a	2011 am	Nov 14, 2 06:20 a	2011 am	Nov 14, 2 06:20 a	2011 am	(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.84Bq/L, Cs-134: approx. 0.95Bq/L, Cs-137: approx. 1.1Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

·													
Place of Sampling	Shallow Dra	ft Quay of 1F	Inside north canal of 1F	water intake 5's Units 1-4	Screen of 1F's the silt	Unit 1 (outside fence)	Screen of 1F's L silt fe	Init 1 (inside the ence)	Screen of 1F's the silt	Unit 2 (outside fence)	Screen of 1F's L silt fe	Jnit 2 (inside the ence)	②Density limit by the announcement of Reactor
Time of Sampling	Nov 01 Jan 00	1, 2011 ), 1900	Nov 0² Jan 00	1, 2011 ), 1900	Nov 01 Jan 00	I, 2011 ), 1900	Nov 01 Jan 00	, 2011 , 1900	Nov 01 Jan 00	I, 2011 ), 1900	Nov 0 <sup>,</sup> Jan 00	1, 2011 ), 1900	Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	49	0.82	80	1.3	71	1.2	95	1.6	310	5.2	60
Cs-137 (about 30 years)	ND	-	61	0.68	110	1.2	100	1.1	110	1.2	380	4.2	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 15Bq/L

Place of Sampling	Screen of 1F's the silt	Unit 3 (outside fence)	Screen of 1F's L silt fe	Jnit 3 (inside the ence)	Screen of 1F's the silt	Unit 4 (outside fence)	Screen of 1F's L silt fe	Init 4 (inside the ence)	Inside the sout 1-4 Water Ir	h of 1F's Units htake Canal			②Density limit by the announcement of Reactor
Time of Sampling	Nov 01 Jan 00	I, 2011 ), 1900	Nov 0² Jan 00	1, 2011 ), 1900	Nov 01 Jan 00	, 2011 , 1900	Nov 01 Jan 00	, 2011 , 1900	Nov 01 Jan 00	, 2011 , 1900			Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	120	2.0	240	4.0	74	1.2	270	4.5	60	1.0			60
Cs-137 (about 30 years)	150	1.7	270	3.0	95	1.1	330	3.7	60	0.67			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 15Bq/L

Place of Sampling	Shallow Dra	ft Quay of 1F	Inside north canal of 1F	water intake 's Units 1-4	Screen of 1F's the silt	Unit 1 (outside fence)	Screen of 1F's L silt fe	Init 1 (inside the ence)	Screen of 1F's the silt	Unit 2 (outside t fence)	Screen of 1F's l silt fe	Jnit 2 (inside the ence)	②Density limit by the announcement of Reactor
Time of Sampling	Nov 02 Jan 00	2, 2011 ), 1900	Nov 02 Jan 00	2, 2011 ), 1900	Nov 02 Jan 00	2, 2011 9, 1900	Nov 02 Jan 00	2, 2011 9, 1900	Nov 02 Jan 00	2, 2011 ), 1900	Nov 0: Jan 0(	2, 2011 ), 1900	Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	71	1.2	81	1.4	130	2.2	160	2.7	420	7.0	60
Cs-137 (about 30 years)	ND	-	100	1.1	110	1.2	140	1.6	180	2.0	510	5.7	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	14	0.01	1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 18Bq/L, Cs-134: approx. 24Bq/L, Cs-137: approx. 29Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	Screen of 1F's the silt	Unit 3 (outside fence)	Screen of 1F's L silt fe	Jnit 3 (inside the ence)	Screen of 1F's the silt	Unit 4 (outside fence)	Screen of 1F's L silt fe	Init 4 (inside the ence)	Inside the sout 1-4 Water In	th of 1F's Units ntake Canal			②Density limit by the announcement of Reactor
Time of Sampling	Nov 02 Jan 00	2, 2011 ), 1900	Nov 02 Jan 00	2, 2011 ), 1900	Nov 02 Jan 00	2, 2011 0, 1900	Nov 02 Jan 00	2, 2011 9, 1900	Nov 02 Jan 00	2, 2011 ), 1900			Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	120	2.0	550	9.2	190	3.2	280	4.7	69	1.2			60
Cs-137 (about 30 years)	110	1.2	730	8.1	210	2.3	360	4.0	78	0.87			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 19Bq/L

Place of Sampling	Shallow Dra	ft Quay of 1F	Inside north canal of 1F	water intake 's Units 1-4	Screen of 1F's the silt	Unit 1 (outside fence)	Screen of 1F's L silt fe	Init 1 (inside the ence)	Screen of 1F's the silt	Unit 2 (outside t fence)	Screen of 1F's l silt fe	Jnit 2 (inside the ence)	②Density limit by the announcement of Reactor
Time of Sampling	Nov 03 Jan 00	3, 2011 ), 1900	Nov 03 Jan 00	3, 2011 ), 1900	Nov 03 Jan 00	3, 2011 9, 1900	Nov 03 Jan 00	3, 2011 9, 1900	Nov 03 Jan 00	3, 2011 ), 1900	Nov 03 Jan 00	3, 2011 ), 1900	Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	81	1.4	80	1.3	110	1.8	140	2.3	300	5.0	60
Cs-137 (about 30 years)	ND	-	87	0.97	90	1.0	140	1.6	160	1.8	360	4.0	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 16Bq/L, Cs-134: approx. 24Bq/L, Cs-137: approx. 28Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	Screen of 1F's the silt	Unit 3 (outside fence)	Screen of 1F's L silt fe	Jnit 3 (inside the ence)	Screen of 1F's the silt	Unit 4 (outside fence)	Screen of 1F's L silt fe	Init 4 (inside the ence)	Inside the sout 1-4 Water In	th of 1F's Units ntake Canal			②Density limit by the announcement of Reactor
Time of Sampling	Nov 03 Jan 00	3, 2011 ), 1900	Nov 03 Jan 00	3, 2011 ), 1900	Nov 03 Jan 00	, 2011 , 1900	Nov 03 Jan 00	s, 2011 , 1900	Nov 03 Jan 00	3, 2011 ), 1900			Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	100	1.7	840	14	180	3.0	340	5.7	100	1.7			60
Cs-137 (about 30 years)	130	1.4	1,000	11	200	2.2	370	4.1	120	1.3			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 23Bq/L

Place of Sampling	Shallow Dra	ft Quay of 1F	Inside north canal of 1F	water intake 's Units 1-4	Screen of 1F's the silt	Unit 1 (outside fence)	Screen of 1F's L silt fe	Init 1 (inside the ence)	Screen of 1F's the silt	Unit 2 (outside t fence)	Screen of 1F's l silt fe	Jnit 2 (inside the ence)	②Density limit by the announcement of Reactor
Time of Sampling	Nov 04 Jan 00	4, 2011 ), 1900	Nov 04 Jan 00	4, 2011 ), 1900	Nov 04 Jan 00	4, 2011 0, 1900	Nov 04 Jan 00	l, 2011 ), 1900	Nov 04 Jan 00	4, 2011 ), 1900	Nov 04 Jan 00	4, 2011 ), 1900	Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	54	0.90	84	1.4	120	2.0	120	2.0	370	6.2	60
Cs-137 (about 30 years)	ND	-	85	0.94	140	1.6	140	1.6	140	1.6	470	5.2	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 19Bq/L, Cs-134: approx. 21Bq/L, Cs-137: approx. 25Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	Screen of 1F's the silt	Unit 3 (outside fence)	Screen of 1F's L silt fe	Init 3 (inside the ence)	Screen of 1F's the silt	Unit 4 (outside fence)	Screen of 1F's L silt fe	Init 4 (inside the ence)	Inside the sout 1-4 Water In	th of 1F's Units ntake Canal			②Density limit by the announcement of Reactor
Time of Sampling	Nov 04 Jan 00	4, 2011 ), 1900	Nov 04 Jan 00	ł, 2011 ), 1900	Nov 04 Jan 00	l, 2011 ), 1900	Nov 04 Jan 00	ł, 2011 9, 1900	Nov 04 Jan 00	4, 2011 0, 1900			Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	88	1.5	730	12	210	3.5	330	5.5	120	2.0			60
Cs-137 (about 30 years)	120	1.3	890	9.9	290	3.2	460	5.1	160	1.8			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 24Bq/L

Place of Sampling	Shallow Dra	ft Quay of 1F	Inside north canal of 1F	water intake 's Units 1-4	Screen of 1F's the silt	Unit 1 (outside fence)	Screen of 1F's L silt fe	Init 1 (inside the ence)	Screen of 1F's the silt	Unit 2 (outside t fence)	Screen of 1F's l silt fe	Jnit 2 (inside the ence)	②Density limit by the announcement of Reactor
Time of Sampling	Nov 05 Jan 00	5, 2011 ), 1900	Nov 05 Jan 00	5, 2011 9, 1900	Nov 05 Jan 00	5, 2011 ), 1900	Nov 05 Jan 00	5, 2011 9, 1900	Nov 05 Jan 00	5, 2011 ), 1900	Nov 09 Jan 00	5, 2011 ), 1900	Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	110	1.8	110	1.8	140	2.3	140	2.3	350	5.8	60
Cs-137 (about 30 years)	39	0.43	120	1.3	130	1.4	170	1.9	180	2.0	430	4.8	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 16Bq/L, Cs-134: approx. 25Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	Screen of 1F's the silt	Unit 3 (outside fence)	Screen of 1F's L silt fe	Unit 3 (inside the ence)	Screen of 1F's the silt	Unit 4 (outside fence)	Screen of 1F's L silt fe	Init 4 (inside the ence)	Inside the sout 1-4 Water Ii	h of 1F's Units htake Canal			②Density limit by the announcement of Reactor
Time of Sampling	Nov 05 Jan 00	5, 2011 ), 1900	Nov 05 Jan 00	5, 2011 ), 1900	Nov 05 Jan 00	5, 2011 , 1900	Nov 05 Jan 00	5, 2011 , 1900	Nov 05 Jan 00	, 2011 , 1900			Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	170	2.8	670	11	160	2.7	390	6.5	73	1.2			60
Cs-137 (about 30 years)	210	2.3	790	8.8	200	2.2	490	5.4	100	1.1			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 20Bq/L

Place of Sampling	Shallow Dra	ft Quay of 1F	Inside north canal of 1F	water intake 's Units 1-4	Screen of 1F's the silt	Unit 1 (outside fence)	Screen of 1F's L silt fe	Init 1 (inside the ence)	Screen of 1F's the silt	Unit 2 (outside t fence)	Screen of 1F's l silt fe	Jnit 2 (inside the ence)	②Density limit by the announcement of Reactor
Time of Sampling	Nov 06 Jan 00	6, 2011 ), 1900	Nov 06 Jan 00	5, 2011 9, 1900	Nov 06 Jan 00	6, 2011 9, 1900	Nov 06 Jan 00	5, 2011 9, 1900	Nov 06 Jan 00	6, 2011 ), 1900	Nov 00 Jan 00	6, 2011 ), 1900	Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	24	0.40	110	1.8	120	2.0	110	1.8	120	2.0	340	5.7	60
Cs-137 (about 30 years)	32	0.36	120	1.3	110	1.2	150	1.7	160	1.8	400	4.4	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 16Bq/L

Place of Sampling	Screen of 1F's the silt	Unit 3 (outside fence)	Screen of 1F's L silt fe	Init 3 (inside the ence)	Screen of 1F's the silt	Unit 4 (outside fence)	Screen of 1F's L silt fe	Init 4 (inside the ence)	Inside the sout 1-4 Water In	h of 1F's Units htake Canal			②Density limit by the announcement of Reactor
Time of Sampling	Nov 06 Jan 00	6, 2011 ), 1900	Nov 06 Jan 00	5, 2011 9, 1900	Nov 06 Jan 00	5, 2011 , 1900	Nov 06 Jan 00	5, 2011 , 1900	Nov 06 Jan 00	5, 2011 , 1900			Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	140	2.3	630	11	220	3.7	390	6.5	240	4.0			60
Cs-137 (about 30 years)	160	1.8	810	9.0	310	3.4	470	5.2	290	3.2			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 20Bq/L

Place of Sampling	Shallow Dra	ft Quay of 1F	Inside north canal of 1F	water intake 's Units 1-4	Screen of 1F's the silt	Unit 1 (outside fence)	Screen of 1F's L silt fe	Init 1 (inside the ence)	Screen of 1F's the silt	Unit 2 (outside t fence)	Screen of 1F's l silt fe	Jnit 2 (inside the ence)	②Density limit by the announcement of Reactor
Time of Sampling	Nov 07 Jan 00	7, 2011 ), 1900	Nov 07 Jan 00	7, 2011 0, 1900	Nov 07 Jan 00	7, 2011 9, 1900	Nov 07 Jan 00	7, 2011 9, 1900	Nov 07 Jan 00	7, 2011 ), 1900	Nov 0 Jan 00	7, 2011 ), 1900	Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	27	0.45	58	0.97	100	1.7	140	2.3	160	2.7	240	4.0	60
Cs-137 (about 30 years)	41	0.46	66	0.73	140	1.6	130	1.4	220	2.4	300	3.3	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 16Bq/L

Place of Sampling	Screen of 1F's the silt	Unit 3 (outside fence)	Screen of 1F's L silt fe	Unit 3 (inside the ence)	Screen of 1F's the silt	Unit 4 (outside fence)	Screen of 1F's L silt fe	Init 4 (inside the ence)	Inside the sout 1-4 Water Ii	h of 1F's Units htake Canal			②Density limit by the announcement of Reactor
Time of Sampling	Nov 07 Jan 00	7, 2011 ), 1900	Nov 07 Jan 00	7, 2011 ), 1900	Nov 07 Jan 00	7, 2011 , 1900	Nov 07 Jan 00	7, 2011 , 1900	Nov 07 Jan 00	7, 2011 , 1900			Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	120	2.0	640	11	110	1.8	240	4.0	120	2.0			60
Cs-137 (about 30 years)	100	1.1	760	8.4	130	1.4	270	3.0	150	1.7			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 29Bq/L

Place of Sampling	Shallow Dra	ft Quay of 1F	Inside north canal of 1F	water intake 's Units 1-4	Screen of 1F's the silt	Unit 1 (outside fence)	Screen of 1F's L silt fe	Init 1 (inside the ence)	Screen of 1F's the silt	Unit 2 (outside t fence)	Screen of 1F's l silt fe	Jnit 2 (inside the ence)	②Density limit by the announcement of Reactor
Time of Sampling	Nov 08 Jan 00	3, 2011 ), 1900	Nov 08 Jan 00	3, 2011 9, 1900	Nov 08 Jan 00	3, 2011 ), 1900	Nov 08 Jan 00	3, 2011 9, 1900	Nov 08 Jan 00	3, 2011 ), 1900	Nov 08 Jan 00	8, 2011 ), 1900	Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	51	0.85	100	1.7	110	1.8	140	2.3	130	2.2	360	6.0	60
Cs-137 (about 30 years)	38	0.42	150	1.7	170	1.9	170	1.9	150	1.7	400	4.4	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 17Bq/L

Place of Sampling	Screen of 1F's the silt	Unit 3 (outside fence)	Screen of 1F's L silt fe	Unit 3 (inside the ence)	Screen of 1F's the silt	Unit 4 (outside fence)	Screen of 1F's L silt fe	Init 4 (inside the ence)	Inside the sout 1-4 Water In	th of 1F's Units ntake Canal			②Density limit by the announcement of Reactor
Time of Sampling	Nov 08 Jan 00	3, 2011 ), 1900	Nov 08 Jan 00	3, 2011 ), 1900	Nov 08 Jan 00	3, 2011 9, 1900	Nov 08 Jan 00	3, 2011 9, 1900	Nov 08 Jan 00	3, 2011 ), 1900			(the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	230	3.8	620	10	230	3.8	340	5.7	250	4.2			60
Cs-137 (about 30 years)	260	2.9	740	8.2	270	3.0	370	4.1	260	2.9			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 23Bq/L

Place of Sampling	Shallow Drat	ft Quay of 1F	Inside north canal of 1F	water intake 's Units 1-4	Screen of 1F's the silt	Unit 1 (outside fence)	Screen of 1F's L silt fe	Init 1 (inside the ence)	Screen of 1F's the silt	Unit 2 (outside t fence)	Screen of 1F's l silt fe	Jnit 2 (inside the ence)	②Density limit by the announcement of Reactor
Time of Sampling	Nov 09 Jan 00	9, 2011 ), 1900	Nov 09 Jan 00	9, 2011 9, 1900	Nov 09 Jan 00	9, 2011 9, 1900	Nov 09 Jan 00	9, 2011 9, 1900	Nov 09 Jan 00	9, 2011 ), 1900	Nov 09 Jan 00	9, 2011 ), 1900	Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	23	0.38	89	1.5	110	1.8	120	2.0	300	5.0	270	4.5	60
Cs-137 (about 30 years)	37	0.41	100	1.1	140	1.6	160	1.8	400	4.4	360	4.0	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	8.8	0.01	1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 16Bq/L
Place of Sampling	Screen of 1F's the silt	Unit 3 (outside fence)	Screen of 1F's L silt fe	Init 3 (inside the ence)	Screen of 1F's the silt	Unit 4 (outside fence)	Screen of 1F's L silt fe	Init 4 (inside the ence)	Inside the sout 1-4 Water In	h of 1F's Units htake Canal			②Density limit by the announcement of Reactor
Time of Sampling	Nov 09 Jan 00	9, 2011 ), 1900	Nov 09 Jan 00	9, 2011 9, 1900	Nov 09 Jan 00	9, 2011 9, 1900	Nov 09 Jan 00	9, 2011 9, 1900	Nov 09 Jan 00	9, 2011 9, 1900			Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	210	3.5	620	10	98	1.6	300	5.0	180	3.0			60
Cs-137 (about 30 years)	250	2.8	710	7.9	140	1.6	350	3.9	260	2.9			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

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

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 20Bq/L

Place of Sampling	Shallow Dra	ft Quay of 1F	Inside north canal of 1F	water intake 's Units 1-4	Screen of 1F's the silt	Unit 1 (outside fence)	Screen of 1F's L silt fe	Init 1 (inside the ence)	Screen of 1F's the silt	Unit 2 (outside t fence)	Screen of 1F's l silt fe	Jnit 2 (inside the ence)	②Density limit by the announcement of Reactor
Time of Sampling	Nov 10 Jan 00	), 2011 ), 1900	Nov 10 Jan 00	), 2011 ), 1900	Nov 10 Jan 00	), 2011 ), 1900	Nov 10 Jan 00	), 2011 ), 1900	Nov 10 Jan 00	0, 2011 ), 1900	Nov 10 Jan 00	0, 2011 ), 1900	Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	67	1.1	120	2.0	130	2.2	360	6.0	330	5.5	60
Cs-137 (about 30 years)	29	0.32	110	1.2	160	1.8	160	1.8	460	5.1	410	4.6	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	11	0.01	1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 27Bq/L, Cs-134: approx. 22Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	Screen of 1F's the silt	Unit 3 (outside fence)	Screen of 1F's L silt fe	Unit 3 (inside the ence)	Screen of 1F's the silt	Unit 4 (outside fence)	Screen of 1F's L silt fe	Init 4 (inside the ence)	Inside the sout 1-4 Water Ii	h of 1F's Units htake Canal			②Density limit by the announcement of Reactor
Time of Sampling	Nov 10 Jan 00	), 2011 ), 1900	Nov 10 Jan 00	), 2011 ), 1900	Nov 10 Jan 00	, 2011 , 1900	Nov 10 Jan 00	), 2011 , 1900	Nov 10 Jan 00	), 2011 , 1900			Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	400	6.7	670	11	320	5.3	330	5.5	240	4.0			60
Cs-137 (about 30 years)	460	5.1	790	8.8	330	3.7	400	4.4	310	3.4			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

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

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 19Bq/L

Place of Sampling	Shallow Dra	ft Quay of 1F	Inside north canal of 1F	water intake ''s Units 1-4	Screen of 1F's the silt	Unit 1 (outside fence)	Screen of 1F's L silt fe	Init 1 (inside the ence)	Screen of 1F's the silt	Unit 2 (outside fence)	Screen of 1F's L silt fe	Jnit 2 (inside the ence)	②Density limit by the announcement of Reactor
Time of Sampling	Nov 11 Jan 00	I, 2011 ), 1900	Nov 11 Jan 00	1, 2011 ), 1900	Nov 11 Jan 00	I, 2011 ), 1900	Nov 11 Jan 00	, 2011 , 1900	Nov 11 Jan 00	I, 2011 ), 1900	Nov 11 Jan 00	1, 2011 ), 1900	Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	87	1.5	110	1.8	130	2.2	420	7.0	340	5.7	60
Cs-137 (about 30 years)	46	0.51	130	1.4	150	1.7	180	2.0	430	4.8	400	4.4	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 17Bq/L, Cs-134: approx. 25Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	Screen of 1F's the silt	Unit 3 (outside fence)	Screen of 1F's L silt fe	Jnit 3 (inside the ence)	Screen of 1F's the silt	Unit 4 (outside fence)	Screen of 1F's L silt fe	Init 4 (inside the ence)	Inside the sout 1-4 Water Ii	h of 1F's Units htake Canal			②Density limit by the announcement of Reactor
Time of Sampling	Nov 11 Jan 00	I, 2011 ), 1900	Nov 1 <sup>-</sup> Jan 00	1, 2011 ), 1900	Nov 11 Jan 00	, 2011 , 1900	Nov 11 Jan 00	, 2011 , 1900	Nov 11 Jan 00	, 2011 , 1900			Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	390	6.5	590	9.8	250	4.2	290	4.8	310	5.2			60
Cs-137 (about 30 years)	420	4.7	700	7.8	290	3.2	400	4.4	390	4.3			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

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

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 20Bq/L

·													
Place of Sampling	Shallow Dra	ft Quay of 1F	Inside north canal of 1F	water intake 's Units 1-4	Screen of 1F's the silt	Unit 1 (outside fence)	Screen of 1F's L silt fe	Init 1 (inside the ence)	Screen of 1F's the silt	Unit 2 (outside fence)	Screen of 1F's L silt fe	Jnit 2 (inside the ence)	②Density limit by the announcement of Reactor
Time of Sampling	Nov 12 Jan 00	2, 2011 ), 1900	Nov 12 Jan 00	2, 2011 ), 1900	Nov 12 Jan 00	2, 2011 ), 1900	Nov 12 Jan 00	2, 2011 , 1900	Nov 12 Jan 00	2, 2011 ), 1900	Nov 12 Jan 00	2, 2011 ), 1900	Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	110	1.8	150	2.5	150	2.5	160	2.7	240	4.0	60
Cs-137 (about 30 years)	ND	-	140	1.6	160	1.8	140	1.6	190	2.1	290	3.2	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 16Bq/L, Cs-134: approx. 25Bq/L, Cs-137: approx. 28Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	Screen of 1F's the silt	Unit 3 (outside fence)	Screen of 1F's L silt fe	Init 3 (inside the ence)	Screen of 1F's the silt	Unit 4 (outside fence)	Screen of 1F's L silt fe	Init 4 (inside the ence)	Inside the sout 1-4 Water In	h of 1F's Units htake Canal			②Density limit by the announcement of Reactor
Time of Sampling	Nov 12 Jan 00	2, 2011 ), 1900	Nov 12 Jan 00	2, 2011 0, 1900	Nov 12 Jan 00	2, 2011 9, 1900	Nov 12 Jan 00	2, 2011 9, 1900	Nov 12 Jan 00	2, 2011 9, 1900			Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	320	5.3	640	11	130	2.2	370	6.2	250	4.2			60
Cs-137 (about 30 years)	370	4.1	820	9.1	170	1.9	410	4.6	330	3.7			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

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

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 20Bq/L

Place of Sampling	Shallow Drat	ft Quay of 1F	Inside north canal of 1F	water intake 's Units 1-4	Screen of 1F's the silt	Unit 1 (outside fence)	Screen of 1F's L silt fe	Init 1 (inside the ence)	Screen of 1F's the silt	Unit 2 (outside t fence)	Screen of 1F's L silt fe	Jnit 2 (inside the ence)	②Density limit by the announcement of Reactor
Time of Sampling	Nov 13 Jan 00	3, 2011 ), 1900	Nov 13 Jan 00	3, 2011 ), 1900	Nov 13 Jan 00	3, 2011 9, 1900	Nov 13 Jan 00	3, 2011 9, 1900	Nov 13 Jan 00	3, 2011 ), 1900	Nov 13 Jan 00	3, 2011 ), 1900	Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	71	1.2	96	1.6	110	1.8	92	1.5	340	5.7	60
Cs-137 (about 30 years)	54	0.60	95	1.1	120	1.3	130	1.4	110	1.2	370	4.1	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 17Bq/L, Cs-134: approx. 25Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	Screen of 1F's the silt	Unit 3 (outside fence)	Screen of 1F's L silt fe	Unit 3 (inside the ence)	Screen of 1F's the silt	Unit 4 (outside fence)	Screen of 1F's L silt fe	Init 4 (inside the ence)	Inside the sout 1-4 Water Ii	h of 1F's Units htake Canal			②Density limit by the announcement of Reactor
Time of Sampling	Nov 13 Jan 00	3, 2011 ), 1900	Nov 13 Jan 00	3, 2011 9, 1900	Nov 13 Jan 00	3, 2011 , 1900	Nov 13 Jan 00	s, 2011 , 1900	Nov 13 Jan 00	s, 2011 , 1900			Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	130	2.2	650	11	110	1.8	320	5.3	60	1.0			60
Cs-137 (about 30 years)	140	1.6	800	8.9	150	1.7	380	4.2	90	1.0			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

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

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 19Bq/L

·													
Place of Sampling	Shallow Dra	ft Quay of 1F	Inside north canal of 1F	water intake 's Units 1-4	Screen of 1F's the silt	Unit 1 (outside fence)	Screen of 1F's L silt fe	Init 1 (inside the ence)	Screen of 1F's the silt	Unit 2 (outside fence)	Screen of 1F's L silt fe	Jnit 2 (inside the ence)	②Density limit by the announcement of Reactor
Time of Sampling	Nov 14 Jan 00	4, 2011 ), 1900	Nov 14 Jan 00	4, 2011 ), 1900	Nov 14 Jan 00	4, 2011 0, 1900	Nov 14 Jan 00	l, 2011 ), 1900	Nov 14 Jan 00	4, 2011 ), 1900	Nov 14 Jan 00	4, 2011 ), 1900	Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	50	0.83	68	1.1	88	1.5	83	1.4	240	4.0	60
Cs-137 (about 30 years)	ND	-	75	0.83	84	0.93	110	1.2	100	1.1	290	3.2	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 17Bq/L, Cs-134: approx. 24Bq/L, Cs-137: approx. 28Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	Screen of 1F's the silt	Unit 3 (outside fence)	Screen of 1F's L silt fe	Unit 3 (inside the ence)	Screen of 1F's the silt	Unit 4 (outside fence)	Screen of 1F's L silt fe	Init 4 (inside the ence)	Inside the sout 1-4 Water Ii	h of 1F's Units htake Canal			②Density limit by the announcement of Reactor
Time of Sampling	Nov 14 Jan 00	4, 2011 ), 1900	Nov 14 Jan 00	I, 2011 0, 1900	Nov 14 Jan 00	, 2011 , 1900	Nov 14 Jan 00	, 2011 , 1900	Nov 14 Jan 00	, 2011 , 1900			Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	74	1.2	360	6.0	210	3.5	280	4.7	ND	-			60
Cs-137 (about 30 years)	84	0.93	460	5.1	280	3.1	370	4.1	48	0.53			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

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

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 17Bq/L, Cs-134: approx. 21Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	Shallow Dra	ft Quay of 1F	Inside north canal of 1F	water intake 's Units 1-4	Screen of 1F's the silt	Unit 1 (outside fence)	Screen of 1F's L silt fe	Init 1 (inside the ence)	Screen of 1F's the silt	Unit 2 (outside t fence)	Screen of 1F's l silt fe	Jnit 2 (inside the ence)	②Density limit by the announcement of Reactor
Time of Sampling	Nov 15 Jan 00	5, 2011 ), 1900	Nov 15 Jan 00	5, 2011 9, 1900	Nov 15 Jan 00	5, 2011 ), 1900	Nov 15 Jan 00	5, 2011 9, 1900	Nov 15 Jan 00	5, 2011 ), 1900	Nov 19 Jan 00	5, 2011 ), 1900	Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	43	0.72	68	1.1	87	1.5	150	2.5	210	3.5	60
Cs-137 (about 30 years)	29	0.32	88	0.98	100	1.1	110	1.2	190	2.1	230	2.6	90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 15Bq/L, Cs-134: approx. 24Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	Screen of 1F's the silt	Unit 3 (outside fence)	Screen of 1F's L silt fe	Unit 3 (inside the ence)	Screen of 1F's the silt	Unit 4 (outside fence)	Screen of 1F's L silt fe	Init 4 (inside the ence)	Inside the sout 1-4 Water Ir	h of 1F's Units htake Canal			②Density limit by the announcement of Reactor
Time of Sampling	Nov 15 Jan 00	5, 2011 ), 1900	Nov 15 Jan 00	5, 2011 9, 1900	Nov 15 Jan 00	, 2011 , 1900	Nov 15 Jan 00	5, 2011 , 1900	Nov 15 Jan 00	, 2011 , 1900			Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	35	0.58	450	7.5	60	1.0	230	3.8	38	0.63			60
Cs-137 (about 30 years)	62	0.69	510	5.7	95	1.1	290	3.2	53	0.59			90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-	ND	-			1,000
Co-60 (approx.5yrs )	ND	-	ND	-	ND	-	ND	-	ND	-			200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-	ND	-			40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-	ND	-			10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-	ND	-			300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-	ND	-			400

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

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 19Bq/L

Place of Sampling		Sea water at water intake canal, Unit 6 of Fukushima Daiichi (2)Der the an of											②Density limit by the announcement of Reactor
Time of Sampling	Nov 15 Jan 00	5, 2011 ), 1900	Nov 15 Jan 00	5, 2011 ), 1900	Nov 15 Jan 00	5, 2011 ), 1900	Nov 15 Jan 00	5, 2011 9, 1900					Regulation (Bq/L) (the density limit in the water outside of surrounding
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)	monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	5.7	0.10	10	0.17	5.7	0.10	10	0.17					60
Cs-137 (about 30 years)	9.0	0.10	7.2	0.08	6.2	0.07	10	0.11					90
Mn-54 (approx.310 days)	ND	-	ND	-	ND	-	ND	-					1,000
Co-60 (approx.5yrs )	1.0	0.01	ND	-	ND	-	ND	-					200
Tc-99m (approx.6hr s)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (approx.34d ays)	ND	-	ND	-	ND	-	ND	-					300
Te- 129(approx. 70mins)	ND	-	ND	-	ND	-	ND	-					10,000
Cs-136 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-					300
Ba-140 (approx.13d ays)	ND	-	ND	-	ND	-	ND	-					300
La-140 (approx.40h rs)	ND	-	ND	-	ND	-	ND	-					400

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

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 2Bq/L

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

\* 0.0E - 0 means 0.0 x 10-0

\* "ND" means the sampled data is below measurable limit. The detection limits of major three nuclide that are not detected are as follows:

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

approx. 3E-2Bq/cm3

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

\* 0.0E - 0 means 0.0 x 10-0

\* "ND" means the sampled data is below measurable limit. The detection limits of major three nuclide that are not detected are as follows:

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

approx. 3E-2Bq/cm3

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

\* 0.0E - 0 means 0.0 x 10-0

\* "ND" means the sampled data is below measurable limit. The detection limits of major three nuclide that are not detected are as follows:

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

approx. 3E-2Bq/cm3

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

\* 0.0E - 0 means 0.0 x 10-0

\* "ND" means the sampled data is below measurable limit. The detection limits of major three nuclide that are not detected are as follows:

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

approx. 3E-2Bq/cm3

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

\* 0.0E - 0 means 0.0 x 10-0

\* "ND" means the sampled data is below measurable limit. The detection limits of major three nuclide that are not detected are as follows:

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

approx. 3E-2Bq/cm3

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

\* 0.0E - 0 means 0.0 x 10-0

\* "ND" means the sampled data is below measurable limit. The detection limits of major three nuclide that are not detected are as follows:

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

approx. 3E-2Bq/cm3

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Builidng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Builidng
Time of Sampling	01-Nov-11 9∶56	01-Nov-11 10:01	01-Nov-11 10:05	01-Nov-11 10:20	NA	01-Nov-11 10:16	01-Nov-11 10:25	01-Nov-11 10:09
Detected Nuclides (Half-life)				Density of sa	mple (Bq/cm3)			
l-131 (about 8 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-134 (about 2 years)	ND	ND	ND	ND	-	2.8E-01	ND	ND
Cs-137 (about 30 years)	ND	ND	ND	ND	_	3. 7E–01	ND	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	-	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	_	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	_	ND	ND	ND

\* 0.0E-0 means 0.0 x 10-0

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

\* Data of other nuclides are under evaluation.

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Builidng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Builidng		
Time of Sampling	02-Nov-11 9∶52	02-Nov-11 9:57	02-Nov-11 10∶05	02-Nov-11 10:16	NA	02-Nov-11 10:13	02-Nov-11 10:21	02-Nov-11 10:08		
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)									
l-131 (about 8 days)	ND	ND	ND	ND	-	ND	ND	ND		
Cs-134 (about 2 years)	ND	ND	ND	2.8E-02	-	1.8E-01	2. 7E-02	ND		
Cs-137 (about 30 years)	ND	ND	ND	ND	-	2. 4E-01	5. 2E-02	ND		
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND		
Te-129m (about 34 days)	ND	ND	ND	ND	-	ND	ND	ND		
Cs-136 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND		
Ba-140 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND		

\* 0.0E-0 means 0.0 x 10-0

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

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

\* Data of other nuclides are under evaluation.

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Builidng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Builidng		
Time of Sampling	03-Nov-11 9∶45	03-Nov-11 9:50	03-Nov-11 9∶53	03-Nov-11 10∶05	NA	03-Nov-11 10:02	03-Nov-11 10∶09	03-Nov-11 9:57		
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)									
l-131 (about 8 days)	ND	ND	ND	ND	-	ND	ND	ND		
Cs-134 (about 2 years)	ND	ND	ND	ND	-	2. 5E-01	3. 6E-02	ND		
Cs-137 (about 30 years)	ND	ND	ND	ND	-	2. 9E-01	3. 6E-02	ND		
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND		
Te-129m (about 34 days)	ND	ND	ND	ND	-	ND	ND	ND		
Cs-136 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND		
Ba-140 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND		

\* 0.0E-0 means 0.0 x 10-0

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

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

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Builidng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Builidng			
Time of Sampling	04-Nov-11 9:37	04-Nov-11 9:40	04-Nov-11 9:43	04-Nov-11 9:54	NA	04-Nov-11 9:51	04-Nov-11 9:58	04-Nov-11 9:47			
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)										
I-131 (about 8 days)	ND	ND	ND	ND	-	ND	ND	ND			
Cs-134 (about 2 years)	ND	ND	ND	3. 2E-02	-	7.4E-02	2. 6E-02	ND			
Cs-137 (about 30 years)	ND	ND	ND	5. 0E-02	-	1.0E-01	2.6E-02	ND			
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND			
Te-129m (about 34 days)	ND	ND	ND	ND	-	ND	ND	ND			
Cs-136 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND			
Ba-140 (about 13 days)	ND	ND	ND	ND	_	ND	ND	ND			

\* 0.0E-0 means 0.0 x 10-0

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

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

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

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Builidng	F1 F1 outh west of Site West of Incineration Banker Builidng Workshop Building		F1 South east of Site Banker Builidng			
Time of Sampling	05-Nov-11 9∶25	05-Nov-11 9∶29	05-Nov-11 9∶33	05-Nov-11 9:45	05-Nov-11 NA 05-Nov-11 9:45 9:43		05-Nov-11 9:51	05-Nov-11 9∶37			
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)										
l-131 (about 8 days)	ND	ND	ND	ND	ND – ND		ND	ND			
Cs-134 (about 2 years)	ND	ND	ND	ND	-	1.4E-01	ND	ND			
Cs-137 (about 30 years)	ND	ND	ND	ND	- 1.5E-01		3. 6E-02	ND			
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND			
Te-129m (about 34 days)	ND	ND	ND	ND	- ND		ND	ND			
Cs-136 (about 13 days)	ND	ND	ND	ND	- ND		ND	ND			
Ba-140 (about 13 days)	ND	ND	ND	ND	- ND		ND	ND			

\* 0.0E-0 means 0.0 x 10-0

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

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

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Builidng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Builidng			
Time of Sampling	06-Nov-11 9∶40	06–Nov−11 9∶45	06-Nov-11 9∶49	06-Nov-11 10∶03	06-Nov-11 NA 06-Nov-11 10:03 9:59		06-Nov-11 10:08	06-Nov-11 9∶54			
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)										
l-131 (about 8 days)	ND	ND	ND	ND – ND		ND	ND				
Cs-134 (about 2 years)	ND	ND	ND	ND	- 3. 2E-01		2. 7E-02	ND			
Cs-137 (about 30 years)	ND	ND	ND	ND	-	4. 3E-01	3. 2E-02	ND			
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND			
Te-129m (about 34 days)	ND	ND	ND	ND	- ND		ND	ND			
Cs-136 (about 13 days)	ND	ND	ND	ND	- ND		ND	ND			
Ba-140 (about 13 days)	ND	ND	ND	ND	- ND		ND	ND			

\* 0.0E-0 means 0.0 x 10-0

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

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

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 F1 South west of Site West of Incinerat Banker Builidng Workshop Buildir		F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Builidng			
Time of Sampling	08-Nov-11 9∶43	08-Nov-11 9:47	08-Nov-11 9:51	08-Nov-11 NA 08-Nov-11 10:03 10:00		08-Nov-11 10:08	08-Nov-11 9∶55				
Detected Nuclides (Half-life)	3 Density of sample (Bq/cm3)										
l-131 (about 8 days)	ND	ND	ND	ND	-	ND	ND	ND			
Cs-134 (about 2 years)	ND	ND	ND	ND – 2. 0E–01		2. 0E-01	3. 1E-02	ND			
Cs-137 (about 30 years)	ND	ND	ND	ND	-	2. 6E-01	3. 6E-02	ND			
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND			
Te-129m (about 34 days)	ND	ND	ND	ND – ND		ND	ND	ND			
Cs-136 (about 13 days)	ND	ND	ND	ND	- ND		ND	ND			
Ba-140 (about 13 days)	ND	ND ND -		ND	ND	ND					

\* 0.0E-0 means 0.0 x 10-0

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

\* Data of other nuclides are under evaluation. I-131: approx. 2E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3)

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F south of Ilaneous Solid ste Volume tion Treatment Building		F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Builidng		
Time of Sampling	07-Nov-11 9:47	07-Nov-11 9:52	07-Nov-11 9∶56	07-Nov-11 07-Nov-11 07-Nov-11 07-Nov-11 9:56 10:12 10:04 10:09		07-Nov-11 10:17	07-Nov-11 10:01			
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)									
I-131 (about 8 days)	ND	ND	ND	ND	ND	ND	ND	ND		
Cs-134 (about 2 years)	ND	ND	ND	ND	ND	1. 5E-01	2. 3E-02	ND		
Cs-137 (about 30 years)	ND	ND	ND	3. 1E-02	ND	1.9E-01	2. 9E-02	ND		
Te-129 (about 70 minutes)	ND	ND	ND	ND	ND	ND	ND	ND		
Te-129m (about 34 days)	ND	ND	ND	ND ND		ND	ND	ND		
Cs-136 (about 13 days)	ND	ND	ND	ND	ND	ND	ND	ND		
Ba-140 (about 13 days)	ND	ND ND ND ND		ND	ND	ND	ND	ND		

\* 0.0E-0 means 0.0 x 10-0

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

\* Data of other nuclides are under evaluation.

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	n of ous Solid Volume Treatment ding		F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Builidng			
Time of Sampling	09-Nov-11 9:48	09-Nov-11 9:52	09-Nov-11 10∶02	1 09-Nov-11 NA 09-Nov-11 10:15 10:12		09-Nov-11 10:20	09-Nov-11 10:07				
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)										
I-131 (about 8 days)	ND	ND	ND	ND ND - ND		ND	ND				
Cs-134 (about 2 years)	ND	ND	ND	2. 7E-02	-02 - 1.8E-01		3. 0E-02	ND			
Cs-137 (about 30 years)	ND	ND	ND	4. 0E-02	-	2.8E-01	3. 0E-02	ND			
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND			
Te-129m (about 34 days)	ND	ND	ND	ND	- ND		ND	ND			
Cs-136 (about 13 days)	ND	ND	ND	ND	ND		ND	ND			
Ba-140 (about 13 days)	ND	ND	ND	ND – ND		ND	ND	ND			

\* 0.0E-0 means 0.0 x 10-0

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

\* Data of other nuclides are under evaluation.

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Builidng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Builidng			
Time of Sampling	10-Nov-11 9∶44	10-Nov-11 9:48	10-Nov-11 9:51	10-Nov-11 10:02	NA	NA 10-Nov-11 10-No 9:59 10:		10-Nov-11 9∶55			
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)										
l-131 (about 8 days)	ND	ND	ND	ND	-	ND	ND	ND			
Cs-134 (about 2 years)	ND	ND	ND	ND	-	1.6E-01	2.6E-02	ND			
Cs-137 (about 30 years)	ND	ND	ND	ND	-	2. 0E-01	ND	ND			
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND			
Te-129m (about 34 days)	ND	ND	ND	ND	-	ND	ND	ND			
Cs-136 (about 13 days)	ND	ND	ND	ND	_	- ND		ND			
Ba-140 (about 13 days)	ND	ND	ND	ND	_	- ND ND		ND			

\* 0.0E-0 means 0.0 x 10-0

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

\* Data of other nuclides are under evaluation.

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Builidng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Builidng			
Time of Sampling	11-Nov-11 9:38	11-Nov-11 9:43	11-Nov-11 9:47	11-Nov-11 NA 11-Nov-11 10:00 9:57		11-Nov-11 10∶07	11-Nov-11 9:52				
Detected Nuclides (Half-life)	3 Density of sample (Bq/cm3)										
l-131 (about 8 days)	ND	ND	ND	ND – ND		ND	ND	ND			
Cs-134 (about 2 years)	ND	ND	ND	ND	– 1.9E–0		3. 4E-02	ND			
Cs-137 (about 30 years)	ND	ND	ND	3. 5E-02	-	2. 1E-01	2. 9E-02	ND			
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND			
Te-129m (about 34 days)	ND	ND	ND	ND	-	ND	ND	ND			
Cs-136 (about 13 days)	ND	ND	ND	ND	_		ND	ND			
Ba-140 (about 13 days)	ND	ND	ND	ND	- ND		ND	ND			

\* 0.0E-0 means 0.0 x 10-0

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

\* Data of other nuclides are under evaluation.

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F south of cellaneous Solid Waste Volume uction Treatment Building		F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Builidng			
Time of Sampling	12-Nov-11 9:27	12-Nov-11 9∶31	12-Nov-11 9∶36	11 12-Nov-11 NA 12-Nov-11 9:48 9:45		12-Nov-11 9:52	12-Nov-11 9:40				
Detected Nuclides (Half-life)	3 Density of sample (Bq/cm3)										
l-131 (about 8 days)	ND	ND	ND	ND	ND – ND		ND	ND			
Cs-134 (about 2 years)	ND	ND	ND	ND	- 1.0E-01		4. 2E-02	ND			
Cs-137 (about 30 years)	ND	ND	ND	2. 9E-02	-	1. 4E-01	4. 1E-02	ND			
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND			
Te-129m (about 34 days)	ND	ND	ND	ND	- ND		ND	ND			
Cs-136 (about 13 days)	ND	ND	ND	ND	ND		ND	ND			
Ba-140 (about 13 days)	ND	ND	ND	ND	-	ND	ND	ND			

\* 0.0E-0 means 0.0 x 10-0

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

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

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South west of Site Banker Builidng	F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Builidng			
Time of Sampling	13-Nov-11 9∶31	13-Nov-11 9:36	13-Nov-11 9:39	13-Nov-11 NA 13-Nov-11 9:51 9:48		13-Nov-11 9:56	13-Nov-11 9:43				
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)										
l-131 (about 8 days)	ND	ND	ND	ND	-	ND	ND	ND			
Cs-134 (about 2 years)	ND	ND	ND	ND	-	1.3E-01	2. 3E-02	ND			
Cs-137 (about 30 years)	ND	ND	ND	ND	-	1.5E-01	4. 6E-02	ND			
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND			
Te-129m (about 34 days)	ND	ND	ND	ND	-	- ND		ND			
Cs-136 (about 13 days)	ND	ND	ND	ND	- ND		ND	ND			
Ba-140 (about 13 days)	ND	ND	ND	ND	- ND		ND	ND			

\* 0.0E-0 means 0.0 x 10-0

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

\* Data of other nuclides are under evaluation.

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building		F1 West of Incineration Workshop Building	F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Builidng			
Time of Sampling	14-Nov-11 9∶43	14-Nov-11 9∶48	14-Nov-11 9:52	14-Nov-11     14-Nov-11     14-Nov-11     14-Nov-11       9:52     10:07     10:00     10:04		14-Nov-11 10∶11	14-Nov-11 9∶56				
Detected Nuclides (Half-life)	s Density of sample (Bq/cm3)										
l-131 (about 8 days)	ND	ND	ND	ND	ND	ND	ND	ND			
Cs-134 (about 2 years)	ND	ND	ND	ND	ND	1. 7E-01	3. 6E-02	ND			
Cs-137 (about 30 years)	ND	ND	ND	ND	ND	2. 1E-01	4. 7E-02	ND			
Te-129 (about 70 minutes)	ND	ND	ND	ND	ND	ND	ND	ND			
Te-129m (about 34 days)	ND	ND	ND	ND	ND	ND	ND	ND			
Cs-136 (about 13 days)	ND	ND	ND	ND	ND ND		ND	ND			
Ba-140 (about 13 days)	ND	ND	ND ND ND		ND	ND	ND	ND			

\* 0.0E-0 means 0.0 x 10-0

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

\* Data of other nuclides are under evaluation.

Place of Sampling	F1 South east of turbine building Unit 4	F1 North east of Process Main building	F1 South east of Process Main building	F south of Miscellaneous Solid Waste Volume Reduction Treatment Building		F North of Miscellaneous Solid Waste Volume Reduction Treatment Building	F1 South east of Site Banker Builidng				
Time of Sampling	15-Nov-11 9:42	15-Nov-11 9:46	15-Nov-11 9:50	-11 15-Nov-11 NA 15-Nov-11 10:02 9:58		15-Nov-11 10:06	15-Nov-11 9∶54				
Detected Nuclides (Half-life)	Density of sample (Bq/cm3)										
I-131 (about 8 days)	ND	ND	ND	ND ND - ND		ND	ND				
Cs-134 (about 2 years)	2. 5E-02	ND	ND	2. 9E-02	2. 9E-02 - 2. 2E-01		2. 7E-02	ND			
Cs-137 (about 30 years)	4. 0E-02	ND	ND	4. 6E-02	-	2. 5E-01	3. 1E-02	ND			
Te-129 (about 70 minutes)	ND	ND	ND	ND	-	ND	ND	ND			
Te-129m (about 34 days)	ND	ND	ND	ND	VD - ND		ND	ND			
Cs-136 (about 13 days)	ND	ND	ND	ND	D – ND		ND	ND			
Ba-140 (about 13 days)	ND	ND	ND	ND	ND – ND		ND	ND			

\* 0.0E-0 means 0.0 x 10-0

\* "ND" means the sampled data is below measurable limit.
I-131: approx. 2E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3)

\* Data of other nuclides are under evaluation.

# [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < Offshore of Ibaraki Prefecture 1/2>

Place of Sampling	3 km offsh Takadokoban Upper La	ore of na shore ayer	3 km offsh Takadokoban Lower La	ore of na shore ayer	3 km offsh Kujihama sho Laye	ore of re Upper r	3 km offsh Kujihama sho Laye	ore of ore Lower r	3 km offshore shore Uppe	of Oarai r Layer	3 km offshore shore Lowe	of Oarai r Layer	② Density limit by the announcement of Reactor Regulation
Time of Sampling	1-Nov- 7:51	11	1-Nov- 7:51	11	2-Nov- 8:18	11	2-Nov- 8:19	11	2-Nov- 7:53	11	2-Nov- 7:50	11	(Bq/L) (the density limit in the
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)	surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

\* "ND" means the sampled data is below measurable limit of radioactive material in seawater. The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 1.0Bq/L, Cs-134: approx. 1.4Bq/L, Cs-137: approx. 1.3Bq/L
Place of Sampling	3 km offshore shore Uppe	e of Hirai r Layer	3 km offshore shore Lowe	e of Hirai r Layer	3 km offshore shore Uppe	of Hasaki r Layer	3 km offshore shore Lowe	of Hasaki er Layer					② Density limit by the announcement of Reactor Regulation
Time of Sampling	1-Nov- 13:34	11 I	1-Nov- 13:32	11 2	31-Oct- 14:37	11 7	31-Oct- 14:34	-11 4					(Bq/L) (the density limit in the
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (1/2)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	surrounding monitored areas in the section 6 of the appendix 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

#### [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < Offshore of Ibaraki Prefecture 2/2 >

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

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

\* "ND" means the sampled data is below measurable limit of radioactive material in seawater. The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 1.2Bq/L, Cs-134: approx. 1.4Bq/L, Cs-137: approx. 1.3Bq/L

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

## [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < Offshore of Ibaraki Prefecture 1/2>

Place of Sampling	3 km offsh Takadokoban Upper La	ore of na shore ayer	3 km offsh Takadokoban Lower La	ore of na shore ayer	3 km offsh Kujihama sho Laye	ore of re Upper r	3 km offsh Kujihama sho Laye	ore of ore Lower r	3 km offshore shore Uppe	of Oarai r Layer	3 km offshore shore Lowe	of Oarai r Layer	② Density limit by the announcement of Reactor Regulation
Time of Sampling	8-Nov- 7:28	11	8-Nov- 7:26	11	9-Nov- 8:35	11	9-Nov- 8:34	11	9-Nov- 8:08	11	9-Nov- 8:06	11	(Bq/L) (the density limit in the
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)	surrounding monitored areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

\* "ND" means the sampled data is below measurable limit of radioactive material in seawater. The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 1.0Bq/L, Cs-134: approx. 1.4Bq/L, Cs-137: approx. 1.3Bq/L

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

Place of Sampling	3 km offshore shore Uppe	e of Hirai r Layer	3 km offshore shore Lowe	e of Hirai r Layer	3 km offshore shore Uppe	of Hasaki r Layer	3 km offshore shore Lowe	of Hasaki er Layer					② Density limit by the announcement of Reactor Regulation
Time of Sampling	8-Nov-′ 13:51	11	8-Nov- 13:48	11 3	7-Nov- 15:52	11 2	7-Nov- 15:48	11 3					(Bq/L) (the density limit in the
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (1/2)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	surrounding monitored areas in the section 6 of the appendix 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

#### [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater < Offshore of Ibaraki Prefecture 2/2 >

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

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

\* "ND" means the sampled data is below measurable limit of radioactive material in seawater. The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 1.2Bq/L, Cs-134: approx. 1.3Bq/L, Cs-137: approx. 1.3Bq/L

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

Place of Sampling	Ishinomaki ba Layei	ayUpper r	Ishinomaki ba Layei	ayMiddle r	lshinomaki ba Laye	ayLower r	Offshore of Ea Kinkasan Upp	ast side of ber Layer	Offshore of Ea Kinkasan Mid	ist side of dle Layer	Offshore of Ea Kinkasan Low	ast side of ver Layer	② Density limit by the announcement of Reactor Regulation
Time of Sampling	10-Nov- 10:18	-11 3	10-Nov- 10:23	-11 3	10-Nov 10:20	-11 )	10-Nov 8:08	-11	10-Nov 8:20	-11	10-Nov 8:13	-11	(Bq/L) (the density limit in the
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	surrounding monitored areas in the section 6 of the appendix 2)										
I-131 (about 8 days)	ND	-	40										
Cs-134 (about 2 years)	ND	-	60										
Cs-137 (about 30 years)	ND	-	90										
Mo-99 (approx. 66hrs)	ND	-	1,000										
Tc-99m (approx.6hrs)	ND	-	40,000										
Te-129m (approx.34days)	ND	-	300										
Te- 129(approx.70mins)	ND	-	10,000										
Te-132 (approx.78hrs)	ND	-	200										
I-132 (approx.2hrs)	ND	-	3,000										
Cs-136 (approx.13days)	ND	-	300										
Ba- 140(approx.13days)	ND	-	300										
La-140 (approx. 40hrs)	ND	-	400										

## [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater<Miyagi prefecture offshore 1/3>

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 1.0Bq/L, Cs-134: approx. 1.2Bq/L, Cs-137: approx. 1.2Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

#### [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater<Miyagi prefecture offshore 2/3>

Place of Sampling	Offshore of So of Kinkasan Layer	outh side Upper	Offshore of So of Kinkasan Layer	outh side Middle	Offshore of So of Kinkasan Laye	outh side Lower r	Offshore Shichigaham Laye	e of a Upper r	Offshore Shichigaham Laye	e of a Middle r	Offshor Shichigaham Laye	e of la Lower r	② Density limit by the announcement of Reactor Regulation
Time of Sampling	10-Nov- 8:55	·11	10-Nov- 9:06	·11	10-Nov 8:57	-11	10-Nov 9:22	-11	10-Nov 9:25	·11	10-Nov 9:18	-11	(Bq/L) (the density limit in the
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)	surrounding monitored areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx. 66hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx.34days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx.2hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba- 140(approx.13days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx. 40hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.89Bq/L, Cs-134: approx. 1.1Bq/L, Cs-137: approx. 1.1Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	Central area o bay Upper	of Sendai Layer	Central area o bay MIddle	of Sendai Layer	Central area o bay Lower	of Sendai Layer	Offshore Abukumagaw Laye	e of /a Upper r	Offshore Abukumagaw Laye	e of va Middle r	Offshore Abukumagaw Laye	e of /a Lower r	② Density limit by the announcement of Reactor Regulation
Time of Sampling	10-Nov 7:25	·11	10-Nov 7:16	-11	10-Nov-11 7:06		10-Nov-11 8:18		10-Nov 8:23	-11	10-Nov-11 8:15		(Bq/L) (the density limit in the
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)	surrounding monitored areas in the section 6 of the appendix 2)
l-131 (about 8 days)	ND	-	40										
Cs-134 (about 2 years)	ND	-	60										
Cs-137 (about 30 years)	ND	-	90										
Mo-99 (approx. 66hrs)	ND	-	1,000										
Tc-99m (approx.6hrs)	ND	-	40,000										
Te-129m (approx.34days)	ND	-	300										
Te- 129(approx.70mins)	ND	-	10,000										
Te-132 (approx.78hrs)	ND	-	200										
I-132 (approx.2hrs)	ND	-	3,000										
Cs-136 (approx.13days)	ND	-	300										
Ba- 140(approx.13days)	ND	-	300										
La-140 (approx. 40hrs)	ND	-	400										

## [Definite Report] Nuclide Analysis Results of Radioactive Materials in Seawater<Miyagi prefecture offshore 3/3>

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

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

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 0.99Bq/L, Cs-134: approx. 1.1Bq/L, Cs-137: approx. 1.2Bq/L Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

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

#### [ Definite Report ] Nuclide analysis results of ocean soil

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

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

#### [Definite Report] Nuclide analysis results of ocean soil

\* "ND" means the sampled data is below measurable limit. The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 4Bq/kg• moist soil。
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

[Definite Report]	Nuclide analysis re	esults of ocean soil
-------------------	---------------------	----------------------

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

\* "ND" means the sampled data is below measurable limit. The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 2Bq/kg• moist soil。
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

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

\* "ND" means the sampled data is below measurable limit. The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 4Bq/kg• moist soil。
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

#### [Definite Report] Nuclide analysis results of ocean soil

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)	Around South Discharge Channel of 1F ( 1-4u Discharge Channel)	Around North Discharge Channel of 2F ( Around 3,4u Discharge Channel) ( approx. 10 km from 1F )	Around Iwasawa Shore of 2F ( appox. 7 km south of 1,2u Discharge Channel) ( appox. 16 km from 1F)				
Time of Sampling	2011/11/14 9:15	2011/11/14 8:55	2011/11/14 (Not sampled)	2011/11/14 8:00				
Detected Nuclides (Half-life)		Density of Sample (Bq/kg · moist soil)						
I-131 (about 8 days)	ND	ND	-	ND				
Cs-134 (about 2 years)	1,800	790	-	120				
Cs-137 (about 30 years)	2,200	980	-	160				
Mn-54 (approx.310days)	ND	5.8	-	ND				
Co-60 (approx.5yrs)	ND	ND	-	ND				
Tc-99m (approx.6hrs)	ND	ND	-	ND				
Ag-110m (approx.250days)	ND	ND	-	ND				
Sb-125 (approx.3yrs)	ND	ND	-	ND				
Te-129 (approx.70mins)	ND	ND	-	ND				
Te-129m (approx.34days)	ND	ND	-	ND				
Cs-136 (approx.13days)	ND	ND	-	ND				
Ba-140 (approx.13days)	ND	ND	-	ND				
La-140 (approx.40hrs)	ND	ND	-	ND				

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 14Bq/kg·moist soil。 Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	Upper part of re Un	actor building of iit 1	Upper part of re Un	eactor building of it 4			②Density limit in the air to workers engaged in tasks	
Time of Sampling	2011 13:15	/5/22 ~13:35	2011 14:17	/5/23 ~14:37			associated with	
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)	(Bq/cm3) *	
I-131 (about 8 days)	7.6E-05	0.08	1.4E-05	0.01			1E-03	
Cs-134 (about 2 years)	3.6E-04	0.18	1.5E-04	0.08			2E-03	
Cs-137 (about 30 years)	4.2E-04	0.14	1.5E-04	0.05			3E-03	
Nb-95 (approx.35days)	ND	-	ND	-			2E-02	
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01	
Ag-110m (approx.250days)	ND	-	ND	-			3E-03	
Te- 129(approx.70mins)	ND	-	ND	-			4E-01	
Te-129m (approx.34days)	ND	-	ND	-			4E-03	
I-132(approx.2hrs)	ND	-	ND	-			7E-02	
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03	
I-133(approx.21hrs)	ND	-	ND	-			5E-03	
Cs-136 (approx.13days)	ND	-	ND	-			1E-02	
Ba-140 (approx.13days)	ND	-	ND	-			1E-02	
La-140 (approx.40hrs)	ND	-	ND	-			1E-02	

\* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide'
\* O.OE – O means O.O x 10-O

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

 $^{*}$ ND indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: particulate I-131 approx 2E-5Bq/cm<sup>3</sup>

Place of Sampling	Upper part of re Un	eactor building of it 3					②Density limit in the air to workers
Time of Sampling	2011 15:33~	/6/13 ~15:53					associated with
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)	(Bq/cm3) *
I-131 (about 8 days)	3.0E-04	0.30	$\nearrow$				1E-03
Cs-134 (about 2 years)	5.6E-04	0.28					2E-03
Cs-137 (about 30 years)	5.4E-04	0.18					3E-03
Nb-95 (approx.35days)	ND	-					2E-02
Tc-99m (approx.6hrs)	ND	-					7E-01
Ag-110m (approx.250days)	ND	-					3E-03
Te- 129(approx.70mins)	ND	-					4E-01
Te-129m (approx.34days)	2.0E-04	0.05					4E-03
I-132(approx.2hrs)	ND	-					7E-02
Te-132 (approx.78hrs)	ND	-					4E-03
I-133(approx.21hrs)	ND	-					5E-03
Cs-136 (approx.13days)	ND	-					1E-02
Ba-140 (approx.13days)	ND	-					1E-02
La-140 (approx.40hrs)	ND	-					1E-02

\* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide' \* O.OE-O means O.O x 10-O

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

Place of Sampling	Upper part of re Unit 4(befr antiscatterin	eactor building of ore spraying ng agents)	Upper part of re Unit 4(aft antiscatteri	eactor building of er spraying ng agents)			②Density limit in the air to workers engaged in tasks associated with radiation	
Time of Sampling	2011 12:23-	/6/18 ~12:43	2011 14:38	/6/18 ~14:58				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	(Bq/cm3) *	
I-131 (about 8 days)	ND	-	ND	-			1E-03	
Cs-134 (about 2 years)	8.4E-05	0.04	1.2E-04	0.06			2E-03	
Cs-137 (about 30 years)	1.0E-04	0.03	1.1E-04	0.04			3E-03	
Nb-95 (approx.35days)	ND	-	ND	-			2E-02	
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01	
Ag-110m (approx.250days)	ND	-	ND	-			3E-03	
Te- 129(approx.70mins)	ND	-	ND	-			4E-01	
Te-129m (approx.34days)	ND	-	ND	-			4E-03	
I-132(approx.2hrs)	ND	-	ND	-			7E-02	
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03	
I-133(approx.21hrs)	ND	-	ND	-			5E-03	
Cs-136 (approx.13days)	ND	-	ND	-			1E-02	
Ba-140 (approx.13days)	ND	-	ND	-			1E-02	
La-140 (approx.40hrs)	ND	-	ND	-			1E-02	

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration.

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

particulate I-131 approx 2E-5Bq/cm<sup>3</sup>, Cs-134 approx 4E-5Bq/cm<sup>3</sup>, Cs-137 approx 5E-5Bq/cm<sup>3</sup>

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

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration.

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

particulate I-131 approx 2E-5Bq/cm<sup>3</sup>

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

\* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density. \* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration. The detection limit of major 3 nuclide are as follows: volatile Cs-134 approx 6E-6Bq/cm<sup>3</sup>. Cs-137 approx 6E-6Bq/cm3 particulate I-131 approx 1E-6Bq/cm<sup>3,</sup>

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

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration.

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

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

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

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration.

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

Cs-137 approx 2E-4Bq/cm3

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

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

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration.

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

Cs-137 approx 6E-6Bq/cm3

particulate I-131 approx 5E-6Bq/cm<sup>3</sup>

			,				
Place of Sampling	Upper part of re Unit 1④(sou part of r	eactor building of uthside in upper eactor)					②Density limit in the air to workers
Time of Sampling	2011 12:05	/8/24 ∼12:35					engaged in tasks associated with
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)	radiation (Bq/cm3) *
l-131 (about 8 days)	ND	-					1E-03
Cs-134 (about 2 years)	5.0E-05	0.03					2E-03
Cs-137 (about 30 years)	5.2E-05	0.02					3E-03
Nb-95 (approx.35days)	ND	-					2E-02
Tc-99m (approx.6hrs)	ND	-					7E-01
Ag-110m (approx.250days)	ND	-					3E-03
Te- 129(approx.70mins)	2.6E-04	0.00					4E-01
Te-129m (approx.34days)	5.0E-05	0.01					4E-03
I-132(approx.2hrs)	ND	-					7E-02
Te-132 (approx.78hrs )	ND	-					4E-03
I-133(approx.21hrs)	ND	-					5E-03
Cs-136 (approx.13days)	ND	-					1E-02
Ba-140 (approx.13days)	ND	-					1E-02
La-140 (approx.40hrs)	ND	-					1E-02

\* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density. \* O.OE-O means O.O x 10-O

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

Place of Sampling	Upper part of reactor buildin of Unit 1 ① (northwest side in upper part of reactor)		Upper part of r Unit 1 ② (northe part of r	Upper part of reactor buildin of Unit 1 ② (northeast side in upper part of reactor)		eactor buildin of uthwest side in of reactor)	②Density limit in the air to workers
Time of Sampling	2011 9:40~	/8/28 ~10:10	2011 10:15	2011/8/28 10:15~10:45		2011/8/28 12:05~12:35	
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (1)/2)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (1)/2)	radiation (Bq/cm3) *
l-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	7.0E-06	0.00	5.7E-06	0.00	7.4E-06	0.00	2E-03
Cs-137 (about 30 years)	7.4E-06	0.00	5.3E-06	0.00	1.1E-05	0.00	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs )	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	1E-02

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration. The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 2E-6Bq/cm3, Cs-134 approx 5E-6Bc particulate I-131 approx 1E-6Bq/cm<sup>3</sup>

Place of Sampling	Upper part of reactor buildin of Unit 1 ④ (southeast side in upper part of reactor)		Upper part of re Unit 1 ① (Wes machine	Upper part of reactor building of Unit 1 ① (West lower side of machine hatch)		actor building of st upper side of a hatch)	②Density limit in the air to workers	
Time of Sampling	2011 12:45	/8/28 ~13:15	2011 8:10	√8/28 ~8:40	2011/8/28 8:45~9:15		engaged in tasks associated with	
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)	radiation (Bq/cm3) *	
l-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03	
Cs-134 (about 2 years)	5.6E-06	0.00	3.8E-05	0.02	2.6E-04	0.13	2E-03	
Cs-137 (about 30 years)	5.3E-06	0.00	4.6E-05	0.02	3.3E-04	0.11	3E-03	
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02	
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01	
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03	
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	4E-01	
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03	
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02	
Te-132 (approx.78hrs )	ND	-	ND	-	ND	-	4E-03	
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03	
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02	
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02	
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	1E-02	

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration. The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 2E-6Bq/cm3, Cs-134 approx 5E-6Bc particulate I-131 approx 3E-6Bq/cm<sup>3</sup>

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

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration. The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx8E-6Bq/cm3 particulate I-131 approx 1E-5Bq/cm<sup>3</sup>

			1					
Place of Sampling	Upper part of re Unit 1① (wests of rea	eactor building of side in upper part ictor)	Upper part of re Unit 1② (easts of rea	eactor building of side in upper part actor)	Upper part of reactor building of Unit 1③ (northside in upper part of reactor)		②Density limit in the air to workers	
Time of Sampling	2011 9:45~	/9/11 ~10:15	2011 10:50	I/9/11 ∼11:20	2011/9/11 12:05~12:35:		engaged in tasks associated with	
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)	radiation (Bq/cm3) *	
l-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03	
Cs-134 (about 2 years)	2.8E-05	0.01	8.1E-05	0.04	8.9E-05	0.04	2E-03	
Cs-137 (about 30 years)	4.1E-05	0.01	1.0E-04	0.03	1.1E-04	0.04	3E-03	
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02	
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01	
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03	
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	4E-01	
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03	
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02	
Te-132 (approx.78hrs )	ND	-	ND	-	ND	-	4E-03	
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03	
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02	
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02	
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	1E-02	

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration. The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx3E-6Bq/cm3

particulate I-131 approx 2E-6Bq/cm<sup>3</sup>

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

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration. The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx2E-6Bq/cm3 particulate I-131 approx 3E-6Bq/cm<sup>3</sup>

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

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration.

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

Cs-137 approx 5E-6Bq/cm3

particulate I-131 approx 3E-6Bq/cm<sup>3</sup>

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

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration. The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 8E-6Bq/cm3, Cs-134 approx 2E-5Bq/cm3,

Cs-137 approx 2E-5Bq/cm3

particulate I-131 approx 4E-6Bq/cm<sup>3</sup>

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

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration.

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

Cs-137 approx 2E-5Bq/cm3

particulate I-131 approx 4E-6Bq/cm<sup>3</sup>

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

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration.

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

Cs-137 approx 2E-5Bq/cm3

particulate I-131 approx 4E-6Bq/cm<sup>3</sup>

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

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration.

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

Place of Sampling	Upper part of re Unit 3 ① (west s of reactor (	actor building of side in upper part downward))	of Upper part of reactor building of art Unit 3 ② (west side in upper part of reactor (sideward))		Upper part of re Unit 3 ③ (nor part of reacto	②Density limit in the air to workers	
Time of Sampling	2011 14:13 <i>•</i>	/10/6 ~14:43	Data unavai machine	lable due to trouble	2011/10/6 15:17~15:47		engaged in tasks associated with
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)	radiation (Bq/cm3) *
l-131 (about 8 days)	ND	-	-	-	ND	-	1E-03
Cs-134 (about 2 years)	9.2E-04	0.46	-	-	1.0E-04	0.05	2E-03
Cs-137 (about 30 years)	1.1E-03	0.37	-	-	1.1E-04	0.04	3E-03
Nb-95 (approx.35days)	ND	-	-	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	-	-	ND	-	7E-01
Ag-110m (approx.250days)	1.5E-05	0.01	-	-	7.8E-06	0.00	3E-03
Te- 129(approx.70mins)	ND	-	-	-	ND	-	4E-01
Te-129m (approx.34days)	2.5E-04	0.06	-	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	-	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	-	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	-	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	-	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	-	-	ND	-	1E-02
La-140 (approx.40hrs)	ND	-	-	-	ND	-	1E-02

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration.

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

Place of Sampling	Upper part of re Unit 3 ④ (norf part of reacto	actor building of th side in upper or (sideward))					
Time of Sampling	2011 15:17	/10/6 ∼15:47					engaged in tasks associated with
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)	radiation (Bq/cm3) *
l-131 (about 8 days)	ND	-					1E-03
Cs-134 (about 2 years)	7.2E-05	0.04					2E-03
Cs-137 (about 30 years)	7.8E-05	0.03					3E-03
Nb-95 (approx.35days)	ND	-					2E-02
Tc-99m (approx.6hrs)	ND	-					7E-01
Ag-110m (approx.250days)	ND	-					3E-03
Te- 129(approx.70mins)	ND	-					4E-01
Te-129m (approx.34days)	ND	-					4E-03
I-132(approx.2hrs)	ND	-					7E-02
Te-132 (approx.78hrs)	ND	-					4E-03
I-133(approx.21hrs)	ND	-					5E-03
Cs-136 (approx.13days)	ND	-					1E-02
Ba-140 (approx.13days)	ND	-					1E-02
La-140 (approx.40hrs)	ND	-					1E-02

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration.

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

particulate I-131 approx 6E-6Bq/cm<sup>3</sup>

Place of Sampling	Upper part of re Unit 1 ① (aroun opening 4	actor building of d machine hatch 4th floor)	Upper part of re Unit 1 ② (large of reactor	actor building of equipment hatch building)			②Density limit in the air to workers
Time of Sampling	2011 11:44	/10/7 ~13:44	2011 12:03 <i>-</i>	1/10/7 ~14:03			engaged in tasks associated with
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)	(Bq/cm3) *
l-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	9.7E-04	0.49	1.3E-04	0.07			2E-03
Cs-137 (about 30 years)	1.1E-03	0.37	1.8E-04	0.06			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	6.3E-06	0.00			3E-03
Te- 129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	ND	-	ND	-			1E-02

\* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide' \* O.OE – O means O.O x 10-O

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

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

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

particulate I-131 approx 6E-6Bq/cm<sup>3</sup>

Place of Sampling	Upper part of re Unit 3 ① (west of reactor (	eactor building of side in upper part downward))	Upper part of re Unit 3 ② (west of reactor	eactor building of side in upper part (sideward))	Upper part of re Unit 3 ③ (nor part of reacto	②Density limit in the air to workers engaged in tasks associated with	
Time of Sampling	2011/ 13:45	/10/11 ~14:15	2011 13:45	/10/11 ~14:15	2011/10/11 14:47~15:17		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (1)/2)	①density of sample (Bq/cm3)	Scaling Factor (1)/2)	①density of sample (Bq/cm3)	Scaling Factor (1)/2)	(Bq/cm3) *
l-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	1.3E-03	0.65	6.1E-03	3.1	1.6E-04	0.08	2E-03
Cs-137 (about 30 years)	1.5E-03	0.50	7.3E-03	2.4	2.0E-04	0.07	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	4.8E-05	0.02	1.2E-04	0.04	ND	-	3E-03
Sn-113 (approx 120 days)	ND	-	3.8E-05	0.00	ND	-	1E-02
Te- 129(approx.70mins)	3.0E-04	0.00	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	1.9E-03	0.48	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs )	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	1E-02

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration. The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 1E-5Bq/cm3

particulate I-131 approx 2E-5Bq/cm<sup>3</sup>

Place of Sampling	Upper part of reactor building of Unit 3 ④ (north side in upper part of reactor (sideward))						②Density limit in the air to workers engaged in tasks associated with
Time of Sampling	2011/10/11 14:47~15:17						
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (1)/2)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	radiation (Bq/cm3) *
l-131 (about 8 days)	ND	-					1E-03
Cs-134 (about 2 years)	4.1E-04	0.21					2E-03
Cs-137 (about 30 years)	4.7E-04	0.16					3E-03
Nb-95 (approx.35days)	ND	-					2E-02
Tc-99m (approx.6hrs)	ND	-					7E-01
Ag-110m (approx.250days)	6.3E-05	0.02					3E-03
Sn-113 (approx.120days)	ND	-					1E-02
Te- 129(approx.70mins)	ND	-					4E-01
Te-129m (approx.34days)	9.4E-04	0.24					4E-03
I-132(approx.2hrs)	ND	-					7E-02
Te-132 (approx.78hrs)	ND	-					4E-03
I-133(approx.21hrs)	ND	-					5E-03
Cs-136 (approx.13days)	ND	-					1E-02
Ba-140 (approx.13days)	ND	-					1E-02
La-140 (approx.40hrs)	ND	-					1E-02

\* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide' \* O.OE-O means O.O x 10-O

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 9E-6Bq/cm3

particulate I-131 approx 9E-6Bq/cm<sup>3</sup>

Place of Sampling	Upper part of reactor building of Unit 1 ① (around machine hatch opening 4th floor)		Upper part of reactor building of Unit 1 ② (large equipment hatch of reactor building)				②Density limit in the air to workers engaged in tasks associated with
Time of Sampling	2011/10/12 14:17~15:17		2011/10/12 14:17~15:17				
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	radiation (Bq/cm3) *
l-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	1.2E-04	0.06	1.2E-05	0.01			2E-03
Cs-137 (about 30 years)	1.4E-04	0.05	3.3E-05	0.01			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te- 129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	ND	-	ND	-			1E-02

\* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide' \* O.OE – O means O.O x 10-O

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 7E-6Bq/cm3, Cs-134 approx 2E-4Bc particulate I-131 approx 4E-6Bq/cm<sup>3</sup>
### [Definite Report] Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi

		•					
Place of Sampling	Upper part of re Unit 1 ① (aroun opening 3	eactor building of Id machine hatch 3rd floor)	Upper part of re Unit 1 ② (arour opening :	eactor building of nd machine hatch 3rd floor)			②Density limit in the air to workers
Time of Sampling	2011 8:41	/10/12 ~9:11	2011 9:38~	/10/12 ~10:08			engaged in tasks associated with
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)	radiation (Bq/cm3) *
l-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	9.9E-05	0.05	3.4E-04	0.17			2E-03
Cs-137 (about 30 years)	1.1E-04	0.04	4.3E-04	0.14			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Te- 129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs )	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	ND	-	ND	-			1E-02

\* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide'
 \* O.OE – O means O.O x 10-O

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration. The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 1E-5Bq/cm3

particulate I-131 approx 6E-6Bq/cm<sup>3</sup>

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

Place of Sampling	Upper part of re Unit (western centra pan	eactor building of 2 ① I part of blow-out nel)	Upper part of re Unit (northern centra pan	eactor building of 2 ② I part of blow-out nel)	Upper part of reactor building of Unit 2 ③ (lower part of blow-out pannel)		②Density limit in the air to workers
Time of Sampling	2011, 10:00-	/10/13 ~12:00	2011 10:00	/10/13 ~12:00	2011/10/13 10:00~12:00		associated with
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)	(Bq/cm3) *
l-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	1.2E-04	0.06	6.9E-05	0.03	3.4E-05	0.02	2E-03
Cs-137 (about 30 years)	1.7E-04	0.06	9.3E-05	0.03	2.6E-05	0.01	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	4.7E-06	0.00	ND	-	ND	-	3E-03
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	1E-02

\* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide' \* O.OE – O means O.O x 10-O

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 4E-6Bq/cm3, Cs-137 approx 8E-6Bc particulate I-131 approx 2E-6Bq/cm<sup>3</sup>

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

				<u> </u>			
Place of Sampling	Upper part of re Unit 1 ① (aroun opening	eactor building of Id machine hatch 4th floor)	Upper part of re Unit 1 ② (large of reactor	eactor building of equipment hatch building)			②Density limit in the air to workers
Time of Sampling	2011 11:31	/10/25 ~12:31	2011. 11:31	/10/25 ~12:31			engaged in tasks associated with
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)	radiation (Bq/cm3) *
l-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	1.6E-04	0.08	3.7E-05	0.02			2E-03
Cs-137 (about 30 years)	2.0E-04	0.07	4.6E-05	0.02			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Sb-125 (approx 3 years)	2.0E-05	0.00	ND	-			6E-03
Te- 129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs )	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	ND	-	ND	-			1E-02

\* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's \* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration. The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 7E-6Bq/cm3,

particulate I-131 approx 5E-6Bq/cm<sup>3</sup>

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

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration.

The detection limit of major 3 nuclide are as follows: Particle I-131 approx 8E-7Bq/cm3, Cs-134 approx 7E-7Bq/cm3, Cs-137 approx 8E-7Bq/cm3 Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

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

Place of Sampling	Upper part of re Unit 1 ⑤ (nor cov	Upper part of reactor building of Unit 1 (5) (northwest corner of cover) Upper part of reactor building of Unit 1 (6) (northeast corner of cover) Upper part of reactor building of Unit 1 (6) (northeast corner of cover)		Upper part of reactor building of Unit 1 ⑦ (southwest corner of cover)		②Density limit in the air to workers	
Time of Sampling	2011 5:38	/10/25 ~6:38	2011 4:36	/10/25 ~5:36	2011/10/25 6:39~7:39		engaged in tasks associated with
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)	radiation (Bq/cm3) *
l-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	5.5E-05	0.03	5.5E-05	0.03	6.5E-05	0.03	2E-03
Cs-137 (about 30 years)	7.3E-05	0.02	7.5E-05	0.03	8.5E-05	0.03	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Sb-125 (approx 3 years)	3.6E-06	0.00	3.1E-06	0.00	3.3E-06	0.00	6E-03
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs )	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	1E-02

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration.

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

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

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration.

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

#### [Definite Report] Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi

Place of Sampling	Upper part of re Unit (western centra pan	Upper part of reactor building of Unit 2 ① (western central part of blow-out pannel)		Upper part of reactor building of Unit 2 ② (northern central part of blow-out pannel)		Upper part of reactor building of Unit 2 ③ (lower part of blow-out pannel)	
Time of Sampling	Data unavai machine	lable due to trouble	2011/ 10:31/	/10/25 ~12:31	2011/10/25 10:31~12:31		engaged in tasks associated with
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)	radiation (Bq/cm3) *
l-131 (about 8 days)	-	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	-	-	1.8E-05	0.01	2.0E-05	0.01	2E-03
Cs-137 (about 30 years)	-	-	2.2E-05	0.01	1.9E-05	0.01	3E-03
Nb-95 (approx.35days)	-	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	-	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	-	-	ND	-	1.7E-06	0.00	3E-03
Te- 129(approx.70mins)	-	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	-	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	-	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs )	-	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	-	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	-	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	-	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	-	-	ND	-	ND	-	1E-02

\* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide' \* 0.0E-0 means 0.0 x 10-0

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

\*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration. The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 3E-6Bq/cm3, Cs-134 approx 8E-6Bq/cm3, Cs-137 approx 9E-6 particulate I-131 approx 2E-6Bq/cm<sup>3</sup>

#### [Definite Report] Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Fukushima Daiichi

				U				
Place of Sampling	Upper part of re Unit (western centra pan	eactor building of 2 ① I part of blow-out nel)	Upper part of re Unit (northern centra pan	eactor building of 2 ② al part of blow-out nel)	Upper part of reactor building of Unit 2 ③ (lower part of blow-out pannel)		②Density limit in the air to workers	
Time of Sampling	2011 11:23	I/11/1 ∼13:23	2011 11:23	I/11/1 ∼13:23	2011 11:23	I/11/1 ∼13:23	engaged in tasks associated with	
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)	radiation (Bq/cm3) *	
l-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03	
Cs-134 (about 2 years)	1.5E-05	0.01	1.8E-05	0.01	8.4E-06	0.00	2E-03	
Cs-137 (about 30 years)	1.7E-05	0.01	1.9E-05	0.01	7.3E-06	0.00	3E-03	
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02	
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01	
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03	
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	4E-01	
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03	
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02	
Te-132 (approx.78hrs )	ND	-	ND	-	ND	-	4E-03	
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03	
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02	
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02	
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	1E-02	

\* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide' \* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration.

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

Cs-134 approx 7E-6Bq/cm3, Cs-137 approx 9E-6Bq/cm3

particulate I-131 approx 2E-6Bq/cm<sup>3</sup>

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

				•				
Place of Sampling	Upper part of re Unit 1 ① (aroun opening	eactor building of Id machine hatch 4th floor)	Upper part of re Unit 1 ② (large of reactor	eactor building of equipment hatch building)			②Density limit in the air to workers	
Time of Sampling	2011 13:35	I/11/4 ∼14:35	2011 13:35	1/11/4 ~14:35			engaged in tasks associated with	
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)	radiation (Bq/cm3) *	
l-131 (about 8 days)	ND	-	ND	-			1E-03	
Cs-134 (about 2 years)	1.4E-04	0.07	ND	-			2E-03	
Cs-137 (about 30 years)	2.0E-04	0.07	1.8E-05	0.01			3E-03	
Nb-95 (approx.35days)	ND	-	ND	-			2E-02	
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01	
Ag-110m (approx.250days)	ND	-	ND	-			3E-03	
Sb-125 (approx 3 years)	2.3E-05	0.00	ND	-			6E-03	
Te- 129(approx.70mins)	ND	-	ND	-			4E-01	
Te-129m (approx.34days)	ND	-	ND	-			4E-03	
I-132(approx.2hrs)	ND	-	ND	-			7E-02	
Te-132 (approx.78hrs )	ND	-	ND	-			4E-03	
I-133(approx.21hrs)	ND	-	ND	-			5E-03	
Cs-136 (approx.13days)	ND	-	ND	-			1E-02	
Ba-140 (approx.13days)	ND	-	ND	-			1E-02	
La-140 (approx.40hrs)	ND	-	ND	-			1E-02	

\* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's \* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration. The detection limit of major 3 nuclide are as follows: volatile I-131 approx 6E-6Bq/cm3, Cs-134 approx 2E-5Bq/cm3 particulate I-131 approx 4E-6Bq/cm<sup>3</sup>, Cs-134 approx 9E-6Bq/cm<sup>3</sup>, Cs-137 approx 1E-5Bq/cm<sup>3</sup> Detection limit differs between instruments and sample status and nuclide may be detected below the limit.

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

-				<u> </u>			
Place of Sampling	Upper part of re Unit 1 ③ (ent exhaust sy	eactor building of rance of cover ystem filter)	Upper part of re Unit 1 ④ (exit o syster	eactor building of of cover exhaust n filter)			②Density limit in the air to workers
Time of Sampling	2011 9:08~	I/11/4 ∽10:08	2011 8:56	/11/4 ~9:56			engaged in tasks associated with
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)	(Bq/cm3) *
l-131 (about 8 days)	ND	-	ND	-			1E-03
Cs-134 (about 2 years)	2.5E-05	0.01	ND	-			2E-03
Cs-137 (about 30 years)	3.2E-05	0.01	ND	-			3E-03
Nb-95 (approx.35days)	ND	-	ND	-			2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-			7E-01
Ag-110m (approx.250days)	ND	-	ND	-			3E-03
Sb-125 (approx 3 years)	3.5E-06	0.00	ND	-			6E-03
Te- 129(approx.70mins)	ND	-	ND	-			4E-01
Te-129m (approx.34days)	ND	-	ND	-			4E-03
I-132(approx.2hrs)	ND	-	ND	-			7E-02
Te-132 (approx.78hrs)	ND	-	ND	-			4E-03
I-133(approx.21hrs)	ND	-	ND	-			5E-03
Cs-136 (approx.13days)	ND	-	ND	-			1E-02
Ba-140 (approx.13days)	ND	-	ND	-			1E-02
La-140 (approx.40hrs)	ND	-	ND	-			1E-02

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration. The detection limit of major 3 nuclide are as follows:

particulate I-131 approx 7E-7Bq/cm<sup>3</sup>, Cs-134 approx 1E-6Bq/cm<sup>3</sup>, Cs-137 approx 1E-6Bq/cm<sup>3</sup>

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

Place of Sampling	Upper part of r Unit 3 ① (so upper par (dowr	Upper part of reactor buildin of Unit 3 ① (southwest side in upper part of reactor (downward)) Upper part of r Unit 3 ② (so upper part (side)		eactor buildin of uthwest side in t of reactor ward))	Upper part of r Unit 3 ③ (sou part of reactor	eactor buildin of uth side in upper (downward))	②Density limit in the air to workers engaged in tasks associated with
Time of Sampling	2011 11:25 <i>/</i>	/11/5 ~11:55	2011 11:25	/11/5 ~11:55	2011/11/5 12:27~12:57		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (1)/2)	①density of sample (Bq/cm3)	Scaling Factor (1)/2)	①density of sample (Bq/cm3)	Scaling Factor (1)/2)	radiation (Bq/cm3) *
l-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	7.8E-05	0.04	2.5E-04	0.13	5.1E-05	0.03	2E-03
Cs-137 (about 30 years)	1.0E-04	0.03	3.1E-04	0.10	6.7E-05	0.02	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	1E-02

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration.

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

Cs-137 approx 3E-5Bq/cm3

particulate I-131 approx 7E-6Bq/cm<sup>3</sup>

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

Place of Sampling	Upper part of reactor buildin of Unit 3 ④ (south side in upper part of reactor (sideward))		Upper part of ro Unit 3 ⑤ (so upper par (dowr	Upper part of reactor buildin of Unit 3 ⑤ (southeast side in upper part of reactor (downward))		Upper part of reactor buildin of Unit 3 (6) (southeast side in upper part of reactor (sideward))	
Time of Sampling	2011 12:27	I/11/5 ~12:57	Data unavai machine	lable due to trouble	2011/11/5 13:30~14:00		engaged in tasks associated with
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)	(Bq/cm3) *
l-131 (about 8 days)	ND	-	-	-	ND	-	1E-03
Cs-134 (about 2 years)	1.2E-04	0.06	-	-	6.0E-04	0.30	2E-03
Cs-137 (about 30 years)	1.8E-04	0.06	-	-	7.4E-04	0.25	3E-03
Nb-95 (approx.35days)	ND	-	-	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	-	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	-	-	ND	-	3E-03
Te- 129(approx.70mins)	ND	-	-	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	-	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	-	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	-	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	-	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	-	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	-	-	ND	-	1E-02
La-140 (approx.40hrs)	ND	-	-	-	ND	-	1E-02

\* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide' \* O.OE – O means O.O x 10-O

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

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

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

particulate I-131 approx 7E-6Bq/cm<sup>3</sup>

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

Place of Sampling	Upper part of re Unit 3 ① (nor part of reacto	Upper part of reactor building of Unit 3 ① (north side in upper part of reactor (downward))		Upper part of reactor building of Unit 3 ② (southwest side in upper part of reactor (sideways))		eactor building of thside in upper r (downward))	©Density limit in the air to workers engaged in tasks
Time of Sampling	2011 9:22	/11/9 ~9:52	2011 9:22	/11/9 ~9:52	2011 10:25	/11/9 ~10:55	engaged in tasks associated with
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)	(Bq/cm3) *
l-131 (about 8 days)	ND	-	ND	-	ND -		1E-03
Cs-134 (about 2 years)	5.0E-04	0.25	7.4E-04	0.37	2.1E-03	1.1	2E-03
Cs-137 (about 30 years)	6.0E-04	0.20	8.9E-04	0.30	2.6E-03	0.87	3E-03
Co-60 (approx.5yrs)	ND	-	3.3E-06	0.00	ND	-	1E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND -		2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND -		7E-01
Ag-110m (approx.250days)	ND	-	9.7E-06	0.00	4.1E-05	0.01	3E-03
Sb-125 (approx.3yrs)	2.8E-05	0.00	ND	-	ND		6E-03
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs )	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	1E-02

\* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.
 \* O.OE – O means O.O x 10-O

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration. The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 1E-5Bq/cm3

#### particulate I-131 approx 1E-5Bq/cm<sup>3</sup>

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

Place of Sampling	Upper part of re Unit 3 ④ (nort part of reacto	actor building of htside in upper r (sideways))	Upper part of reactor buildin of Unit 3 ⑤ (northeast side in upper part of reactor (downward))		Upper part of re Unit 3 (6) (northe part of reacto	eactor buildin of east side in upper r (sideward))	f er ②Density limit in the air to workers engaged in tasks
Time of Sampling	2011 10:25	/11/9 ~10:55	2011 11:25	/11/9 ~11:55	2011 11:25	/11/9 ~11:55	engaged in tasks associated with
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)	(Bq/cm3) *
l-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	8.5E-04	0.43	7.5E-04	0.38	2.1E-03	1.1	2E-03
Cs-137 (about 30 years)	1.1E-03	0.37	9.8E-04	0.33	2.6E-03	0.87	3E-03
Co-60 (approx.5yrs)	ND	-	ND	-	ND	-	1E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	1.0E-05	0.00	1.7E-05	0.01	3.9E-05	0.01	3E-03
Sb-125 (approx.3yrs)	ND	-	ND	-	ND	-	6E-03
Te- 129(approx.70mins)	ND	-	ND	-	2.0E-04	0.00	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs )	ND	-	ND	-	ND	-	4E-03
l-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.

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration. The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 1E-5Bq/cm3

particulate I-131 approx 2E-5Bq/cm<sup>3</sup>

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

Place of Sampling	Upper part of ro Unit 3 ⑦ (aroun opening	eactor buildin of d machine hatch 3rd floor)					②Density limit in the air to workers engaged in tasks
Time of Sampling	2011 12:25	/11/9 ~12:55					engaged in tasks associated with
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)	(Bq/cm3) *
l-131 (about 8 days)	ND	-					1E-03
Cs-134 (about 2 years)	1.9E-04	0.10					2E-03
Cs-137 (about 30 years)	2.3E-04	0.08					3E-03
Co-60 (approx.5yrs)	ND	-					1E-03
Nb-95 (approx.35days)	ND	-					2E-02
Tc-99m (approx.6hrs)	ND	-					7E-01
Ag-110m (approx.250days)	ND	-					3E-03
Sb-125 (approx.3yrs)	ND	-					6E-03
Te- 129(approx.70mins)	ND	-					4E-01
Te-129m (approx.34days)	ND	-					4E-03
I-132(approx.2hrs)	ND	-					7E-02
Te-132 (approx.78hrs )	ND	-					4E-03
l-133(approx.21hrs)	ND	-					5E-03
Cs-136 (approx.13days)	ND	-					1E-02
Ba-140 (approx.13days)	ND	-					1E-02
La-140 (approx.40hrs)	ND	-					1E-02

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration. The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 1E-5Bq/cm3

particulate I-131 approx 6E-6Bq/cm<sup>3</sup>

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

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

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration. The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 1E-5Bq/cm3

particulate I-131 approx 8E-6Bq/cm<sup>3</sup>

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

Place of Sampling	Upper part of r of Unit 3 ④ upper part (side)	Upper part of reactor building of Unit 3 ④ (northtside in upper part of reactor (sideways))		reactor buildin ortheast side in t of reactor ward))	Upper part of of Unit 3 ⑥ (no upper part (side)	reactor buildin ortheast side in t of reactor ward))	©Density limit in the air to workers engaged in tasks
Time of Sampling	2011/ 11:00-	/11/10 ~11:30	2011/ 12:00 <i>-</i>	/11/10 ~12:30	2011/ 12:00 <i>-</i>	/11/10 ~12:30	associated with
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)	radiation (Bq/cm3) *
l-131 (about 8 days)	ND	-	ND	-	ND -		1E-03
Cs-134 (about 2 years)	5.1E-04	0.26	4.2E-03	2.1	1.8E-03	0.90	2E-03
Cs-137 (about 30 years)	6.6E-04	0.22	5.0E-03	1.7	2.3E-03	0.77	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	4.7E-05	0.02	2.3E-05	0.01	3E-03
Sb-125 (approx.3yrs)	ND	-	ND	-	ND	-	6E-03
Te- 129(approx.70mins)	ND	-	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	5.5E-04	0.14	3.0E-04	0.08	4E-03
I-132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	4E-03
I-133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02
Ba-140 (approx.13days)	ND	-	ND	-	ND -		1E-02
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	1E-02

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration. The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 1E-5Bq/cm3

particulate I-131 approx 2E-5Bq/cm<sup>3</sup>

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

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

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

\* 0.0E-0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1. \*ND indicates the case where the detected amount is below the detection limit of the radioactive concentration. The detection limit of major 3 nuclide are as follows: volatile particulate I-131 approx 1E-5Bq/cm3

particulate I-131 approx 1E-5Bq/cm<sup>3</sup>

#### [Definite Report] Nuclide analysis of the fallouts inside and outside of Fukushima Daiichi NPP site < 1/3 >

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

\* Bq/m2 = MBq/km2

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 340Bq/m2、Cs-134: approx. 120Bq/m2、Cs-137: approx. 110Bq/m2。 Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

#### [Definite Report] Nuclide analysis of the fallouts inside and outside of Fukushima Daiichi NPP site < 2/3 >

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

\* Bq/m2 = MBq/km2

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 300Bq/m2、Cs-134: approx. 120Bq/m2、Cs-137: approx. 130Bq/m2。 Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

#### [Definite Report] Nuclide analysis of the fallouts inside and outside of Fukushima Daiichi NPP site < 3/3 >

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

\* Bq/m2 = MBq/km2

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

The detection limits of major three nuclide that are not detected are as follows: I-131: approx. 150Bq/m2、Cs-134: approx. 100Bq/m2、Cs-137: approx. 110Bq/m2。 Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

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

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

 $^{\ast}$  The value of radioactivity density is the sum of the value of volatile nuclide's

density and the value of particulate nuclide's density.

\* 0.0E - 0 means 0.0 x 10-0

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

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

The detection limits of major three nuclide that are not detected are as follows:

Volatile: I-131: approx. 1E-5Bq/cm3, Cs-134: approx. 3E-5Bq/cm3, Cs-137: approx. 3E-4Bq/cm3 Particulate: I-131: approx. 8E-6Bq/cm3, Cs-134: approx. 6E-6Bq/cm3

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

Place of Sampling	North Side Fukushima D	e Slope of aiichi Unit 1	mountainsid Fukushim	e of Unit 1 of na Daiichi	mountainsid Fukushin	e of Unit 2 of na Daiichi	- Donoity limit in the cirts	
Time of Sampling	201 <i>1</i> 10:32 -	1/7/7 ~ 10:52	2017 11:10 -	1/7/7 ~ 11:30	2017 11:44 -	1/7/7 ~ 12:04	Density limit in the air to workers engaged in tasks associated with radiation	
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	(Bq/cm3)*	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03	
Cs-134 (about 2 years)	ND	-	8.9E-05	0.04	ND	-	2E-03	
Cs-137 (about 30 years)	ND	-	7.4E-05	0.02	ND	-	3E-03	
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02	
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01	
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03	
Te- 129(approx.70min s)	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	
l- 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	

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

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

\* 0.0E - 0 means 0.0 x 10-0

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

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

The detection limits of major three nuclide that are not detected are as follows:

Volatile: I-131: approx. 4E-5Bq/cm3, Cs-134: approx. 9E-5Bq/cm3, Cs-137: approx. 1E-4Bq/cm3

Particulate: I-131: approx. 2E-5Bq/cm3, Cs-134: approx. 5E-5Bq/cm3, Cs-137: approx. 5E-5Bq/cm3

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

Place of Sampling	Mountainsid Fukushin	e of Unit 1 of na Daiichi	Mountainsid Fukushin	e of Unit 2 of na Daiichi	North Side Slope of Unit 1 of Fukushima Daiichi		Density limit in	
Time of Sampling	2011 10:41	/7/15 ~ 11:41	2011 10:43 -	/7/15 ~ 11:43	201 10:34	1/7/15 ~ 13:34	engaged in tasks associated with	
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	radiation ( Bq/cm3 ) *	
l-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03	
Cs-134 (about 2 years)	3.2E-05	0.02	2.8E-05	0.01	1.5E-05	0.01	2E-03	
Cs-137 (about 30 years)	4.3E-05	0.01	2.9E-05	0.01	1.1E-05	0.00	3E-03	
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02	
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01	
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03	
Te- 129(approx.70min s)	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	
l- 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	

[Definite Report] Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Station:

\* The value of radioactivity density is the sum of the value of volatile

nuclide's density and the value of particulate nuclide's density.

\* 0.0E - 0 means 0.0 x 10-0

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1 \* When the radioactivity density is below the detection limit, it shows "ND" which means "Not Detectable".

The detection limits of major three nuclide that are not detected are as follows:

Volatile: I-131: approx. 1E-5Bq/cm3, Cs-134: approx. 3E-5Bq/cm3, Cs-137: approx. 3E-5Bq/cm3 Particulate: I-131: approx. 7E-6Bq/cm3

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

Place of Sampling	North Side Slope of Fukushima Daiichi Unit 1		West Side Slope Fukushima Daiichi Unit 1 and Unit 2		West S Fukushima D ل	Density limit in	
Time of Sampling	2011 10:52 -	/7/22 ~ 13:52	2011/7/22 10:43 ~ 13:43		2011/7/22 10:34 ~ 13:34		the air to workers engaged in tasks
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	radiation ( Bq/cm3 ) *
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	ND	-	ND	-	1.1E-05	0.01	2E-03
Cs-137 (about 30 years)	ND	-	ND	-	1.3E-05	0.00	3E-03
Nb-95 (approx.35days)	ND	-	ND	-	ND	-	2E-02
Tc-99m (approx.6hrs)	ND	-	ND	-	ND	-	7E-01
Ag-110m (approx.250days)	ND	-	ND	-	ND	-	3E-03
Te- 129(approx.70min s)	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
l- 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

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

\* The value of radioactivity density is the sum of the value of volatile

nuclide's density and the value of particulate nuclide's density.

\* O.OE - O means O.O x 10-O

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

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

The detection limits of major three nuclide that are not detected are as follows:

Volatile: I-131: approx. 4E-6Bq/cm3, Cs-134: approx. 1E-5Bq/cm3, Cs-137: approx. 1E-5Bq/cm3

Particulate: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 5E-6Bq/cm3, Cs-137: approx. 6E-6Bq/cm3 Please note that these nuclides are sometimes detected even when they are below the limits,

contingent on the detector or samples.

Place of Sampling	MP-1 Fukus	hima Daiichi	MP-3 Fukus	hima Daiichi	MP-8 Fukushima Daiichi		Density limit in	
Time of Sampling	2011/7/23 10:15 ~ 13:15		2011/7/23 10:35 ~ 13:35		2011/7/23 10:45 ~ 13:45		the air to workers engaged in tasks	
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	radiation ( Bq/cm3 ) *	
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.70min s)	ND	-	ND	-	ND	-	4E-01	
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03	
l- 132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02	
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	4E-03	
l- 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	

Definite Report	Nuclida Analy	reis Results of	Radioactive	Materials in the	Air at the Sit	es of Fukushims	Nuclear	Power Sta
	Nuclide Anal	sis results of	Radioactive	materials in the	All at the Site	es of Fukushima	inuclear	Power Sta

\* The value of radioactivity density is the sum of the value of volatile

nuclide's density and the value of particulate nuclide's density.

\* 0.0E - 0 means 0.0 x 10-0

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

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

The detection limits of major three nuclide that are not detected are as follows:

Volatile: I-131: approx. 3E-6Bq/cm3, Cs-134: approx. 9E-6Bq/cm3, Cs-137: approx. 1E-5Bq/cm3 Particulate: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 6E-6Bq/cm3, Cs-137: approx. 6E-6Bq/cm3 Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

[Definite Report]	Nuclide Analysis Results of	f Radioactive Materials in the	Air at the Sites of Fukushima	a Nuclear Power Sta
-------------------	-----------------------------	--------------------------------	-------------------------------	---------------------

Place of Sampling	Environmen Building of Dai	t Monitoring Fukushima ichi	Water Treatment Building of Fukushima Daiichi		Switching Yard of Unit 5 and Unit 6, Fukushima Daiichi		Density limit in	
Time of Sampling	2011/7/25 10:26 ~ 13:26		2011/7/25 10:34 ~ 13:34		2011/7/25 10:42 ~ 13:42		the air to workers engaged in tasks associated with	
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	radiation (Bq/cm3)*	
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.70min s)	ND	-	ND	-	ND	-	4E-01	
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03	
l- 132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02	
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	4E-03	
l- 133(approx.21hrs)	ND	-	ND	-	ND	-	5E-03	
Cs-136 (approx.13days)	ND	-	ND	-	ND	-	1E-02	
Ba-140 (approx.13days)	ND	-	ND	-	ND	-	1E-02	
La-140 (approx.40hrs)	ND	-	ND	-	ND	-	1E-02	

\* The value of radioactivity density is the sum of the value of volatile

nuclide's density and the value of particulate nuclide's density.

\* O.OE - O means O.O x 10-O

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

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

The detection limits of major three nuclide that are not detected are as follows:

Volatile: I-131: approx. 4E-6Bq/cm3, Cs-134: approx. 1E-5Bq/cm3, Cs-137: approx. 1E-5Bq/cm3 Particulate: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 5E-6Bq/cm3, Cs-137: approx. 6E-6Bq/cm3 Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	Fukushima [	Daiichi MP-1	Fukushima Daiichi MP-3		Fukushima Daiichi MP-8		Density limit in
Time of Sampling	2011/7/26 10:07 ~ 13:07		2011/7/26 10:21 ~ 13:21		2011/7/26 10:29 ~ 13:29		the air to workers engaged in tasks
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	radiation ( Bq/cm3 ) *
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.70min s)	ND	_	ND	-	ND	-	4E-01
Te-129m (approx.34days)	ND	-	ND	-	ND	-	4E-03
l- 132(approx.2hrs)	ND	-	ND	-	ND	-	7E-02
Te-132 (approx.78hrs)	ND	-	ND	-	ND	-	4E-03
l- 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

Definite Report	Nuclida Analy	reis Results of	Radioactive	Materials in the	Air at the Sit	es of Fukushims	Nuclear	Power Sta
	Nuclide Anal	sis results of	Radioactive	materials in the	All at the Site	es of Fukushima	inuclear	Power Sta

\* The value of radioactivity density is the sum of the value of volatile

nuclide's density and the value of particulate nuclide's density.

\* 0.0E - 0 means 0.0 x 10-0

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

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

The detection limits of major three nuclide that are not detected are as follows:

Volatile: I-131: approx. 4E-6Bq/cm3, Cs-134: approx. 1E-5Bq/cm3, Cs-137: approx. 1E-5Bq/cm3 Particulate: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 5E-6Bq/cm3, Cs-137: approx. 5E-6Bq/cm3 Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Place of Sampling	North Side Fukushima D	e Slope of aiichi Unit 1	West Side Slope Fukushima Daiichi Unit 1 and Unit 2		West ۵ Fukushima ۵ ا	Density limit in	
Time of Sampling	2011 10:03	/7/30 ~ 13:03	2011/7/30 9:47 ~ 12:47		2011/7/30 9:37 ~ 12:37		the air to workers engaged in tasks
Detected Nuclides (Half-life)	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	density of sample ( Bq/cm3)	Scaling Factor ( / )	radiation ( Bq/cm3 ) *
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.70min s)	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
l- 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

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

\* The value of radioactivity density is the sum of the value of volatile

nuclide's density and the value of particulate nuclide's density.

\* 0.0E - 0 means 0.0 x 10-0

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

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

The detection limits of major three nuclide that are not detected are as follows:

Volatile: I-131: approx. 3E-6Bq/cm3, Cs-134: approx. 9E-6Bq/cm3, Cs-137: approx. 9E-6Bq/cm3 Particulate: I-131: approx. 2E-6Bq/cm3, Cs-134: approx. 6E-6Bq/cm3, Cs-137: approx. 6E-6Bq/cm3 Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.