

**【Definite Report】 Result of Nuclide Analysis of Radioactive Materials in the Air  
at the Site of Fukushima Nuclear Power Stations**

Place of sampling		West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> )
Date and time of sampling		2011/5/8 11:21 ~ 11:41		2011/5/8 9:12 ~ 9:22		2011/5/8 15:04 ~ 15:13		
Detected nuclide (half-life)		Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
Volatile	I-131 (about 8 days)	1.3E-05	0.01	Not Detectable	-	4.2E-06	0.00	1E-03
	Cs-134 (about 2 years)	3.0E-05	0.02	1.3E-05	0.01	1.8E-05	0.01	2E-03
	Cs-137 (about 30 years)	2.9E-05	0.01	1.2E-05	0.00	1.9E-05	0.01	3E-03
	Nb-95 (about 35 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-02
	Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-01
	Ag-110m (about 250 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-03
	Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01
	Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-02
	Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-133 (about 21 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	5E-03
	Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	La-140 (about 40 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
Particulate	I-131 (about 8 days)	1.1E-05	0.01	5.4E-06	0.01	1.7E-06	0.00	1E-03
	Cs-134 (about 2 years)	3.6E-05	0.02	Not Detectable	-	1.3E-05	0.01	2E-03
	Cs-137 (about 30 years)	3.5E-05	0.01	Not Detectable	-	1.2E-05	0.00	3E-03
	Nb-95 (about 35 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-02
	Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-01
	Ag-110m (about 250 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-03
	Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01
	Te-129m (about 34 days)	3.6E-05	0.01	Not Detectable	-	Not Detectable	-	4E-03
	I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-02
	Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-133 (about 21 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	5E-03
	Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	La-140 (about 40 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02

. E - means . x 10<sup>-</sup>

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

**【Definite Report】 Result of Nuclide Analysis of Radioactive Materials in the Air  
at the Site of Fukushima Nuclear Power Stations**

Place of sampling		West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> )
Date and time of sampling		2011/5/9 11:20 ~ 11:40		2011/5/9 9:43 ~ 9:53		2011/5/9 15:05 ~ 15:15		
Detected nuclide (half-life)		Radioactivity density	Scaling factor ( / )	Radioactivity density	Scaling factor ( / )	Radioactivity density	Scaling factor ( / )	
Volatile	I-131 (about 8 days)	5.1E-06	0.01	3.7E-06	0.00	Not Detectable	-	1E-03
	Cs-134 (about 2 years)	7.3E-06	0.00	1.2E-05	0.01	1.5E-05	0.01	2E-03
	Cs-137 (about 30 years)	9.2E-06	0.00	1.3E-05	0.00	1.7E-05	0.01	3E-03
	Nb-95 (about 35 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-02
	Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-01
	Ag-110m (about 250 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-03
	Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01
	Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-02
	Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-133 (about 21 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	5E-03
	Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	La-140 (about 40 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
Particulate	I-131 (about 8 days)	4.1E-06	0.00	2.1E-06	0.00	Not Detectable	-	1E-03
	Cs-134 (about 2 years)	Not Detectable	-	1.0E-05	0.01	Not Detectable	-	2E-03
	Cs-137 (about 30 years)	Not Detectable	-	1.0E-05	0.00	Not Detectable	-	3E-03
	Nb-95 (about 35 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-02
	Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-01
	Ag-110m (about 250 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-03
	Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01
	Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-02
	Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-133 (about 21 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	5E-03
	Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	La-140 (about 40 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02

E - means . x 10<sup>-</sup>

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

**【Definite Report】 Result of Nuclide Analysis of Radioactive Materials in the Air  
at the Site of Fukushima Nuclear Power Stations**

Place of sampling		West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> )
Date and time of sampling		2011/5/10 11:30 ~ 11:50		2011/5/10 9:11 ~ 9:21		2011/5/10 15:08 ~ 15:16		
Detected nuclide (half-life)		Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
Volatile	I-131 (about 8 days)	4.8E-06	0.00	Not Detectable	-	Not Detectable	-	1E-03
	Cs-134 (about 2 years)	7.7E-06	0.00	1.3E-05	0.01	1.2E-05	0.01	2E-03
	Cs-137 (about 30 years)	8.3E-06	0.00	1.0E-05	0.00	1.7E-05	0.01	3E-03
	Nb-95 (about 35 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-02
	Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-01
	Ag-110m (about 250 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-03
	Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01
	Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-02
	Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-133 (about 21 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	5E-03
	Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	La-140 (about 40 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
Particulate	I-131 (about 8 days)	3.7E-06	0.00	Not Detectable	-	6.1E-06	0.01	1E-03
	Cs-134 (about 2 years)	6.1E-06	0.00	Not Detectable	-	Not Detectable	-	2E-03
	Cs-137 (about 30 years)	8.2E-06	0.00	Not Detectable	-	Not Detectable	-	3E-03
	Nb-95 (about 35 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-02
	Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-01
	Ag-110m (about 250 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-03
	Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01
	Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-02
	Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-133 (about 21 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	5E-03
	Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	La-140 (about 40 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02

E - means  $\times 10^E$

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

**【Definite Report】 Result of Nuclide Analysis of Radioactive Materials in the Air  
at the Site of Fukushima Nuclear Power Stations**

Place of sampling		West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> )
Date and time of sampling		2011/5/11 11:30 ~ 11:50		2011/5/11 9:12 ~ 9:19		2011/5/11 15:16 ~ 15:24		
Detected nuclide (half-life)		Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
Volatile	I-131 (about 8 days)	7.3E-06	0.01	2.8E-06	0.00	3.4E-06	0.00	1E-03
	Cs-134 (about 2 years)	1.1E-05	0.01	1.4E-05	0.01	1.8E-05	0.01	2E-03
	Cs-137 (about 30 years)	1.1E-05	0.00	1.5E-05	0.01	1.7E-05	0.01	3E-03
	Nb-95 (about 35 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-02
	Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-01
	Ag-110m (about 250 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-03
	Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01
	Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-02
	Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-133 (about 21 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	5E-03
	Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	La-140 (about 40 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
Particulate	I-131 (about 8 days)	3.9E-06	0.00	1.8E-06	0.00	2.0E-06	0.00	1E-03
	Cs-134 (about 2 years)	1.6E-05	0.01	5.0E-06	0.00	8.6E-06	0.00	2E-03
	Cs-137 (about 30 years)	1.4E-05	0.00	7.4E-06	0.00	9.5E-06	0.00	3E-03
	Nb-95 (about 35 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-02
	Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-01
	Ag-110m (about 250 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-03
	Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01
	Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-02
	Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-133 (about 21 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	5E-03
	Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	La-140 (about 40 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02

. E - means . x 10<sup>-</sup>

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

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at the Site of Fukushima Nuclear Power Stations**

Place of sampling		West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> )
Date and time of sampling		2011/5/12 11:30 ~ 11:50		2011/5/12 9:17 ~ 9:24		2011/5/12 15:05 ~ 15:13		
Detected nuclide (half-life)		Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
Volatile	I-131 (about 8 days)	4.7E-06	0.00	Not Detectable	-	Not Detectable	-	1E-03
	Cs-134 (about 2 years)	1.1E-05	0.01	1.5E-05	0.01	1.1E-05	0.01	2E-03
	Cs-137 (about 30 years)	1.0E-05	0.00	1.1E-05	0.00	1.1E-05	0.00	3E-03
	Nb-95 (about 35 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-02
	Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-01
	Ag-110m (about 250 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-03
	Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01
	Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-02
	Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-133 (about 21 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	5E-03
	Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	La-140 (about 40 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
Particulate	I-131 (about 8 days)	2.4E-06	0.00	1.6E-06	0.00	Not Detectable	-	1E-03
	Cs-134 (about 2 years)	Not Detectable	-	1.1E-05	0.01	Not Detectable	-	2E-03
	Cs-137 (about 30 years)	6.1E-06	0.00	8.5E-06	0.00	Not Detectable	-	3E-03
	Nb-95 (about 35 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-02
	Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-01
	Ag-110m (about 250 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-03
	Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01
	Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-02
	Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-133 (about 21 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	5E-03
	Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	La-140 (about 40 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02

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Date and time of sampling		2011/5/13 11:30 ~ 11:50		2011/5/13 9:08 ~ 9:16		2011/5/13 15:05 ~ 15:15		
Detected nuclide (half-life)		Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
Volatile	I-131 (about 8 days)	4.9E-06	0.00	Not Detectable	-	Not Detectable	-	1E-03
	Cs-134 (about 2 years)	6.4E-06	0.00	1.4E-05	0.01	9.1E-06	0.00	2E-03
	Cs-137 (about 30 years)	7.9E-06	0.00	1.6E-05	0.01	1.1E-05	0.00	3E-03
	Nb-95 (about 35 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-02
	Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-01
	Ag-110m (about 250 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-03
	Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01
	Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-02
	Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
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	Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	La-140 (about 40 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
Particulate	I-131 (about 8 days)	2.3E-06	0.00	Not Detectable	-	1.5E-06	0.00	1E-03
	Cs-134 (about 2 years)	4.6E-06	0.00	Not Detectable	-	7.9E-06	0.00	2E-03
	Cs-137 (about 30 years)	4.9E-06	0.00	Not Detectable	-	9.4E-06	0.00	3E-03
	Nb-95 (about 35 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-02
	Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-01
	Ag-110m (about 250 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-03
	Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01
	Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-02
	Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
	I-133 (about 21 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	5E-03
	Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
	La-140 (about 40 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02

. E - means . x 10<sup>-</sup>

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at the Site of Fukushima Nuclear Power Stations**

【Definite Report】 Result of	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> )
	Date and time of sampling	2011/5/14 11:30 ~ 11:50	2011/5/14 9:15 ~ 9:29	2011/5/14 16:42 ~ 16:52	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
I-131 (about 8 days)	7.1E-06	0.01	4.8E-06	0.00	2.8E-06	0.00	1E-03
Cs-134 (about 2 years)	9.7E-06	0.00	2.7E-05	0.01	1.3E-05	0.01	2E-03
Cs-137 (about 30 years)	9.2E-06	0.00	2.6E-05	0.01	1.3E-05	0.00	3E-03
Nb-95 (about 35 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-02
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-01
Ag-110m (about 250 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-03
Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01
Te-129m (about 34 days)	Not Detectable	-	8.2E-05	0.02	6.3E-05	0.02	4E-03
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-02
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
I-133 (about 21 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	5E-03
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
La-140 (about 40 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	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

. E - means . x 10 -

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

**【Definite Report】 Result of Nuclide Analysis of Radioactive Materials in the Air  
at the Site of Fukushima Nuclear Power Stations**

【Definite Report】 Result of	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> )
	Date and time of sampling	2011/5/15 11:30 ~ 11:50	2011/5/15 9:03 ~ 9:13	2011/5/15 14:55 ~ 15:05	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
Detected nuclide (half-life)	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
I-131 (about 8 days)	1.6E-05	0.02	2.6E-06	0.00	2.8E-06	0.00	1E-03
Cs-134 (about 2 years)	2.0E-05	0.01	1.9E-05	0.01	5.9E-06	0.00	2E-03
Cs-137 (about 30 years)	3.5E-05	0.01	1.9E-05	0.01	8.9E-06	0.00	3E-03
Nb-95 (about 35 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-02
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-01
Ag-110m (about 250 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-03
Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-02
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
I-133 (about 21 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	5E-03
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
La-140 (about 40 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	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

. E - means . x 10 -

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.



**【Definite Report】 Result of Nuclide Analysis of Radioactive Materials in the Air  
at the Site of Fukushima Nuclear Power Stations**

【Definite Report】 Result of	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> )
	Date and time of sampling	2011/5/16 11:30 ~ 11:50	2011/5/16 9:11 ~ 9:21	2011/5/16 15:34 ~ 15:42	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
Detected nuclide (half-life)	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
I-131 (about 8 days)	7.6E-06	0.01	Not Detectable	-	Not Detectable	-	1E-03
Cs-134 (about 2 years)	7.0E-06	0.00	8.5E-06	0.00	9.3E-06	0.00	2E-03
Cs-137 (about 30 years)	6.1E-06	0.00	7.7E-06	0.00	1.2E-05	0.00	3E-03
Nb-95 (about 35 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-02
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-01
Ag-110m (about 250 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-03
Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-02
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
I-133 (about 21 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	5E-03
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
La-140 (about 40 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	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

. E - means . x 10 -

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

**【Definite Report】 Result of Nuclide Analysis of Radioactive Materials in the Air  
at the Site of Fukushima Nuclear Power Stations**

【Definite Report】 Result of	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> )
	Date and time of sampling	2011/5/17 11:29 ~ 11:49	2011/5/17 9:06 ~ 9:16	2011/5/17 15:11 ~ 15:21	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
Detected nuclide (half-life)	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
I-131 (about 8 days)	6.6E-06	0.01	3.6E-06	0.00	1.9E-06	0.00	1E-03
Cs-134 (about 2 years)	1.5E-05	0.01	9.8E-06	0.00	1.7E-05	0.01	2E-03
Cs-137 (about 30 years)	1.9E-05	0.01	1.4E-05	0.00	1.6E-05	0.01	3E-03
Nb-95 (about 35 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-02
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-01
Ag-110m (about 250 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-03
Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-02
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
I-133 (about 21 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	5E-03
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
La-140 (about 40 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	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  
. E - means . x 10 -

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

**【Definite Report】 Result of Nuclide Analysis of Radioactive Materials in the Air  
at the Site of Fukushima Nuclear Power Stations**

【Definite Report】 Result of	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> )
	Date and time of sampling	2011/5/18 11:30 ~ 11:50	2011/5/18 9:10 ~ 9:20	2011/5/18 15:16 ~ 15:26	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
Detected nuclide (half-life)	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
I-131 (about 8 days)	9.7E-06	0.01	Not Detectable	-	4.6E-06	0.00	1E-03
Cs-134 (about 2 years)	3.2E-05	0.02	1.2E-05	0.01	1.7E-05	0.01	2E-03
Cs-137 (about 30 years)	2.8E-05	0.01	2.4E-05	0.01	1.9E-05	0.01	3E-03
Nb-95 (about 35 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-02
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-01
Ag-110m (about 250 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-03
Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-02
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
I-133 (about 21 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	5E-03
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
La-140 (about 40 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	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

. E - means . x 10 -

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

**【Definite Report】 Result of Nuclide Analysis of Radioactive Materials in the Air  
at the Site of Fukushima Nuclear Power Stations**

【Definite Report】 Result of	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> )
	Date and time of sampling	2011/5/19 11:30 ~ 11:50	2011/5/19 9:11 ~ 9:21	2011/5/19 15:06 ~ 15:16			
Detected nuclide (half-life)	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
I-131 (about 8 days)	8.1E-06	0.01	2.9E-06	0.00	2.2E-06	0.00	1E-03
Cs-134 (about 2 years)	8.4E-06	0.00	1.7E-05	0.01	9.7E-06	0.00	2E-03
Cs-137 (about 30 years)	7.4E-06	0.00	1.8E-05	0.01	1.0E-05	0.00	3E-03
Nb-95 (about 35 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-02
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-01
Ag-110m (about 250 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-03
Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-02
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
I-133 (about 21 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	5E-03
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
La-140 (about 40 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	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  
. E - means . x 10 -

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

**【Definite Report】 Result of Nuclide Analysis of Radioactive Materials in the Air  
at the Site of Fukushima Nuclear Power Stations**

【Definite Report】 Result of	West Gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> )
	Date and time of sampling	2011/5/20 14:00 ~ 14:20	2011/5/20 9:06 ~ 9:16	2011/5/20 15:09 ~ 15:19	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
Detected nuclide (half-life)	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
I-131 (about 8 days)	6.8E-06	0.01	3.0E-06	0.00	Not Detectable	-	1E-03
Cs-134 (about 2 years)	2.2E-05	0.01	3.2E-05	0.02	1.7E-05	0.01	2E-03
Cs-137 (about 30 years)	1.6E-05	0.01	3.7E-05	0.01	2.6E-05	0.01	3E-03
Nb-95 (about 35 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-02
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-01
Ag-110m (about 250 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-03
Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	7E-02
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-03
I-133 (about 21 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	5E-03
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02
La-140 (about 40 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E-02

The value of Radioactivity density is the sum of the value of volatile nuclide's density and the value of paritulate nuclide's density

. E - means . x 10 -

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

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

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)				Around South Discharge Channel of 1F ( approx. 330m south of 1-4u Discharge Channel)				Around North Discharge Channel of 2F ( Around 3,4u Discharge Channel) ( approx. 10 km from 1F )		Around Iwasawa Shore of 2F ( approx. 7 km south of 1,2u Discharge Channel) ( approx. 16 km from 1F )		Density limit by the announcement of Reactor Regulation (Bq/cm3) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	2011//5/8 8:50:00		2011//5/8 14:15:00		2011//5/8 8:30:00		2011//5/8 13:55:00		2011//5/8 8:25:00		2011//5/8 7:55:00	
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 ( / )	Density of Sample ( Bq/cm3)	Scaling Factor ( / )	Density of Sample ( Bq/cm3)	Scaling Factor ( / )	
I-131 (about 8 days)	3.5E-02	0.88	6.6E-02	1.7	Not Detectable	-	Not Detectable	-	4.5E-03	0.11	Not Detectable	-	4E-02
Cs-134 (about 2 years)	1.1E-01	1.8	1.5E-01	2.5	6.3E-02	1.1	4.9E-02	0.82	3.9E-02	0.65	3.5E-02	0.58	6E-02
Cs-137 (about 30 years)	1.1E-01	1.2	1.6E-01	1.8	5.4E-02	0.60	6.6E-02	0.73	4.4E-02	0.49	3.6E-02	0.40	9E-02
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+01
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E+00
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01

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

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

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)				Around South Discharge Channel of 1F ( approx. 330m south of 1-4u Discharge Channel)				Around North Discharge Channel of 2F ( Around 3,4u Discharge Channel) ( approx. 10 km from 1F )		Around Iwasawa Shore of 2F ( approx. 7 km south of 1,2u Discharge Channel) ( approx. 16 km from 1F )		Density limit by the announcement of Reactor Regulation (Bq/cm3) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	2011//5/9 9:05:00		2011//5/9 13:55:00		2011//5/9 8:45:00		2011//5/9 13:40:00		2011//5/9 8:50:00		2011//5/9 8:15:00	
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 ( / )	Density of Sample ( Bq/cm3)	Scaling Factor ( / )	Density of Sample ( Bq/cm3)	Scaling Factor ( / )	
I-131 (about 8 days)	9.6E-03	0.24	1.9E-02	0.48	4.8E-03	0.12	6.3E-03	0.16	4.6E-03	0.12	4.4E-03	0.11	4E-02
Cs-134 (about 2 years)	6.3E-02	1.1	7.5E-02	1.3	6.3E-02	1.1	5.5E-02	0.92	3.4E-02	0.57	3.0E-02	0.50	6E-02
Cs-137 (about 30 years)	6.8E-02	0.76	8.0E-02	0.89	5.7E-02	0.63	6.1E-02	0.68	4.0E-02	0.44	4.3E-02	0.48	9E-02
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+01
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E+00
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01

. E - means . x 1 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.

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

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)				Around South Discharge Channel of 1F ( approx. 330m south of 1-4u Discharge Channel)				Around North Discharge Channel of 2F ( Around 3,4u Discharge Channel) ( approx. 10 km from 1F )		Around Iwasawa Shore of 2F ( approx. 7 km south of 1,2u Discharge Channel) ( approx. 16 km from 1F )		Density limit by the announcement of Reactor Regulation (Bq/cm3) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection		2011//5/10 9:00:00		2011//5/10 14:10:00		2011//5/10 8:35:00		2011//5/10 13:50:00		2011//5/10 8:50:00		
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 ( / )	Density of Sample ( Bq/cm3)	Scaling Factor ( / )	Density of Sample ( Bq/cm3)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	7.7E-03	0.19	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-02
Cs-134 (about 2 years)	6.4E-02	1.1	5.2E-02	0.90	4.7E-02	0.78	8.4E-02	1.4	2.6E-02	0.43	2.4E-02	0.40	6E-02
Cs-137 (about 30 years)	8.9E-02	0.99	5.6E-02	0.62	5.3E-02	0.59	8.8E-02	0.98	2.8E-02	0.31	2.7E-02	0.30	9E-02
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+01
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E+00
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01

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



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

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)				Around South Discharge Channel of 1F ( approx. 330m south of 1-4u Discharge Channel)						Around North Discharge Channel of 2F ( Around 3,4u Discharge Channel) ( approx. 10 km from 1F )		Around Iwasawa Shore of 2F ( approx. 7 km south of 1,2u Discharge Channel) ( approx. 16 km from 1F )		Density limit by the announcement of Reactor Regulation (Bq/cm3) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	2011/05/11 9:00		2011/05/11 14:30		2011/05/11 8:35		2011/05/11 14:15		2011/05/11 17:30		2011/05/11 8:55		2011/05/11 8:00	
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 ( / )	Density of Sample ( Bq/cm3)	Scaling Factor ( / )	Density of Sample ( Bq/cm3)	Scaling Factor ( / )	Density of Sample ( Bq/cm3)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	5.5E-03	0.14	Not Detectable	-	1.1E-02	0.28	4.2E-03	0.11	Not Detectable	-	4E-02
Cs-134 (about 2 years)	5.8E-02	0.97	7.2E-02	1.2	5.0E-02	0.83	7.2E-02	1.2	1.7E-01	2.8	2.1E-02	0.35	Not Detectable	-	6E-02
Cs-137 (about 30 years)	5.7E-02	0.63	7.5E-02	0.83	5.0E-02	0.56	7.0E-02	0.78	1.7E-01	1.9	3.1E-02	0.34	2.4E-02	0.27	9E-02
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+01
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E+00
Cs-136 (about 13 days)	Not Detectable	-	3.0E-03	0.01	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01

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

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

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)				Around South Discharge Channel of 1F ( approx. 330m south of 1-4u Discharge Channel)				Around North Discharge Channel of 2F ( Around 3,4u Discharge Channel) ( approx. 10 km from 1F )		Around Iwasawa Shore of 2F ( approx. 7 km south of 1,2u Discharge Channel) ( approx. 16 km from 1F )		Density limit by the announcement of Reactor Regulation (Bq/cm3) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	2011/05/12 8:50		2011//5/12 14:05:00		2011/05/12 8:30		2011//5/12 13:50:00		2011//5/12 8:45:00		2011//5/12 7:50:00	
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 ( / )	Density of Sample ( Bq/cm3)	Scaling Factor ( / )	Density of Sample ( Bq/cm3)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	7.9E-03	0.20	Not Detectable	-	Not Detectable	-	4.6E-03	0.12	Not Detectable	-	4E-02
Cs-134 (about 2 years)	7.5E-02	1.3	8.6E-02	1.4	5.5E-02	0.92	5.7E-02	0.95	2.5E-02	0.42	2.5E-02	0.42	6E-02
Cs-137 (about 30 years)	8.2E-02	0.91	8.6E-02	0.96	5.9E-02	0.66	7.2E-02	0.80	2.7E-02	0.30	2.6E-02	0.29	9E-02
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+01
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E+00
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01

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

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

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)				Around South Discharge Channel of 1F ( approx. 330m south of 1-4u Discharge Channel)				Around North Discharge Channel of 2F ( Around 3,4u Discharge Channel) ( approx. 10 km from 1F )		Around Iwasawa Shore of 2F ( approx. 7 km south of 1,2u Discharge Channel) ( approx. 16 km from 1F )		Density limit by the announcement of Reactor Regulation (Bq/cm3) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	2011/05/13 8:50		2011/05/13 14:00		2011/05/13 8:30		2011/05/13 13:40		2011//5/13 8:30:00		2011//5/13 7:50:00	
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 ( / )	Density of Sample ( Bq/cm3)	Scaling Factor ( / )	Density of Sample ( Bq/cm3)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	4.3E-03	0.11	7.6E-03	0.19	Not Detectable	-	Not Detectable	-	4E-02
Cs-134 (about 2 years)	7.8E-02	1.3	7.5E-02	1.3	7.1E-02	1.2	7.5E-02	1.3	2.8E-02	0.47	2.2E-02	0.37	6E-02
Cs-137 (about 30 years)	8.5E-02	0.94	6.7E-02	0.74	7.4E-02	0.82	6.2E-02	0.69	2.9E-02	0.32	2.5E-02	0.28	9E-02
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+01
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E+00
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01

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

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

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)				Around South Discharge Channel of 1F ( approx. 330m south of 1-4u Discharge Channel)				Around North Discharge Channel of 2F ( Around 3,4u Discharge Channel) ( approx. 10 km from 1F )		Around Iwasawa Shore of 2F ( approx. 7 km south of 1,2u Discharge Channel) ( approx. 16 km from 1F )		Density limit by the announcement of Reactor Regulation (Bq/cm3) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	2011/05/14 8:45		2011/05/14 14:15		2011/05/14 8:30		2011/05/14 13:55		2011//5/14 8:40:00		2011//5/14 7:55:00	
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	22	0.55	11	0.28	Not Detectable	-	Not Detectable	-	Not Detectable	-	6.9	0.17	40
Cs-134 (about 2 years)	150	2.5	120	2.0	71	1.2	65	1.1	32	0.53	34	0.57	60
Cs-137 (about 30 years)	140	1.6	120	1.3	82	0.91	66	0.73	42	0.47	26	0.29	90
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm3 」 .

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

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

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)				Around South Discharge Channel of 1F ( approx. 330m south of 1-4u Discharge Channel)				Around North Discharge Channel of 2F ( Around 3,4u Discharge Channel) ( approx. 10 km from 1F )		Around Iwasawa Shore of 2F ( approx. 7 km south of 1,2u Discharge Channel) ( approx. 16 km from 1F )		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	2011/05/15 9:05		2011/05/15 14:05		2011/05/15 8:45		2011/05/15 13:50		2011/05/15 8:30		2011/05/15 7:55	
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	13	0.33	Not Detectable	-	4.7	0.12	Not Detectable	-	Not Detectable	-	Not Detectable	-	40
Cs-134 (about 2 years)	100	1.7	68	1.1	66	1.1	65	1.1	34	0.57	36	0.60	60
Cs-137 (about 30 years)	100	1.1	79	0.88	68	0.76	68	0.76	22	0.24	38	0.42	90
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm<sup>3</sup> 」 .

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

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

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)				Around South Discharge Channel of 1F ( approx. 330m south of 1-4u Discharge Channel)				Around North Discharge Channel of 2F ( Around 3,4u Discharge Channel) ( approx. 10 km from 1F )		Around Iwasawa Shore of 2F ( approx. 7 km south of 1,2u Discharge Channel) ( approx. 16 km from 1F )		Density limit by the announcement of Reactor Regulation (Bq/cm3) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	2011/05/16 9:15		2011/05/16 14:10		2011/05/16 8:55		2011/05/16 13:55		2011/5/16 8:30		2011/5/16 7:55		
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	8.3	0.21	12	0.30	4.8	0.12	5.8	0.15	Not Detectable	-	Not Detectable	-	40
Cs-134 (about 2 years)	98	1.6	130	2.2	58	0.97	47	0.78	16	0.27	28	0.47	60
Cs-137 (about 30 years)	120	1.3	130	1.4	64	0.71	60	0.67	18	0.20	35	0.39	90
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm3 」 .

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

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

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)				Around South Discharge Channel of 1F ( approx. 330m south of 1-4u Discharge Channel)				Around North Discharge Channel of 2F ( Around 3,4u Discharge Channel) ( approx. 10 km from 1F )		Around Iwasawa Shore of 2F ( approx. 7 km south of 1,2u Discharge Channel) ( approx. 16 km from 1F )		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	2011/05/17 9:10		2011/05/17 14:20		2011/05/17 8:45		2011/05/17 14:00		2011/05/17 8:35		2011/05/17 7:55	
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	14	0.35	12	0.30	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40
Cs-134 (about 2 years)	130	2.2	93	1.6	53	0.88	43	0.72	19	0.32	26	0.43	60
Cs-137 (about 30 years)	140	1.6	110	1.2	53	0.59	36	0.40	18	0.20	27	0.30	90
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm<sup>3</sup> 」 .

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

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

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)				Around South Discharge Channel of 1F ( approx. 330m south of 1-4u Discharge Channel)				Around North Discharge Channel of 2F ( Around 3,4u Discharge Channel) ( approx. 10 km from 1F )		Around Iwasawa Shore of 2F ( approx. 7 km south of 1,2u Discharge Channel) ( approx. 16 km from 1F )		Density limit by the announcement of Reactor Regulation (Bq/cm3) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	2011/05/18 9:00		2011/05/18 14:05		2011/05/18 8:40		2011/05/18 13:45		2011/05/18 9:15		2011/05/18 7:55	
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	11	0.28	Not Detectable	-	Not Detectable	-	Not Detectable	-	40
Cs-134 (about 2 years)	75	1.3	80	1.3	110	1.8	81	1.4	27	0.45	21	0.35	60
Cs-137 (about 30 years)	68	0.76	82	0.91	110	1.2	74	0.82	25	0.28	21	0.23	90
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm3 」 .

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



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

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)				Around South Discharge Channel of 1F ( approx. 330m south of 1-4u Discharge Channel)				Around North Discharge Channel of 2F ( Around 3,4u Discharge Channel) ( approx. 10 km from 1F )		Around Iwasawa Shore of 2F ( approx. 7 km south of 1,2u Discharge Channel) ( approx. 16 km from 1F )		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	2011/05/19 9:30		2011/05/19 14:10		2011/05/19 8:50		2011/05/19 13:50		2011/05/19 8:40		2011/05/19 7:55	
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	15	0.38	Not Detectable	-	4.1	0.10	Not Detectable	-	Not Detectable	-	40
Cs-134 (about 2 years)	130	2.2	110	1.8	71	1.2	69	1.2	31	0.52	21	0.35	60
Cs-137 (about 30 years)	110	1.2	120	1.3	73	0.81	80	0.89	32	0.36	21	0.23	90
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm<sup>3</sup> 」 .

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

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

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)				Around South Discharge Channel of 1F ( approx. 330m south of 1-4u Discharge Channel)				Around North Discharge Channel of 2F ( Around 3,4u Discharge Channel) ( approx. 10 km from 1F )		Around Iwasawa Shore of 2F ( approx. 7 km south of 1,2u Discharge Channel) ( approx. 16 km from 1F )		Density limit by the announcement of Reactor Regulation (Bq/cm3) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	2011/05/20 9:05		2011/05/20 14:05		2011/05/20 8:40		2011/05/20 13:45		2011/05/20 8:55		2011/05/20 8:05	
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	14	0.35	7.9	0.20	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40
Cs-134 (about 2 years)	120	2.0	110	1.8	52	0.87	110	1.8	25	0.42	17	0.28	60
Cs-137 (about 30 years)	130	1.4	120	1.3	67	0.74	93	1.0	24	0.27	17	0.19	90
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm3 」 .

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

**【Definite Report】 Results of Nuclide Analysis of Seawater <Offshore 1/4>**

Place of Sampling	Minami Soma Offshore 15km		Ukedo-gawa Offshore 15km		1F NPS Offshore 15km		2F NPS Offshore 15km		Iwasawa shore Offshore 15km		Hirono Offshore 15km		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/9 10:20		2011/05/9 9:55		2011/05/9 9:05		2011/05/9 8:20		2011/05/9 9:30		2011/05/9 9:00		
Detected Nuclides (Half-life)	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-02
Cs-134 (about 2 years)	1.3E-02	0.22	Not Detectable	-	Not Detectable	-	1.5E-02	0.25	1.7E-02	0.28	9.7E-03	0.16	6E-02
Cs-137 (about 30 years)	1.8E-02	0.20	Not Detectable	-	Not Detectable	-	Not Detectable	-	1.3E-02	0.14	Not Detectable	-	9E-02
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	5.0E-02	0.01	Not Detectable	-	Not Detectable	-	1E+01
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E+00
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01

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

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

Place of Sampling	Haramachiku Offshore 3km		Kotakaku Offshore 3km		Iwamisawa shore Offshore 3km		Kotakaku Offshore 8km		Iwasawa shore Offshore 8km				Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/9 10:55		2011/05/9 11:10		2011/05/9 10:50		2011/05/9 11:25		2011/05/9 10:25				
Detected Nuclides (Half-life)	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			4E-02
Cs-134 (about 2 years)	2.0E-02	0.33	2.0E-02	0.33	1.5E-02	0.25	Not Detectable	-	Not Detectable	-			6E-02
Cs-137 (about 30 years)	Not Detectable	-	2.3E-02	0.26	1.4E-02	0.16	Not Detectable	-	Not Detectable	-			9E-02
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			4E+01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			4E+01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			3E-01
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			1E+01
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			2E-01
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			3E+00
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			3E-01
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			3E-01
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			4E-01

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

**【Definite Report】 Results of Nuclide Analysis of Seawater <Offshore 3/4>**

Place of Sampling	North Iwaki Offshore 3km Upper Layer		North Iwaki Offshore 3km Lower Layer		Natsui-gawa Offshore 3km Upper Layer		Natsui-gawa Offshore 3km Lower Layer		Onahama Port Offshore 3km Upper Layer		Onahama Port Offshore 3km Lower Layer		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/9 5:10		2011/05/9 5:10		2011/05/9 5:35		2011/05/9 5:35		2011/05/9 6:10		2011/05/9 6:20		
Detected Nuclides (Half-life)	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-02
Cs-134 (about 2 years)	Not Detectable	-	1.4E-02	0.23	Not Detectable	-	7.6E-03	0.13	Not Detectable	-	Not Detectable	-	6E-02
Cs-137 (about 30 years)	1.7E-02	0.19	1.2E-02	0.13	Not Detectable	-	5.8E-03	0.06	Not Detectable	-	Not Detectable	-	9E-02
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+01
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E+00
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01

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

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

Place of Sampling	Ena Offshore 3km Upper Layer		Ena Offshore 3km Lower Layer		Numanouchi Offshore 3km Upper Layer		Numanouchi Offshore 3km Lower Layer		Toyoma Offshore 3km Upper Layer		Toyoma Offshore 3km Lower Layer		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/9 6:40		2011/05/9 6:55		2011/05/9 5:45		2011/05/9 5:45		2011/05/9 6:00		2011/05/9 6:00		
Detected Nuclides (Half-life)	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-02
Cs-134 (about 2 years)	Not Detectable	-	5.4E-03	0.09	Not Detectable	-	5.9E-03	0.10	Not Detectable	-	5.3E-03	0.09	6E-02
Cs-137 (about 30 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	5.4E-03	0.06	9E-02
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	4.7E-02	0.00	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+01
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E+00
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01

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

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

Place of Sampling	Minami Soma Offshore 15km		Ukedo-gawa Offshore 15km		1F NPS Offshore 15km		2F NPS Offshore 15km		Iwasawa shore Offshore 15km		Hirono Offshore 15km		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/10 9:40		2011/05/10 10:10		2011/05/10 9:40		2011/05/10 9:05		2011/05/10 8:30		2011/05/10 7:55		
Detected Nuclides (Half-life)	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	7.4E-03	0.19	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-02
Cs-134 (about 2 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	6E-02
Cs-137 (about 30 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	9E-02
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+01
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E+00
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01

. E - means . × 1 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.

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

Place of Sampling	Haramachiku Offshore 3km		Kotakaku Offshore 3km		Iwamisawa shore Offshore 3km		Kotakaku Offshore 8km		Iwasawa shore Offshore 8km				Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/10 10:15		2011/05/10 10:35		2011/05/10 10:50		2011/05/10 10:50		2011/05/10 9:50				
Detected Nuclides (Half-life)	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	3.5E-03	0.09	Not Detectable	-			4E-02
Cs-134 (about 2 years)	1.4E-02	0.23	1.8E-02	0.30	1.3E-02	0.22	1.7E-02	0.28	1.2E-02	0.20			6E-02
Cs-137 (about 30 years)	1.9E-02	0.21	1.8E-02	0.20	1.7E-02	0.19	2.0E-02	0.22	1.3E-02	0.14			9E-02
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			4E+01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			4E+01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			3E-01
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			1E+01
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			2E-01
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			3E+00
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			3E-01
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			3E-01
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			4E-01

. E - means . × 1 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.



**【Definite Report】 Results of Nuclide Analysis of Seawater <Offshore 1/4>**

Place of Sampling	Minami Soma Offshore 15km		Ukedo-gawa Offshore 15km		1F NPS Offshore 15km		2F NPS Offshore 15km		Iwasawa shore Offshore 15km		Hirono Offshore 15km		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/12 Not Sampled		2011/05/12 Not Sampled		2011/05/12 Not Sampled		2011/05/12 Not Sampled		2011/05/12 Not Sampled		2011/05/12 Not Sampled		
Detected Nuclides (Half-life)	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	
I-131 (about 8 days)													4E-02
Cs-134 (about 2 years)													6E-02
Cs-137 (about 30 years)													9E-02
Mo-99 ( about 66 hours )													4E+01
Tc-99m (about 6 hours)													4E+01
Te-129m (about 34 days)													3E-01
Te-129 ( about 70 minutes )													1E+01
Te-132 (about 3 days)													2E-01
I-132 (about 2 hours)													3E+00
Cs-136 (about 13 days)													3E-01
Ba-140 ( about 13 days )													3E-01
La-140 ( about 2 days )													4E-01

. E - means . × 1 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.

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

Place of Sampling	Haramachiku Offshore 3km		Kotakaku Offshore 3km		Iwamisawa shore Offshore 3km		Kotakaku Offshore 8km		Iwasawa shore Offshore 8km				Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/12 Not Sampled		2011/05/12 Not Sampled		2011/05/12 Not Sampled		2011/05/12 Not Sampled		2011/05/12 Not Sampled				
Detected Nuclides (Half-life)	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	
I-131 (about 8 days)													4E-02
Cs-134 (about 2 years)													6E-02
Cs-137 (about 30 years)													9E-02
Mo-99 ( about 66 hours )													4E+01
Tc-99m (about 6 hours)													4E+01
Te-129m (about 34 days)													3E-01
Te-129 ( about 70 minutes )													1E+01
Te-132 (about 3 days)													2E-01
I-132 (about 2 hours)													3E+00
Cs-136 (about 13 days)													3E-01
Ba-140 ( about 13 days )													3E-01
La-140 ( about 2 days )													4E-01

. E - means . × 1 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.

**【Definite Report】 Results of Nuclide Analysis of Seawater <Offshore 3/4>**

Place of Sampling	North Iwaki Offshore 3km Upper Layer		North Iwaki Offshore 3km Lower Layer		Natsui-gawa Offshore 3km Upper Layer		Natsui-gawa Offshore 3km Lower Layer		Onahama Port Offshore 3km Upper Layer		Onahama Port Offshore 3km Lower Layer		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/12 6:45		2011/05/12 6:45		2011/05/12 6:25		2011/05/12 6:25		2011/05/12 6:10		2011/05/12 Not Sampled		
Detected Nuclides (Half-life)	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			4E-02
Cs-134 (about 2 years)	7.2E-03	0.12	1.1E-02	0.18	4.9E-03	0.08	5.9E-03	0.10	3.2E-03	0.05			6E-02
Cs-137 (about 30 years)	7.9E-03	0.09	7.7E-03	0.09	5.2E-03	0.06	8.2E-03	0.09	3.7E-03	0.04			9E-02
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			4E+01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			4E+01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			3E-01
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			1E+01
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			2E-01
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			3E+00
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			3E-01
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			3E-01
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			4E-01

. E - means . × 1 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.

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

Place of Sampling	Ena Offshore 3km Upper Layer		Ena Offshore 3km Lower Layer		Numanouchi Offshore 3km Upper Layer		Numanouchi Offshore 3km Lower Layer		Toyoma Offshore 3km Upper Layer		Toyoma Offshore 3km Lower Layer		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/12 Not Sampled		2011/05/12 Not Sampled		2011/05/12 6:15		2011/05/12 6:15		2011/05/12 5:55		2011/05/12 5:55		
Detected Nuclides (Half-life)	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	
I-131 (about 8 days)	/	/	/	/	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-02
Cs-134 (about 2 years)	/	/	/	/	8.9E-03	0.15	6.2E-03	0.10	Not Detectable	-	Not Detectable	-	6E-02
Cs-137 (about 30 years)	/	/	/	/	1.2E-02	0.13	4.6E-03	0.05	Not Detectable	-	6.0E-03	0.07	9E-02
Mo-99 ( about 66 hours )	/	/	/	/	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Tc-99m (about 6 hours)	/	/	/	/	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Te-129m (about 34 days)	/	/	/	/	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Te-129 ( about 70 minutes )	/	/	/	/	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+01
Te-132 (about 3 days)	/	/	/	/	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
I-132 (about 2 hours)	/	/	/	/	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E+00
Cs-136 (about 13 days)	/	/	/	/	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Ba-140 ( about 13 days )	/	/	/	/	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 ( about 2 days )	/	/	/	/	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01

. E - means . × 1 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.

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

Place of Sampling	North Iwaki Offshore 3km Upper Layer		North Iwaki Offshore 3km Lower Layer		Natsui-gawa Offshore 3km Upper Layer		Natsui-gawa Offshore 3km Lower Layer		Onahama Port Offshore 3km Upper Layer		Onahama Port Offshore 3km Lower Layer		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	Not eligible		Not eligible		Not eligible		Not eligible		2011/05/13 6:10		2011/05/13 6:10		
Detected Nuclides (Half-life)	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	
I-131 (about 8 days)	/	/	/	/	/	/	/	/	Not Detectable	-	Not Detectable	-	4E-02
Cs-134 (about 2 years)	/	/	/	/	/	/	/	/	Not Detectable	-	Not Detectable	-	6E-02
Cs-137 (about 30 years)	/	/	/	/	/	/	/	/	Not Detectable	-	5.4E-03	0.06	9E-02
Mo-99 ( about 66 hours )	/	/	/	/	/	/	/	/	Not Detectable	-	Not Detectable	-	4E+01
Tc-99m (about 6 hours)	/	/	/	/	/	/	/	/	Not Detectable	-	Not Detectable	-	4E+01
Te-129m (about 34 days)	/	/	/	/	/	/	/	/	Not Detectable	-	Not Detectable	-	3E-01
Te-129 ( about 70 minutes )	/	/	/	/	/	/	/	/	Not Detectable	-	Not Detectable	-	1E+01
Te-132 (about 3 days)	/	/	/	/	/	/	/	/	Not Detectable	-	Not Detectable	-	2E-01
I-132 (about 2 hours)	/	/	/	/	/	/	/	/	Not Detectable	-	Not Detectable	-	3E+00
Cs-136 (about 13 days)	/	/	/	/	/	/	/	/	Not Detectable	-	Not Detectable	-	3E-01
Ba-140 ( about 13 days )	/	/	/	/	/	/	/	/	Not Detectable	-	Not Detectable	-	3E-01
La-140 ( about 2 days )	/	/	/	/	/	/	/	/	Not Detectable	-	Not Detectable	-	4E-01

. E - means . × 1 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.

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

Place of Sampling	Ena Offshore 3km Upper Layer		Ena Offshore 3km Lower Layer		Numanouchi Offshore 3km Upper Layer		Numanouchi Offshore 3km Lower Layer		Toyoma Offshore 3km Upper Layer		Toyoma Offshore 3km Lower Layer		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/13 6:40		2011/05/13 6:40		Not eligible		Not eligible		Not eligible		Not eligible		
Detected Nuclides (Half-life)	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	/	/	/	/	/	/	/	/	4E-02
Cs-134 (about 2 years)	Not Detectable	-	Not Detectable	-	/	/	/	/	/	/	/	/	6E-02
Cs-137 (about 30 years)	Not Detectable	-	Not Detectable	-	/	/	/	/	/	/	/	/	9E-02
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	/	/	/	/	/	/	/	/	4E+01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	/	/	/	/	/	/	/	/	4E+01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	/	/	/	/	/	/	/	/	3E-01
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	/	/	/	/	/	/	/	/	1E+01
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	/	/	/	/	/	/	/	/	2E-01
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	/	/	/	/	/	/	/	/	3E+00
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	/	/	/	/	/	/	/	/	3E-01
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	/	/	/	/	/	/	/	/	3E-01
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	/	/	/	/	/	/	/	/	4E-01

. E - means . × 1 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.

**【Definite Report】 Results of Nuclide Analysis of Seawater <Offshore 1/3>**

Place of Sampling	Minami Soma Offshore 15km		Ukedo-gawa Offshore 15km		1F NPS Offshore 15km		2F NPS Offshore 15km		Iwasawa shore Offshore 15km		Hirono Offshore 15km		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/15 8:45		2011/05/15 10:10		2011/05/15 8:40		2011/05/15 9:10		2011/05/15 8:25		2011/05/15 7:55		
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40
Cs-134 (about 2 years)	Not Detectable	-	9.7	0.16	7.3	0.12	16	0.27	5.0	0.08	6.5	0.11	60
Cs-137 (about 30 years)	Not Detectable	-	7.9	0.09	5.3	0.06	13	0.14	Not Detectable	-	9.0	0.10	90
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm<sup>3</sup> 」 .

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

Sampling was made from Upper layer unless otherwise stated in Place of Sampling. .

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

Place of Sampling	Haramachiku Offshore 3km Upper Layer		Haramachiku Offshore 3km Lower Layer		Kotakaku Offshore 3km Upper Layer		Kotakaku Offshore 3km Lower Layer		Iwasawa shore Offshore 3km Upper Layer		Iwasawa shore Offshore 3km Lower Layer		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	2011/05/15 9:20	2011/05/15 9:20	2011/05/15 9:40	2011/05/15 9:40	2011/05/15 7:20	2011/05/15 7:30						
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40
Cs-134 (about 2 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	16	0.27	15	0.25	60
Cs-137 (about 30 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	17	0.19	12	0.13	90
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm<sup>3</sup> 」 .

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

Sampling was made from Upper layer unless otherwise stated in Place of Sampling. .



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

Place of Sampling	Kotakaku Offshore 8km Upper Layer		Kotakaku Offshore 8km Lower Layer		Iwasawa shore Offshore 8km Upper Layer		Iwasawa shore Offshore 8km Lower Layer						Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	2011/05/15 10:00	2011/05/15 10:00	2011/05/15 10:00	2011/05/15 11:35	2011/05/15 11:35	2011/05/15 11:35	2011/05/15 11:35	Density of Sample (Bq/L)	Scaling Factor ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-					40
Cs-134 (about 2 years)	Not Detectable	-	Not Detectable	-	6.5	0.11	9.3	0.16					60
Cs-137 (about 30 years)	Not Detectable	-	Not Detectable	-	7.7	0.09	6.0	0.07					90
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-					40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-					40,000
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-					300
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-					10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-					200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-					3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-					300
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-					300
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-					400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm<sup>3</sup> 」 .

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

Sampling was made from Upper layer unless otherwise stated in Place of Sampling. .

**【Definite Report】 Results of Nuclide Analysis of Seawater <Offshore 1/4>**

Place of Sampling	Minami Soma Offshore 15km		Ukedo-gawa Offshore 15km		1F NPS Offshore 15km		2F NPS Offshore 15km		Iwasawa shore Offshore 15km		Hirono Offshore 15km		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/16 9:40		2011/05/16 9:15		2011/05/16 8:40		2011/05/16 9:15		2011/05/16 8:35		2011/05/16 8:10		
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40
Cs-134 (about 2 years)	5.1	0.09	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	60
Cs-137 (about 30 years)	9.7	0.11	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	90
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm<sup>3</sup> 」 .

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

Sampling was made from Upper layer unless otherwise stated in Place of Sampling. .

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

Place of Sampling	Haramachiku Offshore 3km		Kotakaku Offshore 3km		Iwamisawa shore Offshore 3km		Kotakaku Offshore 8km		Iwasawa shore Offshore 8km				Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/16 10:20		2011/05/16 10:35		2011/05/16 10:15		2011/05/16 11:00		2011/05/16 9:45				
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			40
Cs-134 (about 2 years)	Not Detectable	-	Not Detectable	-	11	0.18	5.9	0.10	Not Detectable	-			60
Cs-137 (about 30 years)	Not Detectable	-	Not Detectable	-	11	0.12	Not Detectable	-	5.0	0.06			90
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			40,000
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			300
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			300
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			300
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm<sup>3</sup> 」 .

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

Sampling was made from Upper layer unless otherwise stated in Place of Sampling. .

## 【Definite Report】 Results of Nuclide Analysis of Seawater <Offshore 3/4>

Place of Sampling	North Iwaki Offshore 3km Upper Layer		North Iwaki Offshore 3km Lower Layer		Natsui-gawa Offshore 3km Upper Layer		Natsui-gawa Offshore 3km Lower Layer		Onahama Port Offshore 3km Upper Layer		Onahama Port Offshore 3km Lower Layer		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/16 6:25		2011/05/16 6:25		2011/05/16 6:00		2011/05/16 6:00		2011/05/16 6:00		2011/05/16 6:00		
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40
Cs-134 (about 2 years)	14	0.23	Not Detectable	-	9.1	0.15	Not Detectable	-	Not Detectable	-	Not Detectable	-	60
Cs-137 (about 30 years)	15	0.17	Not Detectable	-	6.9	0.08	Not Detectable	-	Not Detectable	-	Not Detectable	-	90
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm<sup>3</sup> 」 .

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

Sampling was made from Upper layer unless otherwise stated in Place of Sampling. .

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

Place of Sampling	Ena Offshore 3km Upper Layer		Ena Offshore 3km Lower Layer		Numanouchi Offshore 3km Upper Layer		Numanouchi Offshore 3km Lower Layer		Toyoma Offshore 3km Upper Layer		Toyoma Offshore 3km Lower Layer		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/16 6:20		2011/05/16 6:20		2011/05/16 5:50		2011/05/16 5:50		2011/05/16 5:35		2011/05/16 5:35		
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40
Cs-134 (about 2 years)	Not Detectable	-	Not Detectable	-	5.7	0.10	Not Detectable	-	3.7	0.06	Not Detectable	-	60
Cs-137 (about 30 years)	Not Detectable	-	Not Detectable	-	7.5	0.08	Not Detectable	-	5.5	0.06	Not Detectable	-	90
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm<sup>3</sup> 」 .

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

Sampling was made from Upper layer unless otherwise stated in Place of Sampling. .

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

Place of Sampling	Minami Soma Offshore 15km		Ukedo-gawa Offshore 15km		1F NPS Offshore 15km		2F NPS Offshore 15km		Iwasawa shore Offshore 15km		Hirono Offshore 15km		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/18 9:50		2011/05/18 9:25		2011/05/18 8:40		2011/05/18 8:45		2011/05/18 8:10		2011/05/18 7:50		
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40
Cs-134 (about 2 years)	15	0.25	Not Detectable	-	17	0.28	14	0.23	Not Detectable	-	14	0.23	60
Cs-137 (about 30 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	90
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	99	0.33	Not Detectable	-	300
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm<sup>3</sup> 」 .

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

Sampling was made from Upper layer unless otherwise stated in Place of Sampling. .

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

Place of Sampling	Haramachiku Offshore 3km		Kotakaku Offshore 3km		Iwamisawa shore Offshore 3km		Kotakaku Offshore 8km		Iwasawa shore Offshore 8km				Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/18 10:25		2011/05/18 10:40		2011/05/18 9:45		2011/05/18 11:00		2011/05/18 9:20				
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			40
Cs-134 (about 2 years)	29	0.48	23	0.38	14	0.23	17	0.28	7.6	0.13			60
Cs-137 (about 30 years)	22	0.24	19	0.21	9.1	0.10	19	0.21	6.2	0.07			90
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			40,000
Te-129m (about 34 days)	110	0.37	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			300
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			300
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			300
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm<sup>3</sup> 」 .

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

Sampling was made from Upper layer unless otherwise stated in Place of Sampling. .

**【Definite Report】 Results of Nuclide Analysis of Seawater <Offshore 1/4>**

Place of Sampling	Minami Soma Offshore 15km		Ukedo-gawa Offshore 15km		1F NPS Offshore 15km		2F NPS Offshore 15km		Iwasawa shore Offshore 15km		Hirono Offshore 15km		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/19 Not Sampled		2011/05/19 Not Sampled		2011/05/19 8:30		2011/05/19 8:05		2011/05/19 Not Sampled		2011/05/19 Not Sampled		
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)					Not Detectable	-	Not Detectable	-					40
Cs-134 (about 2 years)					Not Detectable	-	Not Detectable	-					60
Cs-137 (about 30 years)					Not Detectable	-	Not Detectable	-					90
Mo-99 ( about 66 hours )					Not Detectable	-	Not Detectable	-					40,000
Tc-99m (about 6 hours)					Not Detectable	-	Not Detectable	-					40,000
Te-129m (about 34 days)					Not Detectable	-	Not Detectable	-					300
Te-129 ( about 70 minutes )					Not Detectable	-	Not Detectable	-					10,000
Te-132 (about 3 days)					Not Detectable	-	Not Detectable	-					200
I-132 (about 2 hours)					Not Detectable	-	Not Detectable	-					3,000
Cs-136 (about 13 days)					Not Detectable	-	Not Detectable	-					300
Ba-140 ( about 13 days )					Not Detectable	-	Not Detectable	-					300
La-140 ( about 2 days )					Not Detectable	-	Not Detectable	-					400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm<sup>3</sup> 」 .

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

Sampling was made from Upper layer unless otherwise stated in Place of Sampling. .



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

Place of Sampling	Haramachiku Offshore 3km		Kotakaku Offshore 3km		Iwamisawa shore Offshore 3km		Kotakaku Offshore 8km		Iwasawa shore Offshore 8km				Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/19 Not Sampled		2011/05/19 Not Sampled		2011/05/19 Not Sampled		2011/05/19 Not Sampled		2011/05/19 Not Sampled				
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)													40
Cs-134 (about 2 years)													60
Cs-137 (about 30 years)													90
Mo-99 ( about 66 hours )													40,000
Tc-99m (about 6 hours)													40,000
Te-129m (about 34 days)													300
Te-129 ( about 70 minutes )													10,000
Te-132 (about 3 days)													200
I-132 (about 2 hours)													3,000
Cs-136 (about 13 days)													300
Ba-140 ( about 13 days )													300
La-140 ( about 2 days )													400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm<sup>3</sup> 」 .

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

Sampling was made from Upper layer unless otherwise stated in Place of Sampling. .

**【Definite Report】 Results of Nuclide Analysis of Seawater <Offshore 3/4>**

Place of Sampling	North Iwaki Offshore 3km Upper Layer		North Iwaki Offshore 3km Lower Layer		Natsui-gawa Offshore 3km Upper Layer		Natsui-gawa Offshore 3km Lower Layer		Onahama Port Offshore 3km Upper Layer		Onahama Port Offshore 3km Lower Layer		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/19 4:55		2011/05/19 4:55		2011/05/19 5:25		2011/05/19 5:25		2011/05/19 6:10		2011/05/19 6:10		
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40
Cs-134 (about 2 years)	18	0.30	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	60
Cs-137 (about 30 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	90
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm<sup>3</sup> 」 .

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

Sampling was made from Upper layer unless otherwise stated in Place of Sampling. .

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

Place of Sampling	Ena Offshore 3km Upper Layer		Ena Offshore 3km Lower Layer		Numanouchi Offshore 3km Upper Layer		Numanouchi Offshore 3km Lower Layer		Toyoma Offshore 3km Upper Layer		Toyoma Offshore 3km Lower Layer		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/19 7:00		2011/05/19 7:00		2011/05/19 5:40		2011/05/19 5:40		2011/05/19 6:00		2011/05/19 6:00		
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40
Cs-134 (about 2 years)	Not Detectable	-	4.6	0.08	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	60
Cs-137 (about 30 years)	Not Detectable	-	6.6	0.07	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	90
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm<sup>3</sup> 」 .

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

Sampling was made from Upper layer unless otherwise stated in Place of Sampling. .

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

Place of Sampling	Minami Soma Offshore 15km		Ukedo-gawa Offshore 15km		1F NPS Offshore 15km		2F NPS Offshore 15km		Iwasawa shore Offshore 15km		Hirono Offshore 15km		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/20 8:25		2011/05/20 8:05		2011/05/20 8:45		2011/05/20 8:15		2011/05/20 7:50		2011/05/20 7:20		
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40
Cs-134 (about 2 years)	4.3	0.07	4.5	0.08	5.7	0.10	Not Detectable	-	11	0.18	Not Detectable	-	60
Cs-137 (about 30 years)	7.5	0.08	5.4	0.06	Not Detectable	-	Not Detectable	-	12	0.13	Not Detectable	-	90
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	400

Density Limit by the announcement of Reactor Regulation were calculated to 「 Bq/L 」 shown in 「 Bq/cm<sup>3</sup> 」 .

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

Sampling was made from Upper layer unless otherwise stated in Place of Sampling. .

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

Place of Sampling	Haramachiku Offshore 3km		Kotakaku Offshore 3km		Iwamisawa shore Offshore 3km		Kotakaku Offshore 8km		Iwasawa shore Offshore 8km				Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/05/20 8:55		2011/05/20 9:05		2011/05/20 10:05		2011/05/20 9:25		2011/05/20 9:45				
Detected Nuclides (Half-life)	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	Density of Sample ( Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			40
Cs-134 (about 2 years)	16	0.27	9.0	0.15	14	0.23	14	0.23	Not Detectable	-			60
Cs-137 (about 30 years)	Not Detectable	-	7.1	0.08	13	0.14	Not Detectable	-	Not Detectable	-			90
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			40,000
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			300
Te-129 ( about 70 minutes )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			300
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			300
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-			400

Density Limit by the announcement of Reactor Regulation were calculated to 「Bq/L」 shown in 「Bq/cm<sup>3</sup>」.

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

Sampling was made from Upper layer unless otherwise stated in Place of Sampling.

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

Place of Collection	Shallow Draft Quay of 1F		Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Inside the south of 1F's Unit 1-4 Water Intake Canal		Inside north water intake canal of 1F's Unit 1-4		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/8 6:30 AM		2011/5/8 6:55 AM		2011/5/8 7:00 AM		2011/5/8 7:05 AM		2011/5/8 6:43 AM	
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	2.2E-01	5.5	5.6E+00	140	2.1E+00	53	1.2E+00	30	2.2E+00	55	4E-02
Cs-134 (about 2 years)	3.5E-01	5.8	4.9E+00	82	1.7E+00	28	6.1E+00	100	1.8E+00	30	6E-02
Cs-137 (about 30 years)	3.9E-01	4.3	5.1E+00	57	1.7E+00	19	6.5E+00	72	1.9E+00	21	9E-02
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Cs-136 (about 13 days)	Not Detectable	-	6.5E-02	0.22	2.2E-02	0.07	8.1E-02	0.27	2.2E-02	0.07	3E-01
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 (about 2 days)	Not Detectable	-	3.2E-02	0.08	1.8E-02	0.05	7.6E-02	0.19	Not Detectable	-	4E-01

. E - means . x 10<sup>-</sup>

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

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

Place of Collection	Shallow Draft Quay of 1F		Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Inside the south of 1F's Unit 1-4 Water Intake Canal		Inside north water intake canal of 1F's Unit 1-4		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/9 6:42 AM		2011/5/9 7:05 AM		2011/5/9 7:00 AM		2011/5/9 7:10 AM		2011/5/9 6:50 AM	
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	1.3E-01	3.3	4.6E+00	120	2.1E+00	53	1.5E+00	38	1.8E+00	45	4E-02
Cs-134 (about 2 years)	2.8E-01	4.7	6.1E+00	100	1.4E+00	23	1.6E+00	27	1.3E+00	22	6E-02
Cs-137 (about 30 years)	2.8E-01	3.1	6.4E+00	71	1.5E+00	17	1.5E+00	17	1.4E+00	16	9E-02
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Cs-136 (about 13 days)	Not Detectable	-	6.8E-02	0.23	2.3E-02	0.08	Not Detectable	-	Not Detectable	-	3E-01
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 (about 2 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1.2E-02	0.03	Not Detectable	-	4E-01

. E - means . x 10<sup>-</sup>

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

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

Place of Collection	Shallow Draft Quay of 1F		Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Inside the south of 1F's Unit 1-4 Water Intake Canal		Inside north water intake canal of 1F's Unit 1-4		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/10 6:35 AM		2011/5/10 6:55 AM		2011/5/10 7:00 AM		2011/5/10 7:10 AM		2011/5/10 6:47 AM	
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	2.5E-01	6.3	6.7E+00	170	2.1E+00	53	1.5E-01	3.8	1.6E+00	40	4E-02
Cs-134 (about 2 years)	4.1E-01	6.8	4.9E+00	82	1.3E+00	22	3.3E-01	5.5	1.1E+00	18	6E-02
Cs-137 (about 30 years)	4.2E-01	4.7	5.0E+00	56	1.4E+00	16	3.0E-01	3.3	1.2E+00	13	9E-02
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Cs-136 (about 13 days)	Not Detectable	-	4.8E-02	0.16	1.4E-02	0.05	Not Detectable	-	Not Detectable	-	3E-01
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 (about 2 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01

. E - means . x 10<sup>-</sup>

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.



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

Place of Collection	Shallow Draft Quay of 1F		Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Inside the south of 1F's Unit 1-4 Water Intake Canal		Inside north water intake canal of 1F's Unit 1-4		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/11 6:37 AM		2011/5/11 6:55 AM		2011/5/11 7:05 AM		2011/5/11 7:14 AM		2011/5/11 6:50 AM	
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	2.0E-01	5.0	3.3E+01	830	3.9E+00	98	2.0E+00	50	2.5E+00	63	4E-02
Cs-134 (about 2 years)	4.2E-01	7.0	5.2E+00	87	3.0E+00	50	1.3E+01	220	1.6E+00	27	6E-02
Cs-137 (about 30 years)	4.3E-01	4.8	5.6E+00	62	3.1E+00	34	1.3E+01	140	1.6E+00	18	9E-02
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Cs-136 (about 13 days)	Not Detectable	-	5.1E-02	0.17	3.9E-02	0.13	1.5E-01	0.50	1.8E-02	0.06	3E-01
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 (about 2 days)	Not Detectable	-	Not Detectable	-	4.7E-02	0.12	2.3E-01	0.58	Not Detectable	-	4E-01

. E - means . x 10<sup>-</sup>

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

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

Place of Collection	Shallow Draft Quay of 1F		Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Inside the south of 1F's Unit 1-4 Water Intake Canal		Inside north water intake canal of 1F's Unit 1-4		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/11 6:05 PM		2011/5/11 5:52 PM		2011/5/11 5:48 PM		2011/5/11 5:55 PM		2011/5/11 5:45 PM	
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	3.0E-01	7.5	7.3E+01	1,800	3.8E+00	95	6.8E+00	170	2.7E+00	68	4E-02
Cs-134 (about 2 years)	6.2E-01	10	1.0E+01	170	1.2E+01	200	4.6E+01	770	8.6E+00	140	6E-02
Cs-137 (about 30 years)	6.8E-01	7.6	1.2E+01	130	1.4E+01	160	4.9E+01	540	9.2E+00	100	9E-02
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	4.6E-01	1.5	7.8E-02	0.26	3E-01
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	1.4E+00	4.7	Not Detectable	-	3E-01
La-140 (about 2 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	8.7E-01	2.2	1.3E-01	0.33	4E-01

. E - means . x 10<sup>-</sup>

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

【Definite Report】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; Unit 3 screen and the pit

Place of Collection	Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 3 (outside the silt fence)		Screen room of 1F's Unit 3 inside the south pit						Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	
Time and date of sample collection	2011/5/11 2:30 PM		2011/5/11 2:35 PM		2011/5/11 1:30 PM						
Detected nuclide (half-life)	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	1.9E+02	4,800	9.6E+01	2,400	3.4E+03	85,000					4E-02
Cs-134 (about 2 years)	1.9E+03	32,000	1.1E+03	18,000	3.7E+04	620,000					6E-02
Cs-137 (about 30 years)	2.0E+03	22,000	1.1E+03	12,000	3.9E+04	430,000					9E-02
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-					1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-					2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-					4E+01
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	4.1E+02	1,400					3E-01
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	9.1E+02	3,000					3E-01
La-140 (about 2 days)	4.7E+01	120	2.1E+01	50	8.4E+02	2,100					4E-01

. E - means . x 10<sup>-</sup>

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

【Definite Report】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <1/3>

Place of Collection	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Unit 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/12 6:55 AM	2011/5/12 7:09 AM	2011/5/12 6:20 AM	2011/5/12 6:15 AM	2011/5/12 7:18 AM					
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	1.6E-01	4.0	3.0E+00	75	3.1E+00	78	2.2E+00	55	4.1E+00	100	4E-02
Cs-134 (about 2 years)	3.7E-01	6.2	1.2E+01	200	1.2E+01	200	7.9E+00	130	1.4E+01	230	6E-02
Cs-137 (about 30 years)	3.6E-01	4.0	1.3E+01	140	1.3E+01	140	8.5E+00	94	1.5E+01	170	9E-02
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Cs-136 (about 13 days)	Not Detectable	-	1.3E-01	0.43	1.2E-01	0.40	8.1E-02	0.27	1.4E-01	0.47	3E-01
Ba-140 (about 13 days)	Not Detectable	-	3.4E-01	1.1	3.0E-01	1.0	Not Detectable	-	3.9E-01	1.3	3E-01
La-140 (about 2 days)	Not Detectable	-	1.9E-01	0.48	2.0E-01	0.50	1.4E-01	0.35	2.4E-01	0.60	4E-01

. E - means . x 10<sup>-</sup>

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

**【Definite Report】** The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <2/3>

Place of Collection	Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection										
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	3.1E+01	780	6.0E+00	150	1.0E+02	2,500	5.2E+00	130	3.4E+00	85	4E-02
Cs-134 (about 2 years)	1.0E+01	170	3.8E+01	630	1.2E+03	20,000	2.9E+01	480	2.4E+01	400	6E-02
Cs-137 (about 30 years)	1.1E+01	120	4.0E+01	440	1.2E+03	13,000	3.0E+01	330	2.5E+01	280	9E-02
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Cs-136 (about 13 days)	1.0E-01	0.33	3.7E-01	1.2	1.4E+01	47	2.9E-01	1.0	2.2E-01	0.73	3E-01
Ba-140 (about 13 days)	Not Detectable	-	8.0E-01	2.7	Not Detectable	-	7.8E-01	2.6	4.6E-01	1.5	3E-01
La-140 (about 2 days)	1.2E-01	0.30	6.2E-01	1.6	2.2E+01	55	4.4E-01	1.1	3.8E-01	1.0	4E-01

. E - means . x 10<sup>-</sup>

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

【Definite Report】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <3/3>

Place of Collect	Inside the south of 1F's Unit 1-4 Water Intake Canal										
	Time and date of sample collection	2011/5/12 7:37 AM									
Detected nuclide (half-life)		Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )
	I-131 (about 8 days)	2.6E+00	65								
Cs-134 (about 2 years)	1.7E+01	280									6E-02
Cs-137 (about 30 years)	1.7E+01	190									9E-02
Mn-54 (about 313 days)	Not Detectable	-									1E+00
Co-60 (about 5 years)	Not Detectable	-									2E-01
Tc-99m (about 6 hours)	Not Detectable	-									4E+01
Cs-136 (about 13 days)	1.6E-01	0.53									3E-01
Ba-140 (about 13 days)	4.3E-01	1.4									3E-01
La-140 (about 2 days)	2.7E-01	0.68									4E-01

. E - means . x 10<sup>-</sup>

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

【Definite Report】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <1/3>

Place of Collection	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Unit 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/13 6:28 AM	2011/5/13 6:38 AM	2011/5/13 6:50 AM	2011/5/13 6:50 AM	2011/5/13 7:02 AM					
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	4.9E-02	1.2	3.4E+00	85	5.2E+00	130	5.1E+00	130	4.9E+00	120	4E-02
Cs-134 (about 2 years)	1.6E-01	2.7	2.0E+01	330	3.1E+01	520	3.1E+01	520	3.0E+01	500	6E-02
Cs-137 (about 30 years)	1.7E-01	1.9	2.1E+01	230	3.2E+01	360	3.2E+01	360	3.2E+01	360	9E-02
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Cs-136 (about 13 days)	Not Detectable	-	2.0E-01	0.67	3.2E-01	1.1	3.0E-01	1.0	2.6E-01	0.87	3E-01
Ba-140 (about 13 days)	Not Detectable	-	4.1E-01	1.4	8.1E-01	2.7	6.8E-01	2.3	5.6E-01	1.9	3E-01
La-140 (about 2 days)	Not Detectable	-	3.0E-01	0.75	4.5E-01	1.1	4.9E-01	1.2	4.9E-01	1.2	4E-01

. E - means . x 10<sup>-</sup>

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

【Definite Report】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <2/3>

Place of Collection	Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/13 7:02 AM		2011/5/13 7:08 AM		2011/5/13 7:08 AM		2011/5/13 7:14 AM		2011/5/13 7:14 AM	
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	2.1E+01	530	4.7E+00	120	2.6E+01	650	4.6E+00	120	2.9E+00	73	4E-02
Cs-134 (about 2 years)	1.7E+01	280	2.9E+01	480	3.7E+02	6,200	2.8E+01	470	1.8E+01	300	6E-02
Cs-137 (about 30 years)	1.8E+01	200	3.0E+01	330	3.7E+02	4,100	2.9E+01	320	1.8E+01	200	9E-02
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Cs-136 (about 13 days)	1.5E-01	0.50	2.6E-01	0.87	Not Detectable	-	2.6E-01	0.87	1.7E-01	0.57	3E-01
Ba-140 (about 13 days)	3.6E-01	1.2	7.6E-01	2.5	Not Detectable	-	8.7E-01	2.9	4.2E-01	1.4	3E-01
La-140 (about 2 days)	2.4E-01	0.6	4.7E-01	1.2	Not Detectable	-	4.7E-01	1.2	2.4E-01	0.60	4E-01

. E - means . x 10<sup>-</sup>

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.



【Definite Report】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <3/3>

Place of Collect	Inside the south of 1F's Unit 1-4 Water Intake Canal										
	Time and date of sample collection	2011/5/13 7:20 AM									
Detected nuclide (half-life)		Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )
	I-131 (about 8 days)	9.2E-02	2.3								
Cs-134 (about 2 years)	3.6E-01	6.0									6E-02
Cs-137 (about 30 years)	3.6E-01	4.0									9E-02
Mn-54 (about 313 days)	Not Detectable	-									1E+00
Co-60 (about 5 years)	Not Detectable	-									2E-01
Tc-99m (about 6 hours)	Not Detectable	-									4E+01
Cs-136 (about 13 days)	Not Detectable	-									3E-01
Ba-140 (about 13 days)	Not Detectable	-									3E-01
La-140 (about 2 days)	Not Detectable	-									4E-01

. E - means . x 10<sup>-</sup>

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

**【Definite Report】** The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <1/3>

Place of Collect	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Unit 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/14 6:21 AM	2011/5/14 6:31 AM	2011/5/14 6:39 AM	2011/5/14 6:39 AM	2011/5/14 6:50 AM					
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	160	4.0	2,700	68	2,800	70	2,800	70	3,200	80	40
Cs-134 (about 2 years)	740	12	18,000	300	18,000	300	16,000	270	18,000	300	60
Cs-137 (about 30 years)	800	8.9	19,000	210	19,000	210	17,000	190	19,000	210	90
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1,000
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Cs-136 (about 13 days)	Not Detectable	-	160	0.53	160	0.53	140	0.47	160	0.53	300
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	360	1.2	460	1.5	390	1.3	300
La-140 (about 2 days)	Not Detectable	-	280	0.70	280	0.70	180	0.45	270	0.68	400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**【Definite Report】** The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <2/3>

Place of Collect	Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/14 6:50 AM		2011/5/14 6:59 AM		2011/5/14 6:59 AM		2011/5/14 7:08 AM		2011/5/14 7:08 AM	
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	40,000	1,000	4,700	120	12,000	300	5,100	130	3,900	98	40
Cs-134 (about 2 years)	17,000	280	18,000	300	140,000	2,300	19,000	320	17,000	280	60
Cs-137 (about 30 years)	18,000	200	19,000	210	150,000	1,700	20,000	220	18,000	200	90
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1,000
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Cs-136 (about 13 days)	140	0.47	160	0.53	1,300	4.3	180	0.60	150	0.50	300
Ba-140 (about 13 days)	Not Detectable	-	430	1.4	3,100	10	390	1.3	420	1.4	300
La-140 (about 2 days)	230	0.58	300	0.75	1,700	4.3	270	0.68	270	0.68	400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**【Definite Report】** The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <3/3>

Place of Collect	Inside the south of 1F's Unit 1-4 Water Intake Canal										Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/14 7:14 AM									
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	2,800	70									40
Cs-134 (about 2 years)	17,000	280									60
Cs-137 (about 30 years)	18,000	200									90
Mn-54 (about 313 days)	Not Detectable	-									1,000
Co-60 (about 5 years)	Not Detectable	-									200
Tc-99m (about 6 hours)	Not Detectable	-									40,000
Cs-136 (about 13 days)	150	0.50									300
Ba-140 (about 13 days)	540	1.8									300
La-140 (about 2 days)	270	0.68									400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**【Definite Report】** The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <1/3>

Place of Collection	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Unit 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection										
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	280	7.0	3,600	90	3,300	83	3,000	75	5,500	140	40
Cs-134 (about 2 years)	1,600	27	19,000	320	17,000	280	16,000	270	18,000	300	60
Cs-137 (about 30 years)	1,700	19	20,000	220	18,000	200	16,000	180	19,000	210	90
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1,000
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Cs-136 (about 13 days)	Not Detectable	-	190	0.63	150	0.50	130	0.43	170	0.57	300
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	370	1.2	Not Detectable	-	330	1.1	300
La-140 (about 2 days)	12	0.03	300	0.75	240	0.6	180	0.45	260	0.65	400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**【Definite Report】** The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <2/3>

Place of Collection	Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/15 6:51 AM		2011/5/15 7:01 AM		2011/5/15 7:01 AM		2011/5/15 7:09 AM		2011/5/15 7:09 AM	
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	82,000	2,100	3,100	78	15,000	380	2,100	53	2,100	53	40
Cs-134 (about 2 years)	18,000	300	22,000	370	200,000	3,300	13,000	220	13,000	220	60
Cs-137 (about 30 years)	19,000	210	23,000	260	220,000	2,400	13,000	140	13,000	140	90
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1,000
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Cs-136 (about 13 days)	170	0.57	190	0.63	1,500	5.0	110	0.37	99	0.33	300
Ba-140 (about 13 days)	380	1.3	Not Detectable	-	4,600	15	Not Detectable	-	Not Detectable	-	300
La-140 (about 2 days)	160	0.40	320	0.80	2,200	5.5	170	0.43	160	0.40	400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

【Definite Report】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <3/3>

Place of Collect	Inside the south of 1F's Unit 1-4 Water Intake Canal										
Time and date of sample collection	2011/5/15 7:16 AM										
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	270	6.8									40
Cs-134 (about 2 years)	1,400	23									60
Cs-137 (about 30 years)	1,500	17									90
Mn-54 (about 313 days)	Not Detectable	-									1,000
Co-60 (about 5 years)	Not Detectable	-									200
Tc-99m (about 6 hours)	Not Detectable	-									40,000
Cs-136 (about 13 days)	140	0.47									300
Ba-140 (about 13 days)	Not Detectable	-									300
La-140 (about 2 days)	21	0.05									400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**【Definite Report】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater**  
 Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <1/3>

Place of Collect	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Unit 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection										
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	210	5.3	3,600	90	3,800	95	3,000	75	3,400	85	40
Cs-134 (about 2 years)	1,200	20	16,000	270	18,000	300	15,000	250	17,000	280	60
Cs-137 (about 30 years)	1,300	14	17,000	190	19,000	210	16,000	180	18,000	200	90
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1,000
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Cs-136 (about 13 days)	Not Detectable	-	130	0.43	140	0.47	140	0.47	140	0.47	300
Ba-140 (about 13 days)	Not Detectable	-	320	1.1	390	1.3	330	1.1	350	1.2	300
La-140 (about 2 days)	Not Detectable	-	190	0.48	220	0.55	150	0.38	210	0.53	400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1



【Definite Report】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <2/3>

Place of Collection	Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/16 7:20 AM		2011/5/16 7:33 AM		2011/5/16 7:40 AM		2011/5/16 7:55 AM		2011/5/16 8:00 AM	
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	77,000	1,900	3,400	85	5,800	150	3,200	80	2,500	63	40
Cs-134 (about 2 years)	18,000	300	18,000	300	62,000	1,000	17,000	280	14,000	230	60
Cs-137 (about 30 years)	19,000	210	18,000	200	66,000	730	17,000	190	15,000	170	90
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1,000
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Cs-136 (about 13 days)	140	0.47	150	0.50	500	1.7	130	0.43	100	0.33	300
Ba-140 (about 13 days)	380	1.3	440	1.5	1,400	4.7	430	1.4	250	0.83	300
La-140 (about 2 days)	160	0.40	220	0.55	680	1.7	200	0.50	170	0.43	400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

【Definite Report】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <3/3>

Place of Collect	Inside the south of 1F's Unit 1-4 Water Intake Canal										Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and date of sample collection	2011/5/16 8:10 AM										
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	320	8.0									40
Cs-134 (about 2 years)	1,500	25									60
Cs-137 (about 30 years)	1,600	18									90
Mn-54 (about 313 days)	Not Detectable	-									1,000
Co-60 (about 5 years)	Not Detectable	-									200
Tc-99m (about 6 hours)	Not Detectable	-									40,000
Cs-136 (about 13 days)	Not Detectable	-									300
Ba-140 (about 13 days)	Not Detectable	-									300
La-140 (about 2 days)	Not Detectable	-									400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**【Definite Report】** The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <1/3>

Place of Collection	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Unit 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/17 6:21 AM	2011/5/17 6:32 AM	2011/5/17 6:42 AM	2011/5/17 6:47 AM	2011/5/17 6:53 AM					
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	200	5.0	1,600	40	1,600	40	1,700	43	2,200	55	40
Cs-134 (about 2 years)	1,200	20	8,800	150	8,600	140	8,900	150	8,200	140	60
Cs-137 (about 30 years)	1,200	13	9,100	100	9,100	100	9,500	110	8,700	97	90
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1,000
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Cs-136 (about 13 days)	Not Detectable	-	65	0.22	68	0.23	63	0.21	67	0.22	300
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	200	0.67	Not Detectable	-	300
La-140 (about 2 days)	14	0.04	110	0.28	99	0.25	81	0.20	94	0.24	400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**【Definite Report】** The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <2/3>

Place of Collection	Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)					
	Time and date of sample collection	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)		Scaling factor ( / )				
I-131 (about 8 days)	2011/5/17 6:58 AM	25,000	630	2011/5/17 7:03 AM	1,500	38	2011/5/17 7:08 AM	3,000	75	2011/5/17 7:14 AM	370	9.3	2011/5/17 7:19 AM	670	17	40
Cs-134 (about 2 years)	10,000	170	8,100	140	33,000	550	2,400	40	4,100	68	60					
Cs-137 (about 30 years)	11,000	120	8,400	93	35,000	390	2,500	28	4,300	48	90					
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1,000					
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200					
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000					
Cs-136 (about 13 days)	88	0.29	66	0.22	240	0.80	24	0.08	38	0.13	300					
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	600	2.0	Not Detectable	-	Not Detectable	-	300					
La-140 (about 2 days)	130	0.33	84	0.21	360	0.90	20	0.05	36	0.09	400					

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

【Definite Report】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <3/3>

Place of Collect	Inside the south of 1F's Unit 1-4 Water Intake Canal										
Time and date of sample collection	2011/5/17 7:25 AM										
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	270	6.8									40
Cs-134 (about 2 years)	1,700	28									60
Cs-137 (about 30 years)	1,800	20									90
Mn-54 (about 313 days)	Not Detectable	-									1,000
Co-60 (about 5 years)	Not Detectable	-									200
Tc-99m (about 6 hours)	Not Detectable	-									40,000
Cs-136 (about 13 days)	19	0.06									300
Ba-140 (about 13 days)	Not Detectable	-									300
La-140 (about 2 days)	Not Detectable	-									400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**【Definite Report】** The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <1/3>

Place of Collection	Shallow Draft Quay of 1F				Inside north water intake canal of 1F's Unit 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/18 6:25 AM		2011/5/18 1:00 PM		2011/5/18 6:33 AM		2011/5/18 6:36 AM		2011/5/18 6:39 AM	
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	100	2.5	390	10	2,200	55	2,100	53	2,000	50	40
Cs-134 (about 2 years)	650	11	1,600	27	11,000	180	11,000	180	10,000	170	60
Cs-137 (about 30 years)	700	7.8	1,700	19	12,000	130	11,000	120	11,000	120	90
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1,000
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Cs-136 (about 13 days)	Not Detectable	-	13	0.04	89	0.30	89	0.30	65	0.22	300
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 (about 2 days)	Not Detectable	-	Not Detectable	-	120	0.30	110	0.28	110	0.28	400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**【Definite Report】** The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <2/3>

Place of Collection	Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	
I-131 (about 8 days)	2,200	55	20,000	500	2,100	53	6,500	160	1,200	30	40
Cs-134 (about 2 years)	11,000	180	9,700	160	12,000	200	110,000	1800	6,900	120	60
Cs-137 (about 30 years)	11,000	120	10,000	110	13,000	140	120,000	1300	7,200	80	90
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1,000
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Cs-136 (about 13 days)	79	0.26	70	0.23	84	0.28	850	2.8	44	0.15	300
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 (about 2 days)	120	0.30	80	0.20	160	0.40	1100	2.8	70	0.18	400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**【Definite Report】** The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <3/3>

Place of Collection	Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Unit 1-4 Water Intake Canal								Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	
Time and date of sample collection	2011/5/18 7:08 AM		2011/5/18 7:12 AM								
I-131 (about 8 days)	820	21	680	17							40
Cs-134 (about 2 years)	6,100	100	3,600	60							60
Cs-137 (about 30 years)	6,200	69	3,900	43							90
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-							1,000
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-							200
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-							40,000
Cs-136 (about 13 days)	41	0.14	19	0.06							300
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-							300
La-140 (about 2 days)	42	0.11	38	0.10							400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1



**【Definite Report】** The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <1/3>

Place of Collect	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Unit 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/19 6:18 AM	2011/5/19 6:27 AM	2011/5/19 6:38 AM	2011/5/19 6:38 AM	2011/5/19 6:45 AM					
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	240	6.0	2,100	53	2,100	53	1,200	30	2,200	55	40
Cs-134 (about 2 years)	1,200	20	9,400	160	9,700	160	6,100	100	9,700	160	60
Cs-137 (about 30 years)	1,300	14	9,800	110	10,000	110	6,200	69	10,000	110	90
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1,000
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Cs-136 (about 13 days)	Not Detectable	-	66	0.22	59	0.20	50	0.17	68	0.23	300
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 (about 2 days)	Not Detectable	-	88	0.22	98	0.25	43	0.11	110	0.28	400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**【Definite Report】** The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <2/3>

Place of Collect	Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/19 6:45 AM		2011/5/19 6:58 AM		2011/5/19 6:58 AM		2011/5/19 7:07 AM		2011/5/19 7:07 AM	
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	7,200	180	2,200	55	5,900	150	1,300	33	630	16	40
Cs-134 (about 2 years)	9,900	170	10,000	170	110,000	1,800	6,300	110	4,400	73	60
Cs-137 (about 30 years)	10,000	110	11,000	120	120,000	1,300	6,700	74	4,600	51	90
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1,000
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Cs-136 (about 13 days)	68	0.23	78	0.26	800	2.7	43	0.14	30	0.10	300
Ba-140 (about 13 days)	Not Detectable	-	280	0.93	1,900	6.3	Not Detectable	-	Not Detectable	-	300
La-140 (about 2 days)	Not Detectable	-	100	0.25	970	2.4	61	0.15	Not Detectable	-	400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

【Definite Report】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <3/3>

Place of Collect	Inside the south of 1F's Unit 1-4 Water Intake Canal										
Time and date of sample collection	2011/5/19 7:15 AM										
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	400	10									40
Cs-134 (about 2 years)	2,100	35									60
Cs-137 (about 30 years)	2,300	26									90
Mn-54 (about 313 days)	Not Detectable	-									1,000
Co-60 (about 5 years)	Not Detectable	-									200
Tc-99m (about 6 hours)	Not Detectable	-									40,000
Cs-136 (about 13 days)	Not Detectable	-									300
Ba-140 (about 13 days)	Not Detectable	-									300
La-140 (about 2 days)	Not Detectable	-									400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**【Definite Report】** The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <1/3>

Place of Collect	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Unit 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection										
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	120	3.0	1,600	40	1,500	38	1,100	28	1,800	45	40
Cs-134 (about 2 years)	760	13	6,300	110	6,200	100	5,200	87	6,600	110	60
Cs-137 (about 30 years)	810	9.0	6,500	72	6,500	72	5,500	61	6,900	77	90
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1,000
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Cs-136 (about 13 days)	Not Detectable	-	47	0.16	42	0.14	43	0.14	52	0.17	300
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 (about 2 days)	Not Detectable	-	70	0.18	68	0.17	35	0.09	80	0.20	400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**【Definite Report】** The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <2/3>

Place of Collect	Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/20 7:05 AM		2011/5/20 7:12 AM		2011/5/20 7:17 AM		2011/5/20 7:25 AM		2011/5/20 7:28 AM	
Detected nuclide (half-life)	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	
I-131 (about 8 days)	6,200	160	1,800	45	3,700	93	480	12	310	7.8	40
Cs-134 (about 2 years)	9,500	160	6,800	110	70,000	1,200	2,000	33	2,200	37	60
Cs-137 (about 30 years)	9,900	110	7,100	79	74,000	820	2,100	23	2,300	26	90
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1,000
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Cs-136 (about 13 days)	72	0.24	46	0.15	490	1.6	Not Detectable	-	Not Detectable	-	300
Ba-140 (about 13 days)	280	0.93	Not Detectable	-	1300	4.3	Not Detectable	-	Not Detectable	-	300
La-140 (about 2 days)	Not Detectable	-	68	0.17	590	1.5	25	0.06	Not Detectable	-	400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

【Definite Report】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater  
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4 <3/3>

Place of Collect	Inside the south of 1F's Unit 1-4 Water Intake Canal										
	Time and date of sample collection	2011/5/20 6:40 AM									
Detected nuclide (half-life)		Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )	Density of sample ( Bq/L)	Scaling factor ( / )
	I-131 (about 8 days)	260	6.5								
Cs-134 (about 2 years)	1,200	20									60
Cs-137 (about 30 years)	1,300	14									90
Mn-54 (about 313 days)	Not Detectable	-									1,000
Co-60 (about 5 years)	Not Detectable	-									200
Tc-99m (about 6 hours)	Not Detectable	-									40,000
Cs-136 (about 13 days)	Not Detectable	-									300
Ba-140 (about 13 days)	Not Detectable	-									300
La-140 (about 2 days)	16	0.04									400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**【Definite Report】 Results of Nuclide Analyses of Sub-drains  
Fukushima Daiichi Nuclear Power Station**

Place of sampling	Sub-drain of Unit1, Fukushima Daiichi	Sub-drain of Unit2, Fukushima Daiichi	Sub-drain of Unit3, Fukushima Daiichi	Sub-drain of Unit4, Fukushima Daiichi	Sub-drain of Unit5, Fukushima Daiichi	Sub-drain of Unit6, Fukushima Daiichi	Deep well, Fukushima Daiichi
Time and Date of Sample Collection	2011/5/9 14:23	2011/5/9 14:28	2011/5/9 14:35	2011/5/9 11:50	2011/5/9 14:14	2011/5/9 14:06	2011/5/9 9:15
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	4.2E+00	9.6E+01	1.9E-01	Not Detectable	Not Detectable	2.8E-02	Not Detectable
Cs-134 (about 2 years)	1.0E+01	1.3E+01	2.6E-01	5.3E-02	Not Detectable	5.8E-02	Not Detectable
Cs-137 (about 30 years)	1.2E+01	1.5E+01	2.5E-01	4.6E-02	7.4E-03	4.9E-02	Not Detectable
Nb-95 (about 35 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Sb-125 (about 3 years)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Ag-110m (about 250 days)	1.4E-01	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Te-129m (about 34 days)	4.6E+00	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Cs-136 (about 13 days)	1.1E-01	1.1E-01	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Ba-140 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
La-140 (about 2 days)	1.1E-01	1.1E-01	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable

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**【Definite Report】 Results of Nuclide Analyses of Sub-drains  
Fukushima Daiichi Nuclear Power Station**

Place of sampling	Sub-drain of Unit1, Fukushima Daiichi	Sub-drain of Unit2, Fukushima Daiichi	Sub-drain of Unit3, Fukushima Daiichi	Sub-drain of Unit4, Fukushima Daiichi	Sub-drain of Unit5, Fukushima Daiichi	Sub-drain of Unit6, Fukushima Daiichi	Deep well, Fukushima Daiichi
Time and Date of Sample Collection	2011/5/11 14:03	2011/5/11 14:08	2011/5/11 14:16	2011/5/11 14:25	2011/5/11 13:35	2011/5/11 13:23	2011/5/11 10:10
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	2.5E+00	8.7E+01	1.4E-01	Not Detectable	Not Detectable	2.2E-02	Not Detectable
Cs-134 (about 2 years)	8.8E+00	1.3E+01	2.8E-01	2.5E-02	Not Detectable	4.6E-02	Not Detectable
Cs-137 (about 30 years)	1.0E+01	1.5E+01	2.7E-01	4.5E-02	2.2E-02	5.6E-02	Not Detectable
Nb-95 (about 35 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Sb-125 (about 3 years)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Ag-110m (about 250 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Te-129m (about 34 days)	1.4E+00	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Cs-136 (about 13 days)	8.6E-02	1.2E-01	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Ba-140 (about 13 days)	Not Detectable	2.5E-01	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
La-140 (about 2 days)	5.1E-02	1.1E-01	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable

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**【Definite Report】 Results of Nuclide Analyses of Sub-drains  
Fukushima Daiichi Nuclear Power Station**

Place of sampling	Sub-drain of Unit1, Fukushima Daiichi	Sub-drain of Unit2, Fukushima Daiichi	Sub-drain of Unit3, Fukushima Daiichi	Sub-drain of Unit4, Fukushima Daiichi	Sub-drain of Unit5, Fukushima Daiichi	Sub-drain of Unit6, Fukushima Daiichi	Deep well, Fukushima Daiichi
Time and Date of Sample Collection	2011/5/13 13:05	2011/5/13 13:09	2011/5/13 13:15	2011/5/13 11:24	2011/5/13 12:57	2011/5/13 12:47	2011/5/13 10:00
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	2.5E+01	5.4E+01	6.3E-02	1.6E-01	Not Detectable	1.4E-02	Not Detectable
Cs-134 (about 2 years)	4.8E+01	1.8E+01	2.6E-01	1.5E-01	Not Detectable	2.8E-02	Not Detectable
Cs-137 (about 30 years)	5.7E+01	2.1E+01	2.5E-01	1.7E-01	Not Detectable	3.3E-02	Not Detectable
Nb-95 (about 35 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Sb-125 (about 3 years)	9.0E-01	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Ag-110m (about 250 days)	4.7E-01	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Te-129 (about 70 minutes)	1.7E+01	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Te-129m (about 34 days)	1.9E+01	2.7E+00	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Cs-136 (about 13 days)	3.6E-01	1.2E-01	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Ba-140 (about 13 days)	Not Detectable	3.4E-01	Not Detectable	4.4E-02	Not Detectable	Not Detectable	Not Detectable
La-140 (about 2 days)	1.1E-01	7.5E-02	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable

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**【Definite Report】 Results of Nuclide Analyses of Sub-drains  
Fukushima Daiichi Nuclear Power Station**

Place of sampling	Sub-drain of Unit1, Fukushima Daiichi	Sub-drain of Unit2, Fukushima Daiichi	Sub-drain of Unit3, Fukushima Daiichi	Sub-drain of Unit4, Fukushima Daiichi	Sub-drain of Unit5, Fukushima Daiichi	Sub-drain of Unit6, Fukushima Daiichi	Deep well, Fukushima Daiichi
Time and Date of Sample Collection	2011/5/16 13:44	2011/5/16 13:40	2011/5/16 13:52	2011/5/16 11:44	2011/5/16 13:32	2011/5/16 13:20	2011/5/16 8:09
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	3.2E+00	3.8E+01	1.4E-01	3.6E-02	Not Detectable	Not Detectable	Not Detectable
Cs-134 (about 2 years)	1.5E+01	2.8E+01	2.4E-01	8.0E-02	Not Detectable	3.0E-02	Not Detectable
Cs-137 (about 30 years)	1.7E+01	3.4E+01	2.8E-01	8.5E-02	Not Detectable	2.4E-02	Not Detectable
Nb-95 (about 35 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Sb-125 (about 3 years)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Ag-110m (about 250 days)	1.8E-01	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Te-129m (about 34 days)	3.2E+00	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Cs-136 (about 13 days)	1.1E-01	2.0E-01	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Ba-140 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
La-140 (about 2 days)	2.8E-02	1.5E-01	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable

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**【Definite Report】 Results of Nuclide Analyses of Sub-drains  
Fukushima Daiichi Nuclear Power Station**

Place of sampling	Sub-drain of Unit1, Fukushima Daiichi	Sub-drain of Unit2, Fukushima Daiichi	Sub-drain of Unit3, Fukushima Daiichi	Sub-drain of Unit4, Fukushima Daiichi	Sub-drain of Unit5, Fukushima Daiichi	Sub-drain of Unit6, Fukushima Daiichi	Deep well, Fukushima Daiichi
Time and Date of Sample Collection	2011/5/18 12:15	2011/5/18 12:23	2011/5/18 12:30	2011/5/18 11:55	2011/5/18 12:08	2011/5/18 12:00	2011/5/18 9:17
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	1.2E+00	3.0E+01	4.4E-02	1.4E-02	Not Detectable	6.5E-03	Not Detectable
Cs-134 (about 2 years)	9.8E+00	2.3E+01	2.0E-01	6.2E-02	2.3E-02	2.9E-02	Not Detectable
Cs-137 (about 30 years)	1.2E+01	2.8E+01	2.2E-01	4.9E-02	Not Detectable	3.0E-02	Not Detectable
Nb-95 (about 35 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Sb-125 (about 3 years)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Ag-110m (about 250 days)	5.5E-02	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Te-129m (about 34 days)	1.8E+00	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Cs-136 (about 13 days)	6.2E-02	1.2E-01	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Ba-140 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
La-140 (about 2 days)	2.4E-02	1.1E-01	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable

. E - means . ×10.

**【Definite Report】 Results of Nuclide Analyses of Sub-drains  
Fukushima Daiichi Nuclear Power Station**

Place of sampling	Sub-drain of Unit1, Fukushima Daiichi	Sub-drain of Unit2, Fukushima Daiichi	Sub-drain of Unit3, Fukushima Daiichi	Sub-drain of Unit4, Fukushima Daiichi	Sub-drain of Unit5, Fukushima Daiichi	Sub-drain of Unit6, Fukushima Daiichi	Deep well, Fukushima Daiichi
Time and Date of Sample Collection	2011/5/20 11:50	2011/5/20 11:55	2011/5/20 12:00	2011/5/20 11:47	2011/5/20 11:45	2011/5/20 11:30	2011/5/20 10:20
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	7.0E-01	2.5E+01	3.0E-02	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Cs-134 (about 2 years)	7.9E+00	2.1E+01	2.0E-01	4.6E-02	2.9E-02	2.3E-02	Not Detectable
Cs-137 (about 30 years)	9.5E+00	2.5E+01	2.2E-01	6.0E-02	2.2E-02	Not Detectable	Not Detectable
Nb-95 (about 35 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Sb-125 (about 3 years)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Ag-110m (about 250 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Te-129m (about 34 days)	1.6E+00	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Cs-136 (about 13 days)	4.3E-02	9.7E-02	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Ba-140 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
La-140 (about 2 days)	1.3E-02	9.1E-02	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable

. E - means . ×10.

【Definite Report】 Results of Nuclide Analyses of Sub-drains around Centralized Radiation Waste Treatment Facility

Place of sampling	South East, Turbine Building of Unit 4, Fukushima Daiichi	North East, Process Main Building, Fukushima Daiichi	South East, Process Main Building, Fukushima Daiichi	South, Miscellaneous Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	South West, On-site Bunker Building, Fukushima Daiichi
Time and Date of Sample Collection	11:23 am May 8, 2011	11:29 am May 8, 2011	11:34 am May 8, 2011	11:40 am May 8, 2011	Exempted
Detected Nuclides (Half-life)	Radioactivity Density of Sample ( Bq/cm <sup>3</sup> )				
I-131 (about 8 days)	Not Detectable	7.5E-02	1.9E-02	5.1E-02	/
Cs-134 (about 2 years)	6.0E-02	Not Detectable	6.8E-03	8.5E-02	/
Cs-137 (about 30 years)	7.3E-02	Not Detectable	Not Detectable	9.5E-02	/
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/

. E - means . × 1 0 - .

【Definite Report】 Results of Nuclide Analyses of Sub-drains around Centralized Radiation Waste Treatment Facility

Place of sampling	South East, Turbine Building of Unit 4, Fukushima Daiichi	North East, Process Main Building, Fukushima Daiichi	South East, Process Main Building, Fukushima Daiichi	South, Miscellaneous Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	South West, On-site Bunker Building, Fukushima Daiichi
Time and Date of Sample Collection	11:50 am May 9, 2011	12:02 pm May 9, 2011	12:06 pm May 9, 2011	12:22 pm May 9, 2011	12:17 pm May 9, 2011
Detected Nuclides (Half-life)	Radioactivity Density of Sample ( Bq/cm <sup>3</sup> )				
I-131 (about 8 days)	Not Detectable	6.5E-02	1.8E-02	1.8E-02	2.7E-02
Cs-134 (about 2 years)	5.3E-02	Not Detectable	Not Detectable	6.1E-02	3.7E-02
Cs-137 (about 30 years)	4.6E-02	7.8E-03	Not Detectable	4.6E-02	2.3E-02
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable

. E - means . × 1 0 - .

【Definite Report】 Results of Nuclide Analyses of Sub-drains around Centralized Radiation Waste Treatment Facility

Place of sampling	South East, Turbine Building of Unit 4, Fukushima Daiichi	North East, Process Main Building, Fukushima Daiichi	South East, Process Main Building, Fukushima Daiichi	South, Miscellaneous Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	South West, On-site Bunker Building, Fukushima Daiichi
Time and Date of Sample Collection	11:58 am May 10, 2011	12:03 pm May 10, 2011	12:08 pm May 10, 2011	12:14 pm May 10, 2011	Exempted
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )				
I-131 (about 8 days)	8.1E-03	6.3E-02	1.7E-02	5.2E-02	/
Cs-134 (about 2 years)	1.1E-01	Not Detectable	Not Detectable	9.6E-02	/
Cs-137 (about 30 years)	1.1E-01	Not Detectable	9.6E-03	1.2E-01	/
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/

. E - means . × 1 0 - .

【Definite Report】 Results of Nuclide Analyses of Sub-drains around Centralized Radiation Waste Treatment Facility

Place of sampling	South East, Turbine Building of Unit 4, Fukushima Daiichi	North East, Process Main Building, Fukushima Daiichi	South East, Process Main Building, Fukushima Daiichi	South, Miscellaneous Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	South West, On-site Bunker Building, Fukushima Daiichi
Time and Date of Sample Collection	2:25 pm May 11, 2011	2:43 pm May 11, 2011	2:54 pm May 11, 2011	11:38 am May 11, 2011	Exempted
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )				
I-131 (about 8 days)	Not Detectable	5.3E-02	1.4E-02	4.3E-02	
Cs-134 (about 2 years)	2.5E-02	2.0E-02	1.0E-02	1.0E-01	
Cs-137 (about 30 years)	4.5E-02	Not Detectable	1.5E-02	1.0E-01	
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable	2.6E-01	
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	

. E - means . × 1 0 - .



【Definite Report】 Results of Nuclide Analyses of Sub-drains around Centralized Radiation Waste Treatment Facility

Place of sampling	South East, Turbine Building of Unit 4, Fukushima Daiichi	North East, Process Main Building, Fukushima Daiichi	South East, Process Main Building, Fukushima Daiichi	South, Miscellaneous Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	South West, On-site Bunker Building, Fukushima Daiichi
Time and Date of Sample Collection	11:36 am May 12, 2011	11:41 am May 12, 2011	11:56 am May 12, 2011	12:01 pm May 12, 2011	Exempted
Detected Nuclides (Half-life)	Radioactivity Density of Sample ( Bq/cm <sup>3</sup> )				
I-131 (about 8 days)	Not Detectable	4.6E-02	1.2E-02	3.0E-02	/
Cs-134 (about 2 years)	4.1E-02	1.1E-02	Not Detectable	9.0E-02	/
Cs-137 (about 30 years)	4.5E-02	1.1E-02	3.0E-02	1.0E-01	/
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/

. E - means . × 1 0 - .

【Definite Report】 Results of Nuclide Analyses of Sub-drains around Centralized Radiation Waste Treatment Facility

Place of sampling	South East, Turbine Building of Unit 4, Fukushima Daiichi	North East, Process Main Building, Fukushima Daiichi	South East, Process Main Building, Fukushima Daiichi	South, Miscellaneous Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	South West, On-site Bunker Building, Fukushima Daiichi
Time and Date of Sample Collection	11:24 am May 13, 2011	11:28 am May 13, 2011	11:35 am May 13, 2011	11:43 am May 13, 2011	Exempted
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )				
I-131 (about 8 days)	1.6E-01	4.0E-02	1.5E-02	5.0E-02	/
Cs-134 (about 2 years)	1.5E-01	2.9E-02	1.5E-01	1.2E-01	/
Cs-137 (about 30 years)	1.7E-01	3.3E-02	1.5E-01	1.2E-01	/
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Ba-140 (about 13 days)	4.4E-02	Not Detectable	Not Detectable	Not Detectable	/

. E - means . × 1 0 - .

【Definite Report】 Results of Nuclide Analyses of Sub-drains around Centralized Radiation Waste Treatment Facility

Place of sampling	South East, Turbine Building of Unit 4, Fukushima Daiichi	North East, Process Main Building, Fukushima Daiichi	South East, Process Main Building, Fukushima Daiichi	South, Miscellaneous Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	South West, On-site Bunker Building, Fukushima Daiichi
Time and Date of Sample Collection	11:44 am May 14, 2011	11:50 am May 14, 2011	11:56 am May 14, 2011	12:12 pm May 14, 2011	Exempted
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )				
I-131 (about 8 days)	2.1E-01	4.0E-02	1.9E-02	5.5E-02	/
Cs-134 (about 2 years)	2.6E+00	1.6E-02	2.2E-02	1.3E-01	/
Cs-137 (about 30 years)	2.9E+00	2.0E-02	Not Detectable	1.2E-01	/
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Te-129m (about 34 days)	1.3E+00	Not Detectable	Not Detectable	Not Detectable	/
Cs-136 (about 13 days)	2.5E-02	Not Detectable	Not Detectable	Not Detectable	/
Ba-140 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/

. E - means . × 10 - .

【Definite Report】 Results of Nuclide Analyses of Sub-drains around Centralized Radiation Waste Treatment Facility

Place of sampling	South East, Turbine Building of Unit 4, Fukushima Daiichi	North East, Process Main Building, Fukushima Daiichi	South East, Process Main Building, Fukushima Daiichi	South, Miscellaneous Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	South West, On-site Bunker Building, Fukushima Daiichi
Time and Date of Sample Collection	11:45 am May 15, 2011	11:54 am May 15, 2011	12:05 pm May 15, 2011	12:24 pm May 15, 2011	Exempted
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )				
I-131 (about 8 days)	5.8E-02	4.0E-02	Not Detectable	5.4E-02	/
Cs-134 (about 2 years)	1.1E-01	Not Detectable	Not Detectable	1.2E-01	/
Cs-137 (about 30 years)	1.3E-01	Not Detectable	2.5E-02	1.3E-01	/
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Ba-140 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/

. E - means . × 1 0 - .

【Definite Report】 Results of Nuclide Analyses of Sub-drains around Centralized Radiation Waste Treatment Facility

Place of sampling	South East, Turbine Building of Unit 4, Fukushima Daiichi	North East, Process Main Building, Fukushima Daiichi	South East, Process Main Building, Fukushima Daiichi	South, Miscellaneous Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	South West, On-site Bunker Building, Fukushima Daiichi
Time and Date of Sample Collection	11:44 am May 16, 2011	11:50 am May 16, 2011	11:59 am May 16, 2011	12:27 pm May 16, 2011	12:11 pm May 16, 2011
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )				
I-131 (about 8 days)	3.6E-02	3.3E-02	3.0E-02	4.7E-02	1.2E-02
Cs-134 (about 2 years)	8.0E-02	1.1E-02	1.0E-01	1.3E-01	1.4E-02
Cs-137 (about 30 years)	8.5E-02	8.6E-03	9.8E-02	1.2E-01	1.1E-02
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	1.1E-01	Not Detectable
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Ba-140 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable

. E - means . × 10 - .

【Definite Report】 Results of Nuclide Analyses of Sub-drains around Centralized Radiation Waste Treatment Facility

Place of sampling	South East, Turbine Building of Unit 4, Fukushima Daiichi	North East, Process Main Building, Fukushima Daiichi	South East, Process Main Building, Fukushima Daiichi	South, Miscellaneous Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	South West, On-site Bunker Building, Fukushima Daiichi
Time and Date of Sample Collection	11:59 am May 17, 2011	12:05 pm May 17, 2011	12:10 pm May 17, 2011	12:34 pm May 17, 2011	Exempted
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )				
I-131 (about 8 days)	Not Detectable	3.1E-02	1.1E-02	4.3E-02	/
Cs-134 (about 2 years)	6.0E-02	Not Detectable	Not Detectable	1.3E-01	/
Cs-137 (about 30 years)	7.8E-02	Not Detectable	Not Detectable	1.2E-01	/
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Ba-140 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/

. E - means . × 1 0 - .

【Definite Report】 Results of Nuclide Analyses of Sub-drains around Centralized Radiation Waste Treatment Facility

Place of sampling	South East, Turbine Building of Unit 4, Fukushima Daiichi	North East, Process Main Building, Fukushima Daiichi	South East, Process Main Building, Fukushima Daiichi	South, Miscellaneous Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	South West, On-site Bunker Building, Fukushima Daiichi
Time and Date of Sample Collection	11:55 am May 18, 2011	12:00 pm May 18, 2011	12:07 pm May 18, 2011	12:27 pm May 18, 2011	Exempted
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )				
I-131 (about 8 days)	1.4E-02	2.6E-02	Not Detectable	4.6E-02	/
Cs-134 (about 2 years)	6.2E-02	Not Detectable	Not Detectable	1.5E-01	/
Cs-137 (about 30 years)	4.9E-02	Not Detectable	Not Detectable	1.4E-01	/
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Ba-140 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/

. E - means . × 1 0 - .

【Definite Report】 Results of Nuclide Analyses of Sub-drains around Centralized Radiation Waste Treatment Facility

Place of sampling	South East, Turbine Building of Unit 4, Fukushima Daiichi	North East, Process Main Building, Fukushima Daiichi	South East, Process Main Building, Fukushima Daiichi	South, Miscellaneous Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	South West, On-site Bunker Building, Fukushima Daiichi
Time and Date of Sample Collection	11:41 am May 19, 2011	11:46 am May 19, 2011	11:52 am May 19, 2011	12:01 pm May 19, 2011	Exempted
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )				
I-131 (about 8 days)	7.9E-03	2.3E-02	8.5E-03	5.0E-02	/
Cs-134 (about 2 years)	8.1E-02	7.0E-03	Not Detectable	1.3E-01	/
Cs-137 (about 30 years)	9.6E-02	Not Detectable	Not Detectable	1.3E-01	/
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Ba-140 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/

. E - means . × 1 0 - .



【Definite Report】 Results of Nuclide Analyses of Sub-drains around Centralized Radiation Waste Treatment Facility

Place of sampling	South East, Turbine Building of Unit 4, Fukushima Daiichi	North East, Process Main Building, Fukushima Daiichi	South East, Process Main Building, Fukushima Daiichi	South, Miscellaneous Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	South West, On-site Bunker Building, Fukushima Daiichi
Time and Date of Sample Collection	11:47 am May 20, 2011	11:51 am May 20, 2011	12:06 pm May 20, 2011	12:13 am May 20, 2011	Exempted
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )				
I-131 (about 8 days)	Not Detectable	2.5E-02	6.0E-03	3.4E-02	/
Cs-134 (about 2 years)	4.6E-02	2.5E-02	3.3E-02	1.4E-01	/
Cs-137 (about 30 years)	6.0E-02	2.2E-02	3.3E-02	1.4E-01	/
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/
Ba-140 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	/

. E - means . × 10 - .

**【Definite Report】 Result of Nuclide Analysis of Seawater <Offshore of Ibaraki Prefecture>**

Place of Sampling	3 km offshore of Takadokobama shore		3 km offshore of Kujihama shore		3 km offshore of Oarai shore		3 km offshore of Hirai shore		3 km offshore of Hasaki shore		Density limit by the announcement of Reactor Regulation (Bq/ L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	9:00 am April 29, 2011		7:59 am April 29, 2011		10:46 am April 29, 2011		8:20 am April 29, 2011		9:38 am April 29, 2011		
Detected Nuclides (Half-life)	Density of Sample (Bq/ L)	Scaling Factor ( / )	Density of Sample (Bq/ L)	Scaling Factor ( / )	Density of Sample (Bq/ L)	Scaling Factor ( / )	Density of Sample (Bq/ L)	Scaling Factor ( / )	Density of Sample (Bq/ L)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-02
Cs-134 (about 2 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	6E-02
Cs-137 (about 30 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	9E-02
Mo-99 ( about 66 hours )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Te-129 ( about 70分 )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+01
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E+00
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Ba-140 ( about 13 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 ( about 2 days )	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>".

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

If there is no indication as upper layer or lower layer in the column of "Place of Sampling", sampling was collected from the upper layer.

**【Definite Report】 Result of Nuclide Analysis of Seawater <Offshore of Ibaraki Prefecture>**

Place of Sampling	3 km offshore of Takadokobama shore		3 km offshore of Kujihama shore		3 km offshore of Oarai shore		3 km offshore of Hirai shore		3 km offshore of Hasaki shore		Density limit by the announcement of Reactor Regulation (Bq/ L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	9:03 am May 11, 2011		8:02 am May 11, 2011		10:53 am May 11, 2011		8:48 am May 11, 2011		7:30 am May 11, 2011		
Detected Nuclides (Half-life)	Density of Sample (Bq/ L)	Scaling Factor ( / )	Density of Sample (Bq/ L)	Scaling Factor ( / )	Density of Sample (Bq/ L)	Scaling Factor ( / )	Density of Sample (Bq/ L)	Scaling Factor ( / )	Density of Sample (Bq/ L)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-02
Cs-134 (about 2 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	6E-02
Cs-137 (about 30 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	9E-02
Mo-99 (about 66 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+01
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E+00
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 (about 2 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E-01

. E - means . × 1 0 <sup>-</sup> .

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**【Definite Report】 Result of Nuclide Analysis of Seawater <Offshore of Ibaraki Prefecture>**

Place of Sampling	3 km offshore of Takadokobama shore		3 km offshore of Kujihama shore		3 km offshore of Oarai shore		3 km offshore of Hirai shore		3 km offshore of Hasaki shore		Density limit by the announcement of Reactor Regulation (Bq/ L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	8:48 am May 18, 2011		7:46 am May 18, 2011		10:36 am May 18, 2011		7:41 am May 18, 2011		8:47 am May 18, 2011		
Detected Nuclides (Half-life)	Density of Sample (Bq/ L)	Scaling Factor ( / )	Density of Sample (Bq/ L)	Scaling Factor ( / )	Density of Sample (Bq/ L)	Scaling Factor ( / )	Density of Sample (Bq/ L)	Scaling Factor ( / )	Density of Sample (Bq/ L)	Scaling Factor ( / )	
I-131 (about 8 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40
Cs-134 (about 2 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	60
Cs-137 (about 30 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	90
Mo-99 (about 66 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	40,000
Te-129m (about 34 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Te-129 (about 70 minutes)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	10,000
Te-132 (about 3 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	200
I-132 (about 2 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3,000
Cs-136 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	300
La-140 (about 2 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	400

"Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ cm<sup>3</sup>").

In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

If there is no indication as upper layer or lower layer in the column of "Place of Sampling", sampling was collected from the upper layer.

【Definite Report】 Fukushima Daiichi Measured Results of Accumulated Water at the basement of T/B Building of Unit 3 and 4

Place of Sampling	Fukushima Daiichi Unit 3 T/B BFL Accumulated water (Electric room)	Fukushima Daiichi Unit 3 T/B BFL Accumulated water (Truck bay door side)	Fukushima Daiichi Unit 4 T/B BFL Accumulated water
Time and Date of Sample Collection	8:50 April 22, 2011	9:00 April 22, 2011	14:05 April 21, 2011
Detected Nuclides (Half-life)	Density of Sample ( Bq/cm <sup>3</sup> )		
I-131 (about 8 days)	1.2E+05	6.6E+05	4.3E+03
Cs-134 (about 2 years)	2.7E+05	1.5E+06	7.8E+03
Cs-136 ( about 13 days )	7.7E+03	4.4E+04	2.4E+02
Cs-137 (about 30 years)	2.8E+05	1.6E+06	8.1E+03
Ba-140 ( about 13 days )	1.8E+04	9.6E+04	6.0E+02
La-140 ( about 2 days )	1.7E+04	9.3E+04	4.8E+02

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