

**【Final】 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)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> ) *
	June 4, 2011 11:30 ~ 11:50		June 4, 2011 8:57 ~ 9:05		June 4, 2011 15:39 ~ 15:48		
Detected nuclide (half-life)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	
I-131 (about 8 days)	6.3E-06	0.01	ND	—	ND	—	1E-03
Cs-134 (about 2 years)	9.2E-06	0.00	6.7E-06	0.00	5.0E-05	0.03	2E-03
Cs-137 (about 30 years)	7.1E-06	0.00	8.0E-06	0.00	4.8E-05	0.02	3E-03
Nb-95 (about 35 days)	ND	—	ND	—	ND	—	2E-02
Tc-99m (about 6 hours)	ND	—	ND	—	ND	—	7E-01
Ag-110m (about 250 days)	ND	—	ND	—	ND	—	3E-03
Te-129 (about 70 minutes)	ND	—	ND	—	ND	—	4E-01
Te-129m (about 34 days)	ND	—	ND	—	ND	—	4E-03
I-132 (about 2 hours)	ND	—	ND	—	ND	—	7E-02
Te-132 (about 3 days)	ND	—	ND	—	ND	—	4E-03
I-133 (about 21 hours)	ND	—	ND	—	ND	—	5E-03
Cs-136 (about 13 days)	ND	—	ND	—	ND	—	1E-02
Ba-140 (about 13 days)	ND	—	ND	—	ND	—	1E-02
La-140 (about 2 days)	ND	—	ND	—	ND	—	1E-02

※ Radioactivity density is sum total of volatile and particulate.

※ 〇.〇E-〇 means 〇.〇×10<sup>-〇</sup>

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

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

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Place of sampling	West gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> ) *
	June 5, 2011 11:30 ~ 11:50		June 5, 2011 8:59 ~ 9:09		June 5, 2011 15:40 ~ 15:50		
Detected nuclide (half-life)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	
I-131 (about 8 days)	3. 2E-06	0. 00	ND	—	ND	—	1E-03
Cs-134 (about 2 years)	2. 0E-05	0. 01	4. 9E-05	0. 02	1. 2E-05	0. 01	2E-03
Cs-137 (about 30 years)	2. 2E-05	0. 01	5. 1E-05	0. 02	1. 3E-05	0. 00	3E-03
Nb-95 (about 35 days)	ND	—	ND	—	ND	—	2E-02
Tc-99m (about 6 hours)	ND	—	ND	—	ND	—	7E-01
Ag-110m (about 250 days)	ND	—	ND	—	ND	—	3E-03
Te-129 (about 70 minutes)	ND	—	ND	—	ND	—	4E-01
Te-129m (about 34 days)	ND	—	ND	—	ND	—	4E-03
I-132 (about 2 hours)	ND	—	ND	—	ND	—	7E-02
Te-132 (about 3 days)	ND	—	ND	—	ND	—	4E-03
I-133 (about 21 hours)	ND	—	ND	—	ND	—	5E-03
Cs-136 (about 13 days)	ND	—	ND	—	ND	—	1E-02
Ba-140 (about 13 days)	ND	—	ND	—	ND	—	1E-02
La-140 (about 2 days)	ND	—	ND	—	ND	—	1E-02

※ Radioactivity density is sum total of volatile and particulate.

※ 〇.〇E-〇 means 〇.〇×10<sup>-〇</sup>

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

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Place of sampling	West gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> ) *
	June 6, 2011 11:30 ~ 11:50		June 6, 2011 9:01 ~ 9:10		June 6, 2011 15:10 ~ 15:20		
Detected nuclide (half-life)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	
I-131 (about 8 days)	2.9E-06	0.00	ND	—	ND	—	1E-03
Cs-134 (about 2 years)	2.6E-05	0.01	3.8E-05	0.02	2.9E-05	0.01	2E-03
Cs-137 (about 30 years)	2.6E-05	0.01	3.1E-05	0.01	3.1E-05	0.01	3E-03
Nb-95 (about 35 days)	ND	—	ND	—	ND	—	2E-02
Tc-99m (about 6 hours)	ND	—	ND	—	ND	—	7E-01
Ag-110m (about 250 days)	ND	—	ND	—	ND	—	3E-03
Te-129 (about 70 minutes)	ND	—	ND	—	ND	—	4E-01
Te-129m (about 34 days)	ND	—	ND	—	ND	—	4E-03
I-132 (about 2 hours)	ND	—	ND	—	ND	—	7E-02
Te-132 (about 3 days)	ND	—	ND	—	ND	—	4E-03
I-133 (about 21 hours)	ND	—	ND	—	ND	—	5E-03
Cs-136 (about 13 days)	ND	—	ND	—	ND	—	1E-02
Ba-140 (about 13 days)	ND	—	ND	—	ND	—	1E-02
La-140 (about 2 days)	ND	—	ND	—	ND	—	1E-02

※ Radioactivity density is sum total of volatile and particulate.

※ O.OE-O means O.Ox10<sup>-O</sup>

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

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	June 7, 2011 11:30 ~ 11:50		June 7, 2011 9:14 ~ 9:28		June 7, 2011 15:22 ~ 15:36		
Detected nuclide (half-life)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	
I-131 (about 8 days)	2.0E-06	0.00	ND	—	ND	—	1E-03
Cs-134 (about 2 years)	2.6E-05	0.01	3.0E-05	0.02	3.0E-05	0.02	2E-03
Cs-137 (about 30 years)	2.4E-05	0.01	2.7E-05	0.01	2.4E-05	0.01	3E-03
Nb-95 (about 35 days)	ND	—	ND	—	ND	—	2E-02
Tc-99m (about 6 hours)	ND	—	ND	—	ND	—	7E-01
Ag-110m (about 250 days)	ND	—	ND	—	ND	—	3E-03
Te-129 (about 70 minutes)	ND	—	ND	—	4.8E-05	0.00	4E-01
Te-129m (about 34 days)	ND	—	ND	—	ND	—	4E-03
I-132 (about 2 hours)	ND	—	ND	—	ND	—	7E-02
Te-132 (about 3 days)	ND	—	ND	—	ND	—	4E-03
I-133 (about 21 hours)	ND	—	ND	—	ND	—	5E-03
Cs-136 (about 13 days)	ND	—	ND	—	ND	—	1E-02
Ba-140 (about 13 days)	ND	—	ND	—	ND	—	1E-02
La-140 (about 2 days)	ND	—	ND	—	ND	—	1E-02

※ Radioactivity density is sum total of volatile and particulate.

※ 0.0E-0 means 0.0×10<sup>-0</sup>

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	June 8, 2011 11:30 ~ 11:50		June 8, 2011 9:07 ~ 9:17		June 8, 2011 14:56 ~ 15:06		
Detected nuclide (half-life)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	
I-131 (about 8 days)	ND	—	ND	—	ND	—	1E-03
Cs-134 (about 2 years)	3.6E-05	0.02	9.0E-06	0.00	3.8E-05	0.02	2E-03
Cs-137 (about 30 years)	3.0E-05	0.01	9.8E-06	0.00	3.9E-05	0.01	3E-03
Nb-95 (about 35 days)	ND	—	ND	—	ND	—	2E-02
Tc-99m (about 6 hours)	ND	—	ND	—	ND	—	7E-01
Ag-110m (about 250 days)	ND	—	ND	—	ND	—	3E-03
Te-129 (about 70 minutes)	ND	—	ND	—	ND	—	4E-01
Te-129m (about 34 days)	ND	—	ND	—	ND	—	4E-03
I-132 (about 2 hours)	ND	—	ND	—	ND	—	7E-02
Te-132 (about 3 days)	ND	—	ND	—	ND	—	4E-03
I-133 (about 21 hours)	ND	—	ND	—	ND	—	5E-03
Cs-136 (about 13 days)	ND	—	ND	—	ND	—	1E-02
Ba-140 (about 13 days)	ND	—	ND	—	ND	—	1E-02
La-140 (about 2 days)	ND	—	ND	—	ND	—	1E-02

※ Radioactivity density is sum total of volatile and particulate.

※ 〇.〇E-〇 means 〇.〇×10<sup>-〇</sup>

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	June 9, 2011 11:30 ~ 11:50		June 9, 2011 9:10 ~ 9:20		June 9, 2011 15:33 ~ 15:43		
Detected nuclide (half-life)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	
I-131 (about 8 days)	ND	—	ND	—	ND	—	1E-03
Cs-134 (about 2 years)	1.8E-05	0.01	7.4E-06	0.00	4.6E-05	0.02	2E-03
Cs-137 (about 30 years)	2.3E-05	0.01	1.4E-05	0.00	4.5E-05	0.02	3E-03
Nb-95 (about 35 days)	ND	—	ND	—	ND	—	2E-02
Tc-99m (about 6 hours)	ND	—	ND	—	ND	—	7E-01
Ag-110m (about 250 days)	ND	—	ND	—	ND	—	3E-03
Te-129 (about 70 minutes)	ND	—	ND	—	ND	—	4E-01
Te-129m (about 34 days)	ND	—	ND	—	ND	—	4E-03
I-132 (about 2 hours)	ND	—	ND	—	ND	—	7E-02
Te-132 (about 3 days)	ND	—	ND	—	ND	—	4E-03
I-133 (about 21 hours)	ND	—	ND	—	ND	—	5E-03
Cs-136 (about 13 days)	ND	—	ND	—	ND	—	1E-02
Ba-140 (about 13 days)	ND	—	ND	—	ND	—	1E-02
La-140 (about 2 days)	ND	—	ND	—	ND	—	1E-02

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	June 10, 2011 11:30 ~ 11:50		June 10, 2011 9:08 ~ 9:18		June 10, 2011 15:20 ~ 15:30		
Detected nuclide (half-life)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	
I-131 (about 8 days)	ND	—	ND	—	ND	—	1E-03
Cs-134 (about 2 years)	1.7E-05	0.01	1.8E-05	0.01	3.2E-05	0.02	2E-03
Cs-137 (about 30 years)	1.8E-05	0.01	1.9E-05	0.01	3.4E-05	0.01	3E-03
Nb-95 (about 35 days)	ND	—	ND	—	ND	—	2E-02
Tc-99m (about 6 hours)	ND	—	ND	—	ND	—	7E-01
Ag-110m (about 250 days)	ND	—	ND	—	2.7E-06	0.00	3E-03
Te-129 (about 70 minutes)	ND	—	ND	—	ND	—	4E-01
Te-129m (about 34 days)	ND	—	ND	—	ND	—	4E-03
I-132 (about 2 hours)	ND	—	ND	—	ND	—	7E-02
Te-132 (about 3 days)	ND	—	ND	—	ND	—	4E-03
I-133 (about 21 hours)	ND	—	ND	—	ND	—	5E-03
Cs-136 (about 13 days)	ND	—	ND	—	ND	—	1E-02
Ba-140 (about 13 days)	ND	—	ND	—	ND	—	1E-02
La-140 (about 2 days)	ND	—	ND	—	ND	—	1E-02

※ Radioactivity density is sum total of volatile and particulate.

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	June 11, 2011 11:30 ~ 11:50		June 11, 2011 9:09 ~ 9:19		June 11, 2011 15:48 ~ 15:58		
Date and time of sampling	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	
I-131 (about 8 days)	2. 2E-06	0. 00	ND	—	ND	—	1E-03
Cs-134 (about 2 years)	2. 4E-05	0. 01	3. 4E-05	0. 02	3. 1E-05	0. 02	2E-03
Cs-137 (about 30 years)	2. 4E-05	0. 01	3. 6E-05	0. 01	2. 8E-05	0. 01	3E-03
Nb-95 (about 35 days)	ND	—	ND	—	ND	—	2E-02
Tc-99m (about 6 hours)	ND	—	ND	—	ND	—	7E-01
Ag-110m (about 250 days)	ND	—	ND	—	ND	—	3E-03
Te-129 (about 70 minutes)	ND	—	ND	—	ND	—	4E-01
Te-129m (about 34 days)	ND	—	ND	—	ND	—	4E-03
I-132 (about 2 hours)	ND	—	ND	—	ND	—	7E-02
Te-132 (about 3 days)	ND	—	ND	—	ND	—	4E-03
I-133 (about 21 hours)	ND	—	ND	—	ND	—	5E-03
Cs-136 (about 13 days)	ND	—	ND	—	ND	—	1E-02
Ba-140 (about 13 days)	ND	—	ND	—	ND	—	1E-02
La-140 (about 2 days)	ND	—	ND	—	ND	—	1E-02

※ Radioactivity density is sum total of volatile and particulate.

※ 〇.〇E-〇 means 〇.〇×10<sup>-〇</sup>

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Place of sampling	West gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> ) *
	June 12, 2011 11:30 ~ 11:50		June 12, 2011 9:15 ~ 9:2		June 12, 2011 15:26 ~ 15:36		
Detected nuclide (half-life)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	
I-131 (about 8 days)	6. 2E-06	0. 01	ND	—	ND	—	1E-03
Cs-134 (about 2 years)	1. 0E-05	0. 01	5. 6E-06	0. 00	ND	—	2E-03
Cs-137 (about 30 years)	4. 0E-06	0. 00	ND	—	5. 6E-06	0. 00	3E-03
Nb-95 (about 35 days)	ND	—	ND	—	ND	—	2E-02
Tc-99m (about 6 hours)	ND	—	ND	—	ND	—	7E-01
Ag-110m (about 250 days)	ND	—	ND	—	ND	—	3E-03
Te-129 (about 70 minutes)	ND	—	ND	—	ND	—	4E-01
Te-129m (about 34 days)	ND	—	ND	—	ND	—	4E-03
I-132 (about 2 hours)	ND	—	ND	—	ND	—	7E-02
Te-132 (about 3 days)	ND	—	ND	—	ND	—	4E-03
I-133 (about 21 hours)	ND	—	ND	—	ND	—	5E-03
Cs-136 (about 13 days)	ND	—	ND	—	ND	—	1E-02
Ba-140 (about 13 days)	ND	—	ND	—	ND	—	1E-02
La-140 (about 2 days)	ND	—	ND	—	ND	—	1E-02

※ Radioactivity density is sum total of volatile and particulate.

※ 0.0E-0 means  $0.0 \times 10^{-0}$

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	June 13, 2011 11:30 ~ 11:50		June 13, 2011 9:09 ~ 9:19		June 13, 2011 15:41 ~ 15:51		
Detected nuclide (half-life)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	
I-131 (about 8 days)	ND	—	ND	—	ND	—	1E-03
Cs-134 (about 2 years)	6.9E-06	0.00	1.5E-05	0.01	1.5E-05	0.01	2E-03
Cs-137 (about 30 years)	1.7E-06	0.00	1.5E-05	0.01	1.5E-05	0.01	3E-03
Nb-95 (about 35 days)	ND	—	ND	—	ND	—	2E-02
Tc-99m (about 6 hours)	ND	—	ND	—	ND	—	7E-01
Ag-110m (about 250 days)	ND	—	ND	—	ND	—	3E-03
Te-129 (about 70 minutes)	ND	—	ND	—	ND	—	4E-01
Te-129m (about 34 days)	ND	—	ND	—	ND	—	4E-03
I-132 (about 2 hours)	ND	—	ND	—	ND	—	7E-02
Te-132 (about 3 days)	ND	—	ND	—	ND	—	4E-03
I-133 (about 21 hours)	ND	—	ND	—	ND	—	5E-03
Cs-136 (about 13 days)	ND	—	ND	—	ND	—	1E-02
Ba-140 (about 13 days)	ND	—	ND	—	ND	—	1E-02
La-140 (about 2 days)	ND	—	ND	—	ND	—	1E-02

※ Radioactivity density is sum total of volatile and particulate.

※ 〇.〇E-〇 means 〇.〇×10<sup>-〇</sup>

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	Date and time of sampling	June 14, 2011 11:30 ~ 11:50	June 14, 2011 9:14 ~ 9:24	June 14, 2011 15:01 ~ 15:11	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	
Detected nuclide (half-life)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	
I-131 (about 8 days)	ND	—	ND	—	ND	—	1E-03
Cs-134 (about 2 years)	3.4E-06	0.00	5.5E-06	0.00	4.7E-06	0.00	2E-03
Cs-137 (about 30 years)	3.8E-06	0.00	4.5E-06	0.00	7.3E-06	0.00	3E-03
Nb-95 (about 35 days)	ND	—	ND	—	ND	—	2E-02
Tc-99m (about 6 hours)	ND	—	ND	—	ND	—	7E-01
Ag-110m (about 250 days)	ND	—	ND	—	ND	—	3E-03
Te-129 (about 70 minutes)	ND	—	ND	—	ND	—	4E-01
Te-129m (about 34 days)	ND	—	ND	—	ND	—	4E-03
I-132 (about 2 hours)	ND	—	ND	—	ND	—	7E-02
Te-132 (about 3 days)	ND	—	ND	—	ND	—	4E-03
I-133 (about 21 hours)	ND	—	ND	—	ND	—	5E-03
Cs-136 (about 13 days)	ND	—	ND	—	ND	—	1E-02
Ba-140 (about 13 days)	ND	—	ND	—	ND	—	1E-02
La-140 (about 2 days)	ND	—	ND	—	ND	—	1E-02

※ Radioactivity density is sum total of volatile and particulate.

※ 〇.〇E-〇 means 〇.〇×10<sup>-〇</sup>

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

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

**【Final】 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)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> ) *
	June 15, 2011 11:30 ~ 11:50		June 15, 2011 9:12 ~ 9:22		June 15, 2011 15:21 ~ 15:32		
Detected nuclide (half-life)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	
I-131 (about 8 days)	ND	—	ND	—	ND	—	1E-03
Cs-134 (about 2 years)	9.7E-06	0.00	4.8E-06	0.00	7.4E-06	0.00	2E-03
Cs-137 (about 30 years)	8.3E-06	0.00	4.5E-06	0.00	8.9E-06	0.00	3E-03
Nb-95 (about 35 days)	ND	—	ND	—	ND	—	2E-02
Tc-99m (about 6 hours)	ND	—	ND	—	ND	—	7E-01
Ag-110m (about 250 days)	ND	—	ND	—	ND	—	3E-03
Te-129 (about 70 minutes)	ND	—	ND	—	ND	—	4E-01
Te-129m (about 34 days)	ND	—	ND	—	ND	—	4E-03
I-132 (about 2 hours)	ND	—	ND	—	ND	—	7E-02
Te-132 (about 3 days)	ND	—	ND	—	ND	—	4E-03
I-133 (about 21 hours)	ND	—	ND	—	ND	—	5E-03
Cs-136 (about 13 days)	ND	—	ND	—	ND	—	1E-02
Ba-140 (about 13 days)	ND	—	ND	—	ND	—	1E-02
La-140 (about 2 days)	ND	—	ND	—	ND	—	1E-02

※ Radioactivity density is sum total of volatile and particulate.

※ 〇.OE-〇 means 〇.〇×10<sup>-〇</sup>

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

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

**【Final】 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)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> ) *
	June 16, 2011 11:30 ~ 11:50		June 16, 2011 9:07 ~ 9:17		June 16, 2011 15:24 ~ 15:34		
Detected nuclide (half-life)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	
I-131 (about 8 days)	1.8E-06	0.00	ND	—	ND	—	1E-03
Cs-134 (about 2 years)	4.0E-06	0.00	1.6E-05	0.01	6.7E-06	0.00	2E-03
Cs-137 (about 30 years)	5.7E-06	0.00	2.0E-05	0.01	5.0E-06	0.00	3E-03
Nb-95 (about 35 days)	ND	—	ND	—	ND	—	2E-02
Tc-99m (about 6 hours)	ND	—	ND	—	ND	—	7E-01
Ag-110m (about 250 days)	ND	—	ND	—	ND	—	3E-03
Te-129 (about 70 minutes)	ND	—	ND	—	ND	—	4E-01
Te-129m (about 34 days)	ND	—	ND	—	ND	—	4E-03
I-132 (about 2 hours)	ND	—	ND	—	ND	—	7E-02
Te-132 (about 3 days)	ND	—	ND	—	ND	—	4E-03
I-133 (about 21 hours)	ND	—	ND	—	ND	—	5E-03
Cs-136 (about 13 days)	ND	—	ND	—	ND	—	1E-02
Ba-140 (about 13 days)	ND	—	ND	—	ND	—	1E-02
La-140 (about 2 days)	ND	—	ND	—	ND	—	1E-02

※ Radioactivity density is sum total of volatile and particulate.

※ 〇.〇E-〇 means 〇.〇×10<sup>-〇</sup>

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

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

**【Final】 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)				②Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> ) *
	June 17, 2011 11:30 ~ 11:50		June 17, 2011 9:08 ~ 9:18		June 17, 2011 15:47 ~ 15:57		
Detected nuclide (half-life)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	①Radioactivity density (Bq/cm <sup>3</sup> )	Scaling factor (①/②)	
I-131 (about 8 days)	ND	—	ND	—	ND	—	1E-03
Cs-134 (about 2 years)	2.8E-06	0.00	1.1E-05	0.01	4.7E-06	0.00	2E-03
Cs-137 (about 30 years)	3.0E-06	0.00	8.2E-06	0.00	ND	—	3E-03
Nb-95 (about 35 days)	ND	—	ND	—	ND	—	2E-02
Tc-99m (about 6 hours)	ND	—	ND	—	ND	—	7E-01
Ag-110m (about 250 days)	ND	—	ND	—	ND	—	3E-03
Te-129 (about 70 minutes)	ND	—	ND	—	ND	—	4E-01
Te-129m (about 34 days)	ND	—	ND	—	ND	—	4E-03
I-132 (about 2 hours)	ND	—	ND	—	ND	—	7E-02
Te-132 (about 3 days)	ND	—	ND	—	ND	—	4E-03
I-133 (about 21 hours)	ND	—	ND	—	ND	—	5E-03
Cs-136 (about 13 days)	ND	—	ND	—	ND	—	1E-02
Ba-140 (about 13 days)	ND	—	ND	—	ND	—	1E-02
La-140 (about 2 days)	ND	—	ND	—	ND	—	1E-02

※ Radioactivity density is sum total of volatile and particulate.

※ 〇.〇E-〇 means 〇.〇×10<sup>-〇</sup>

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

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

【Final】 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		Around Iwasawa Shore of 2F (approx. 7 km south of 1,2u Discharge Channel) (approx. 16 km from 1F)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	9:20 June 4, 2011	2:00pm June 4, 2011	9:00am June 4, 2011	1:40pm June 4, 2011	9:30am June 4, 2011	8:05am June 4, 2011						
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	33	0.55	110	1.8	26	0.43	73	1.2	ND	-	ND	-	60
Cs-137 (about 30 years)	29	0.32	120	1.3	33	0.37	76	0.84	18	0.20	20	0.22	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

【Final】 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		Around Iwasawa Shore of 2F (approx. 7 km south of 1,2u Discharge Channel) (approx. 16 km from 1F)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	9:10am June 5, 2011	1:55pm June 5, 2011	8:45am June 5, 2011	1:35pm June 5, 2011	9:30am June 5, 2011	7:45am June 5, 2011	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	31	0.52	33	0.55	35	0.58	41	0.68	13	0.22	10	0.17	60
Cs-137 (about 30 years)	33	0.37	40	0.44	40	0.44	41	0.46	10	0.11	13	0.14	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection



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

Place of Sampling	15 km offshore of MinamiSouma City Upper layer		15 km offshore of MinamiSouma City Lower layer		15 km offshore of Ukedo-gawa Upper layer		15 km offshore of Ukedo-gawa Lower layer		15 km offshore of Fukushima Daiichi Upper layer		15 km offshore of Fukushima Daiichi Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	8:50am June 5, 2011		8:50am June 5, 2011		8:20am June 5, 2011		8:20am June 5, 2011		8:45am June 5, 2011		8:45am June 5, 2011	
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	13	0.22	11	0.18	13	0.22	9.1	0.15	ND	-	ND	-	60
Cs-137 (about 30 years)	14	0.16	11	0.12	14	0.16	11	0.12	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ie-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	15 km offshore of Fukushima Daini Upper layer		15 km offshore of Fukushima Daini Lower layer		15 km offshore of Iwasawa Shore Upper layer		15 km offshore of Iwasawa Shore Lower layer		15 km offshore of Hironomachi Upper layer		15 km offshore of Hironomachi Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	9:20am June 5, 2011	9:20am June 5, 2011	10:10am June 5, 2011	10:10am June 5, 2011	10:50am June 5, 2011	10:50am June 5, 2011						
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	12	0.20	6.3	0.11	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	8.2	0.09	11	0.12	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ie-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	3km offshore of Haramachi district Upper layer		3km offshore of Haramachi district Lower layer		3km offshore of Odaka district Upper layer		3km offshore of Odaka district Lower layer		3km offshore of Iwasawa coast Upper layer		3km offshore of Iwasawa coast Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	9:25am June 5, 2011	9:25am June 5, 2011	9:40am June 5, 2011	9:40am June 5, 2011	7:20am June 5, 2011	7:20am June 5, 2011						
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	12	0.20	8.0	0.13	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	19	0.21	9.1	0.10	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ie-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	8km offshore of Odaka district Upper layer		8km offshore of Odaka district Lower layer		8km offshore of Iwasawa coast Upper layer		8km offshore of Iwasawa coast Lower layer						② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	10:00am June 5, 2011		10:00am June 5, 2011		7:45am June 5, 2011		7:45am June 5, 2011					
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	ND	-	ND	-	8.6	0.14	9.5	0.16					60
Cs-137 (about 30 years)	17	0.19	ND	-	10	0.11	11	0.12					90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-					40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-					300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-					10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-					200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-					300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-					300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-					400

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

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

【Final】 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		Around Iwasawa Shore of 2F (approx. 7 km south of 1,2u Discharge Channel) (approx. 16 km from 1F)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	9:05am June 6, 2011	1:25pm June 6, 2011	8:55am June 6, 2011	1:10pm June 6, 2011	9:20am June 6, 2011	7:55am June 6, 2011	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	19	0.32	12	0.20	39	0.65	20	0.33	ND	-	ND	-	60
Cs-137 (about 30 years)	23	0.26	17	0.19	36	0.40	42	0.47	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

【Final】 Results of Nuclide Analysis of Seawater<Offshore 1/4>

Place of Sampling	15 km offshore of MinamiSouma City Upper layer		15 km offshore of MinamiSouma City Lower layer		15 km offshore of Ukedo-gawa Upper layer		15 km offshore of Ukedo-gawa Lower layer		15 km offshore of Fukushima Daiichi Upper layer		15 km offshore of Fukushima Daiichi Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	8:40am June 6, 2011		8:40am June 6, 2011		8:20am June 6, 2011		8:20am June 6, 2011		9:20am June 6, 2011		9:20am June 6, 2011	
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	5.0	0.08	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ie-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	15 km offshore of Fukushima Daini Upper layer		15 km offshore of Fukushima Daini Lower layer		15 km offshore of Iwasawa Shore Upper layer		15 km offshore of Iwasawa Shore Lower layer		15 km offshore of Hironomachi Upper layer		15 km offshore of Hironomachi Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	7:30am June 6, 2011	7:30am June 6, 2011	8:15am June 6, 2011	8:15am June 6, 2011	7:40am June 6, 2011	7:40am June 6, 2011						
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	6.2	0.10	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

**【Final】 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		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	6:00am June 6, 2011		6:00am June 6, 2011		5:40am June 6, 2011		5:40am June 6, 2011		Out of scope		Out of scope	
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	ND	-	ND	-	5.2	0.09	ND	-					60
Cs-137 (about 30 years)	ND	-	ND	-	4.4	0.05	4.9	0.05					90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-					40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-					300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-					10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-					200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-					300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-					300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-					400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection



**【Final】 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		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Out of scope		Out of scope		5:30am June 6, 2011		5:30am June 6, 2011		5:15am June 6, 2011		5:15am June 6, 2011		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)					ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)					ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)					ND	-	ND	-	ND	-	ND	-	90
Mo-99 (about 66 hours)					ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)					ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)					ND	-	ND	-	ND	-	ND	-	300
Ie-129 (about 70 minutes)					ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)					ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)					ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)					ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)					ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)					ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

【Final】 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		Around Iwasawa Shore of 2F (approx. 7 km south of 1,2u Discharge Channel) (approx. 16 km from 1F)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	9:30am June 7, 2011	2:05pm June 7, 2011	9:15am June 7, 2011	1:50pm June 7, 2011	9:30am June 7, 2011	7:50am June 7, 2011	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	30	0.50	25	0.42	16	0.27	23	0.38	ND	-	9.4	0.16	60
Cs-137 (about 30 years)	34	0.38	ND	-	18	0.20	32	0.36	ND	-	7.2	0.08	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	3 km offshore of Haramachi-ku Upper laver		3 km offshore of Haramachi-ku Lower laver		3 km offshore of Odaka-ku Upper laver		3 km offshore of Odaka-ku Lower laver		3 km offshore of Iwasawa Shore Upper laver		3 km offshore of Iwasawa Shore Lower laver		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection		Time and Date of Sample Collection		Time and Date of Sample Collection		Time and Date of Sample Collection		Time and Date of Sample Collection		Time and Date of Sample Collection		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
	I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	11	0.18	8.0	0.13	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	6.5	0.07	7.3	0.08	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ie-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

【Final】 Results of Nuclide Analysis of Seawater<Offshore 2/6>

Place of Sampling	8 km offshore of Odaka-ku Upper layer		8 km offshore of Odaka-ku Lower layer		8 km offshore of Iwasawa Shore Upper layer		8 km offshore of Iwasawa Shore Lower layer						② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	9:30am June 7, 2011	9:30am June 7, 2011	8:15am June 7, 2011	8:15am June 7, 2011								
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	ND	-	ND	-	4.3	0.07	ND	-					60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-					90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-					40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-					300
Te-129 (about 70 minutes)	ND	-	74	0.01	ND	-	ND	-					10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-					200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-					300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-					300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-					400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

**【Final】 Results of Nuclide Analysis of Seawater<Offshore 3/6>**

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		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Out of scope		Out of scope		Out of scope		Out of scope		6:00am June 7, 2011		6:00am June 7, 2011		
Time and Date of Sample Collection	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Detected Nuclides (Half-life)													
I-131 (about 8 days)									ND	-	ND	-	40
Cs-134 (about 2 years)									ND	-	ND	-	60
Cs-137 (about 30 years)									ND	-	ND	-	90
Mo-99 (about 66 hours)									ND	-	ND	-	40,000
Tc-99m (about 6 hours)									ND	-	ND	-	40,000
Te-129m (about 34 days)									ND	-	ND	-	300
Ie-129 (about 70 minutes)									ND	-	ND	-	10,000
Te-132 (about 3 days)									ND	-	ND	-	200
I-132 (about 2 hours)									ND	-	ND	-	3,000
Cs-136 (about 13 days)									ND	-	ND	-	300
Ba-140 (about 13 days)									ND	-	ND	-	300
La-140 (about 2 days)									ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

**【Final】 Results of Nuclide Analysis of Seawater<Offshore 4/6>**

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		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Time and Date of Sample Collection	6:20am June 7, 2011		6:20am June 7, 2011		Out of scope		Out of scope		Out of scope		Out of scope		
I-131 (about 8 days)	ND	-	ND	-	/	/	/	/	/	/	/	/	40
Cs-134 (about 2 years)	6.8	0.11	6.5	0.11	/	/	/	/	/	/	/	/	60
Cs-137 (about 30 years)	7.1	0.08	ND	-	/	/	/	/	/	/	/	/	90
Mo-99 (about 66 hours)	ND	-	ND	-	/	/	/	/	/	/	/	/	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	/	/	/	/	/	/	/	/	40,000
Te-129m (about 34 days)	ND	-	ND	-	/	/	/	/	/	/	/	/	300
Te-129 (about 70 minutes)	ND	-	ND	-	/	/	/	/	/	/	/	/	10,000
Te-132 (about 3 days)	ND	-	ND	-	/	/	/	/	/	/	/	/	200
I-132 (about 2 hours)	ND	-	ND	-	/	/	/	/	/	/	/	/	3,000
Cs-136 (about 13 days)	ND	-	ND	-	/	/	/	/	/	/	/	/	300
Ba-140 (about 13 days)	ND	-	ND	-	/	/	/	/	/	/	/	/	300
La-140 (about 2 days)	ND	-	ND	-	/	/	/	/	/	/	/	/	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

**【Final】 Results of Nuclide Analysis of Seawater<Offshore 5/6>**

Place of Sampling	30 km offshore of MinamiSouma City Upper laver		30 km offshore of MinamiSouma City Middle laver		30 km offshore of MinamiSouma City Lower laver		30 km offshore of Ukedo-gawa Upper laver		30 km offshore of Ukedo-gawa Middle laver		30 km offshore of Ukedo-gawa Lower laver		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	7:15am June 7, 2011	7:15am June 7, 2011	7:15am June 7, 2011	6:45am June 7, 2011	6:45am June 7, 2011	6:45am June 7, 2011						
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ie-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

**【Final】 Results of Nuclide Analysis of Seawater<Offshore 6/6>**

Place of Sampling	5 km offshore of Souma City Upper laver		5 km offshore of Souma City Lower laver		5 km offshore of Kashima Upper laver		5 km offshore of Kashima Lower laver		3 km offshore of Souma City Upper laver		3 km offshore of Souma City Lower laver		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection		Time and Date of Sample Collection		Time and Date of Sample Collection		Time and Date of Sample Collection		Time and Date of Sample Collection		Time and Date of Sample Collection		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
	I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ie-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection



【Final】 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		Around Iwasawa Shore of 2F (approx. 7 km south of 1,2u Discharge Channel) (approx. 16 km from 1F)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	9:05am June 8, 2011	1:55pm June 8, 2011	8:50am June 8, 2011	1:40pm June 8, 2011	8:30am June 8, 2011	8:00am June 8, 2011	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	24	0.40	ND	-	20	0.33	29	0.48	6.0	0.10	ND	-	60
Cs-137 (about 30 years)	33	0.37	ND	-	25	0.28	34	0.38	5.8	0.06	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	15 km offshore of MinamiSouma City Upper layer		15 km offshore of MinamiSouma City Lower layer		15 km offshore of Ukedo-gawa Upper layer		15 km offshore of Ukedo-gawa Lower layer		15 km offshore of Fukushima Daiichi Upper layer		15 km offshore of Fukushima Daiichi Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	10:00am June 8, 2011		10:00am June 8, 2011		9:40am June 8, 2011		9:40am June 8, 2011		9:05am June 8, 2011		9:05am June 8, 2011	
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	4.5	0.08	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	15 km offshore of Fukushima Daini Upper layer		15 km offshore of Fukushima Daini Lower layer		15 km offshore of Iwasawa Shore Upper layer		15 km offshore of Iwasawa Shore Lower layer		15 km offshore of Hironomachi Upper layer		15 km offshore of Hironomachi Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Time and Date of Sample Collection	8:30am June 8, 2011		8:30am June 8, 2011		7:50am June 8, 2011		7:50am June 8, 2011		7:15am June 8, 2011		7:15am June 8, 2011		
Detected Nuclides (Half-life)													
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	4.6	0.08	7.6	0.13	4.3	0.07	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ie-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

【Final】 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		Around Iwasawa Shore of 2F (approx. 7 km south of 1,2u Discharge Channel) (approx. 16 km from 1F)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	8:25am June 9, 2011	1:40pm June 9, 2011	9:10am June 9, 2011	1:25pm June 9, 2011	8:20am June 9, 2011	7:55am June 9, 2011	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	37	0.62	37	0.62	33	0.55	28	0.47	16	0.27	14	0.23	60
Cs-137 (about 30 years)	19	0.21	33	0.37	28	0.31	28	0.31	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

【Final】 Results of Nuclide Analysis of Seawater<Offshore 1/4>

Place of Sampling	3 km offshore of Haramachi-ku Upper laver		3 km offshore of Haramachi-ku Lower laver		3 km offshore of Odaka-ku Upper laver		3 km offshore of Odaka-ku Lower laver		3 km offshore of Iwasawa Shore Upper laver		3 km offshore of Iwasawa Shore Lower laver		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	8:45am June 9, 2011		8:45am June 9, 2011		9:00am June 9, 2011		9:00am June 9, 2011		7:55am June 9, 2011		7:55am June 9, 2011		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ie-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	8 km offshore of Odaka-ku Upper layer		8 km offshore of Odaka-ku Lower layer		8 km offshore of Iwasawa Shore Upper layer		8 km offshore of Iwasawa Shore Lower layer						② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	9:15am June 9, 2011		9:15am June 9, 2011		8:20am June 9, 2011		8:20am June 9, 2011					
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-					60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-					90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-					40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-					300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-					10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-					200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-					300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-					300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-					400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

【Final】 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		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	6:15am June 9, 2011		6:15am June 9, 2011		5:55am June 9, 2011		5:55am June 9, 2011		6:00am June 9, 2011		6:00am June 9, 2011	
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	5.5	0.09	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	7.3	0.08	5.4	0.06	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	62	0.01	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

【Final】 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		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	6:20am June 9, 2011	6:20am June 9, 2011	5:40am June 9, 2011	5:40am June 9, 2011	5:25am June 9, 2011	5:25am June 9, 2011						
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	12	0.20	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	11	0.12	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ie-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection



【Final】 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		Around Iwasawa Shore of 2F (approx. 7 km south of 1,2u Discharge Channel) (approx. 16 km from 1F)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	9:20am June 10, 2011		1:30pm June 10, 2011		9:00am June 10, 2011		1:50pm June 10, 2011		7:50am June 10, 2011		7:55am June 10, 2011	
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	24	0.40	38	0.63	35	0.58	30	0.50	ND	-	16	0.27	60
Cs-137 (about 30 years)	22	0.24	35	0.39	31	0.34	34	0.38	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	15 km offshore of MinamiSouma City Upper layer		15 km offshore of MinamiSouma City Lower layer		15 km offshore of Ukedo-gawa Upper layer		15 km offshore of Ukedo-gawa Lower layer		15 km offshore of Fukushima Daiichi Upper layer		15 km offshore of Fukushima Daiichi Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)	
	Time and Date of Sample Collection	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)			
	June 10, 2011 Sampling was suspended			June 10, 2011 Sampling was suspended			June 10, 2011 Sampling was suspended			9:10am June 10, 2011		9:10am June 10, 2011		
I-131 (about 8 days)										ND	-	ND	-	40
Cs-134 (about 2 years)										ND	-	ND	-	60
Cs-137 (about 30 years)										ND	-	ND	-	90
Mo-99 (about 66 hours)										ND	-	ND	-	40,000
Tc-99m (about 6 hours)										ND	-	ND	-	40,000
Te-129m (about 34 days)										ND	-	ND	-	300
Ie-129 (about 70 minutes)										ND	-	ND	-	10,000
Te-132 (about 3 days)										ND	-	ND	-	200
I-132 (about 2 hours)										ND	-	ND	-	3,000
Cs-136 (about 13 days)										ND	-	ND	-	300
Ba-140 (about 13 days)										ND	-	ND	-	300
La-140 (about 2 days)										ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	15 km offshore of Fukushima Daini Upper laver		15 km offshore of Fukushima Daini Lower laver		15 km offshore of Iwasawa Shore Upper laver		15 km offshore of Iwasawa Shore Lower laver		15 km offshore of Hirono-machi Upper laver		15 km offshore of Hirono-machi Lower laver		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	8:40am June 10, 2011	8:40am June 10, 2011	8:10am June 10, 2011	8:10am June 10, 2011	7:35am June 10, 2011	7:35am June 10, 2011						
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	Numanouchi Offshore 5km Upper Layer		Numanouchi Offshore 5km Lower Layer		Numanouchi Offshore 15km Upper Layer		Numanouchi Offshore 15km Middle Layer		Numanouchi Offshore 15km Lower Layer		Numanouchi Offshore 30km Upper Layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	6:30am June 10, 2011	6:30am June 10, 2011	7:15am June 10, 2011	7:15am June 10, 2011	7:15am June 10, 2011	7:15am June 10, 2011	8:10am June 10, 2011					
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	Numanouchi Offshore 30km Middle Layer		Numanouchi Offshore 30km Lower Layer		/		/		/		/		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	8:10am June 10, 2011		8:10am June 10, 2011		/		/		/			
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	/	/	/	/	/	/	/	/	40
Cs-134 (about 2 years)	ND	-	ND	-	/	/	/	/	/	/	/	/	60
Cs-137 (about 30 years)	ND	-	ND	-	/	/	/	/	/	/	/	/	90
Mo-99 (about 66 hours)	ND	-	ND	-	/	/	/	/	/	/	/	/	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	/	/	/	/	/	/	/	/	40,000
Te-129m (about 34 days)	ND	-	ND	-	/	/	/	/	/	/	/	/	300
Te-129 (about 70 minutes)	ND	-	ND	-	/	/	/	/	/	/	/	/	10,000
Te-132 (about 3 days)	ND	-	ND	-	/	/	/	/	/	/	/	/	200
I-132 (about 2 hours)	ND	-	ND	-	/	/	/	/	/	/	/	/	3,000
Cs-136 (about 13 days)	ND	-	ND	-	/	/	/	/	/	/	/	/	300
Ba-140 (about 13 days)	ND	-	ND	-	/	/	/	/	/	/	/	/	300
La-140 (about 2 days)	ND	-	ND	-	/	/	/	/	/	/	/	/	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

【Final】 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		Around Iwasawa Shore of 2F (approx. 7 km south of 1,2u Discharge Channel) (approx. 16 km from 1F)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	9:00am June 11, 2011		2:00pm June 11, 2011		8:40am June 11, 2011		1:40pm June 11, 2011		9:20am June 11, 2011		7:50am June 11, 2011	
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	31	0.52	25	0.42	30	0.50	27	0.45	6.1	0.10	ND	-	60
Cs-137 (about 30 years)	34	0.38	44	0.49	31	0.34	32	0.36	5.3	0.06	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

【Final】 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		Around Iwasawa Shore of 2F (approx. 7 km south of 1,2u Discharge Channel) (approx. 16 km from 1F)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	9:05am June 12, 2011	2:00pm June 12, 2011	8:45am June 12, 2011	1:35pm June 12, 2011	9:15am June 12, 2011	7:45am June 12, 2011	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	36	0.60	20	0.33	33	0.55	6.9	0.12	4.6	0.08	7.2	0.12	60
Cs-137 (about 30 years)	36	0.40	22	0.24	35	0.39	15	0.17	検出限界未満	-	8.9	0.10	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	15 km offshore of MinamiSouma City Upper layer		15 km offshore of MinamiSouma City Lower layer		15 km offshore of Ukedo-gawa Upper layer		15 km offshore of Ukedo-gawa Lower layer		15 km offshore of Fukushima Daiichi Upper layer		15 km offshore of Fukushima Daiichi Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	8:10am June 12, 2011		8:10am June 12, 2011		8:30am June 12, 2011		8:30am June 12, 2011		8:40am June 12, 2011		8:40am June 12, 2011	
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	15	0.17	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection



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

Place of Sampling	15 km offshore of Fukushima Daini Upper layer		15 km offshore of Fukushima Daini Lower layer		15 km offshore of Iwasawa Shore Upper layer		15 km offshore of Iwasawa Shore Lower layer		15 km offshore of Hironomachi Upper layer		15 km offshore of Hironomachi Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	8:10am June 12, 2011	8:10am June 12, 2011	7:40am June 12, 2011	7:40am June 12, 2011	7:10am June 12, 2011	7:10am June 12, 2011						
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

**【Final】 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		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/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	10:20am June 13, 2011	2:15pm June 13, 2011	9:25am June 13, 2011	2:00pm June 13, 2011	9:20am June 13, 2011	7:55am June 13, 2011	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)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	21	0.35	ND	-	24	0.40	34	0.57	ND	-	ND	-	60
Cs-137 (about 30 years)	30	0.33	16	0.18	25	0.28	35	0.39	ND	-	ND	-	90
Mo-99 ( about 66 hours )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 ( about 70 minutes )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 ( about 13 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( about 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

**【Final】 Results of Nuclide Analysis of Seawater <Offshore 1/5 >**

Place of Sampling	15 km offshore of Fukushima Daini Upper layer		15 km offshore of Fukushima Daini Lower layer		15 km offshore of Iwasawa Shore Upper layer		15 km offshore of Iwasawa Shore Lower layer		15 km offshore of Hironomachi Upper layer		15 km offshore of Hironomachi Lower layer		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	Out of scope		Out of scope		June 13, 2011 Collection cancelled		June 13, 2011 Collection cancelled		7:05am June 13, 2011		7:05am June 13, 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 ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)									ND	-	ND	-	40
Cs-134 (about 2 years)									ND	-	ND	-	60
Cs-137 (about 30 years)									ND	-	ND	-	90
Mo-99 ( about 66 hours )									ND	-	ND	-	40,000
Tc-99m (about 6 hours)									ND	-	ND	-	40,000
Te-129m (about 34 days)									ND	-	ND	-	300
Te-129 ( about 70 minutes )									ND	-	ND	-	10,000
Te-132 (about 3 days)									ND	-	ND	-	200
I-132 (about 2 hours)									ND	-	ND	-	3,000
Cs-136 (about 13 days)									ND	-	ND	-	300
Ba-140 ( about 13 days )									ND	-	ND	-	300
La-140 ( about 2 days )									ND	-	ND	-	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

**【Final】 Results of Nuclide Analysis of Seawater <Offshore 2/5 >**

Place of Sampling	3 km offshore of Haramachi-ku Upper layer		3 km offshore of Haramachi-ku Lower layer		3 km offshore of Odaka-ku Upper layer		3 km offshore of Odaka-ku Lower layer		3 km offshore of Iwasawa Shore Upper layer		3 km offshore of Iwasawa Shore Lower layer		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	June 13, 2011 Collection cancelled		June 13, 2011 Collection cancelled		June 13, 2011 Collection cancelled		June 13, 2011 Collection cancelled		7:40am June 13, 2011		7:40am June 13, 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 ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)									ND	-	ND	-	40
Cs-134 (about 2 years)									ND	-	ND	-	60
Cs-137 (about 30 years)									ND	-	ND	-	90
Mo-99 (about 66 hours)									ND	-	ND	-	40,000
Tc-99m (about 6 hours)									ND	-	ND	-	40,000
Te-129m (about 34 days)									ND	-	ND	-	300
Te-129 (about 70 minutes)									ND	-	ND	-	10,000
Te-132 (about 3 days)									ND	-	ND	-	200
I-132 (about 2 hours)									ND	-	ND	-	3,000
Cs-136 (about 13 days)									ND	-	ND	-	300
Ba-140 (about 13 days)									ND	-	ND	-	300
La-140 (about 2 days)									ND	-	ND	-	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

**【Final】 Results of Nuclide Analysis of Seawater <Offshore 3/5 >**

Place of Sampling	8 km offshore of Odaka-ku Upper laver		8 km offshore of Odaka-ku Lower laver		8 km offshore of Iwasawa Shore Upper laver		8 km offshore of Iwasawa Shore Lower laver						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	June 13, 2011 Collection cancelled		June 13, 2011 Collection cancelled		7:40am June 13, 2011		7:40am June 13, 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 ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)					ND	-	ND	-					40
Cs-134 (about 2 years)					ND	-	ND	-					60
Cs-137 (about 30 years)					ND	-	ND	-					90
Mo-99 (about 66 hours)					ND	-	ND	-					40,000
Tc-99m (about 6 hours)					ND	-	ND	-					40,000
Te-129m (about 34 days)					ND	-	ND	-					300
Te-129 (about 70 minutes)					ND	-	ND	-					10,000
Te-132 (about 3 days)					ND	-	ND	-					200
I-132 (about 2 hours)					ND	-	ND	-					3,000
Cs-136 (about 13 days)					ND	-	ND	-					300
Ba-140 (about 13 days)					ND	-	ND	-					300
La-140 (about 2 days)					ND	-	ND	-					400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

**【Final】 Results of Nuclide Analysis of Seawater <Offshore 4/5 >**

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/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	6:00am June 13, 2011		6:00am June 13, 2011		5:40am June 13, 2011		5:40am June 13, 2011		5:45am June 13, 2011		5:45am June 13, 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 ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	4.5	0.08	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 ( about 66 hours )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 ( about 70 minutes )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 ( about 13 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( about 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

**【Final】 Results of Nuclide Analysis of Seawater <Offshore 5/5 >**

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/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	6:00am June 13, 2011	6:00am June 13, 2011	5:30am June 13, 2011	5:30am June 13, 2011	5:20am June 13, 2011	5:20am June 13, 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 ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 ( about 66 hours )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 ( about 70 minutes )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 ( about 13 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( about 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

**【Final】 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		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/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	9:30am June 14, 2011		1:50pm June 14, 2011		9:15am June 14, 2011		1:35pm June 14, 2011		6:55am June 14, 2011		7:55am June 14, 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 ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	43	0.72	28	0.47	28	0.47	40	0.67	7.1	0.12	5.9	0.10	60
Cs-137 (about 30 years)	41	0.46	31	0.34	39	0.43	48	0.53	5.9	0.07	7.6	0.08	90
Mo-99 ( about 66 hours )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 ( about 70 minutes )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 ( about 13 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( about 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection



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

Place of Sampling	15 km offshore of MinamiSouma City Upper layer		15 km offshore of MinamiSouma City Lower layer		15 km offshore of Ukedo-gawa Upper layer		15 km offshore of Ukedo-gawa Lower layer		15 km offshore of Fukushima Daiichi Upper layer		15 km offshore of Fukushima Daiichi Lower layer		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	9:00am June 14, 2011	9:00am June 14, 2011	8:40am June 14, 2011	8:40am June 14, 2011	9:20am June 14, 2011	9:20am June 14, 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 ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 ( about 66 hours )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	90	0.30	ND	-	ND	-	300
Te-129 ( about 70 minutes )	ND	-	ND	-	ND	-	ND	-	ND	-	52	0.01	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 ( about 13 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( about 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	15 km offshore of Fukushima Daini Upper layer		15 km offshore of Fukushima Daini Lower layer		15 km offshore of Iwasawa Shore Upper layer		15 km offshore of Iwasawa Shore Lower layer		15 km offshore of Hironomachi Upper layer		15 km offshore of Hironomachi Lower layer		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	8:50am June 14, 2011		8:50am June 14, 2011		8:10am June 14, 2011		8:10am June 14, 2011		Out of scope		Out of scope	
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)	ND	-	ND	-	ND	-	ND	-	/	/	/	/	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	/	/	/	/	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	/	/	/	/	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	/	/	/	/	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	/	/	/	/	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	/	/	/	/	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	/	/	/	/	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	/	/	/	/	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	/	/	/	/	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	/	/	/	/	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	/	/	/	/	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	/	/	/	/	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	30 km offshore of MinamiSouma City Upper layer		30 km offshore of MinamiSouma City Middle layer		30 km offshore of MinamiSouma City Lower layer		30 km offshore of Ukedo River Upper layer		30 km offshore of Ukedo River Middle layer		30 km offshore of Ukedo River Lower layer		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	7:15am June 14, 2011		7:15am June 14, 2011		7:15am June 14, 2011		6:30am June 14, 2011		6:30am June 14, 2011		6:30am June 14, 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 ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	6.5	0.11	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 ( about 66 hours )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 ( about 70 minutes )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 ( about 13 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( about 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	5 km offshore of Souma City Upper layer		5 km offshore of Souma City Lower layer		5 km offshore of Kashima Upper layer		5 km offshore of Kashima Lower layer		3 km offshore of Souma City Upper layer		3 km offshore of Souma City Lower layer		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		Time and Date of Sample Collection		Time and Date of Sample Collection		Time and Date of Sample Collection		Time and Date of Sample Collection		Time and Date of Sample Collection		
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)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

**【Final】 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		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/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	9:10am June 15, 2011		1:20pm June 15, 2011		8:50am June 15, 2011		1:00pm June 15, 2011		8:30am June 15, 2011		8:05am June 15, 2011	
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor ( / )		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)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	42	0.70	34	0.57	28	0.47	29	0.48	ND	-	12	0.20	60
Cs-137 (about 30 years)	37	0.41	34	0.38	35	0.39	27	0.30	ND	-	12	0.13	90
Mo-99 ( about 66 hours )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 ( about 70 minutes )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 ( about 13 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( about 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	3 km offshore of Haramachi-ku Upper laver		3 km offshore of Haramachi-ku Lower laver		3 km offshore of Odaka-ku Upper laver		3 km offshore of Odaka-ku Lower laver		3 km offshore of Iwasawa Shore Upper laver		3 km offshore of Iwasawa Shore Lower laver		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	8:45am June 15, 2011		8:45am June 15, 2011		9:00am June 15, 2011		9:00am June 15, 2011		6:50am June 15, 2011		6:55am June 15, 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 ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	5.0	0.08	4.7	0.08	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	7.4	0.08	ND	-	90
Mo-99 ( about 66 hours )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 ( about 70 minutes )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 ( about 13 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( about 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

**【Final】 Results of Nuclide Analysis of Seawater <Offshore 22>**

Place of Sampling	8 km offshore of Odaka-ku Upper laver		8 km offshore of Odaka-ku Lower laver		8 km offshore of Iwasawa Shore Upper laver		8 km offshore of Iwasawa Shore Lower laver						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	9:20am June 15, 2011		9:20am June 15, 2011		7:10am June 15, 2011		7:10am June 15, 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 ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-					60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-					90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-					40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-					300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-					10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-					200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-					300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-					300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-					400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

**【Final】 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		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/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	9:05am June 16, 2011		1:15pm June 16, 2011		8:50am June 16, 2011		1:00pm June 16, 2011		8:20am June 16, 2011		7:55am June 16, 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 ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	46	0.77	41	0.68	20	0.33	24	0.40	ND	-	7.2	0.12	60
Cs-137 (about 30 years)	51	0.57	39	0.43	23	0.26	21	0.23	ND	-	10	0.11	90
Mo-99 ( about 66 hours )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 ( about 70 minutes )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 ( about 13 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( about 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection



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

Place of Sampling	15 km offshore of MinamiSouma City Upper layer		15 km offshore of MinamiSouma City Lower layer		15 km offshore of Ukedo-gawa Upper layer		15 km offshore of Ukedo-gawa Lower layer		15 km offshore of Fukushima Daiichi Upper layer		15 km offshore of Fukushima Daiichi Lower layer		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	9:05am June 16, 2011	9:05am June 16, 2011	9:25am June 16, 2011	9:25am June 16, 2011	9:05am June 16, 2011	9:05am June 16, 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 ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	4.5	0.08	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	15 km offshore of Fukushima Daini Upper layer		15 km offshore of Fukushima Daini Lower layer		15 km offshore of Iwasawa Shore Upper layer		15 km offshore of Iwasawa Shore Lower layer		15 km offshore of Hironomachi Upper layer		15 km offshore of Hironomachi Lower layer		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	8:35am June 16, 2011		8:35am June 16, 2011		7:45am June 16, 2011		7:45am June 16, 2011		7:00am June 16, 2011		7:00am June 16, 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 ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 ( about 66 hours )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 ( about 70 minutes )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 ( about 13 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( about 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

**【Final】 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/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	4:55am June 16, 2011		4:55am June 16, 2011		5:15am June 16, 2011		5:15am June 16, 2011		5:55am June 16, 2011		5:55am June 16, 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 ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	4.6	0.08	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 ( about 66 hours )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 ( about 70 minutes )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 ( about 13 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( about 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

**【Final】 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/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	6:10am June 16, 2011	6:10am June 16, 2011	5:25am June 16, 2011	5:25am June 16, 2011	5:40am June 16, 2011	5:40am June 16, 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 ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	4.5	0.08	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

【Final】 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		Around Iwasawa Shore of 2F (approx. 7 km south of 1,2u Discharge Channel) (approx. 16 km from 1F)		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	9:05am June 17, 2011	1:35pm June 17, 2011	8:50am June 17, 2011	1:20pm June 17, 2011	8:20am June 17, 2011	7:55am June 17, 2011	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	35	0.58	23	0.38	28	0.47	25	0.42	ND	-	ND	-	60
Cs-137 (about 30 years)	26	0.29	28	0.31	30	0.33	27	0.30	ND	-	5.5	0.06	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

【Final】 Results of Nuclide Analysis of Seawater<Offshore 1/4>

Place of Sampling	3 km offshore of Haramachi-ku Upper layer		3 km offshore of Haramachi-ku Lower layer		3 km offshore of Odaka-ku Upper layer		3 km offshore of Odaka-ku Lower layer		3 km offshore of Iwasawa Shore Upper layer		3 km offshore of Iwasawa Shore Lower layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	June 17, 2011 Sampling cancelled		June 17, 2011 Sampling cancelled		June 17, 2011 Sampling cancelled		June 17, 2011 Sampling cancelled		9:00am June 17, 2011		9:00am June 17, 2011		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)									ND	-	ND	-	40
Cs-134 (about 2 years)									ND	-	ND	-	60
Cs-137 (about 30 years)									ND	-	ND	-	90
Mo-99 (about 66 hours)									ND	-	ND	-	40,000
Tc-99m (about 6 hours)									ND	-	ND	-	40,000
Te-129m (about 34 days)									ND	-	ND	-	300
Te-129 (about 70 minutes)									ND	-	ND	-	10,000
Te-132 (about 3 days)									ND	-	ND	-	200
I-132 (about 2 hours)									ND	-	ND	-	3,000
Cs-136 (about 13 days)									ND	-	ND	-	300
Ba-140 (about 13 days)									ND	-	ND	-	300
La-140 (about 2 days)									ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	8 km offshore of Odaka-ku Upper layer		8 km offshore of Odaka-ku Lower layer		8 km offshore of Iwasawa Shore Upper layer		8 km offshore of Iwasawa Shore Lower layer						② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	June 17, 2011 Sampling cancelled		June 17, 2011 Sampling cancelled		8:45am June 17, 2011		8:45am June 17, 2011					
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)					ND	-	ND	-					40
Cs-134 (about 2 years)					3.9	0.07	ND	-					60
Cs-137 (about 30 years)					4.6	0.05	ND	-					90
Mo-99 (about 66 hours)					ND	-	ND	-					40,000
Tc-99m (about 6 hours)					ND	-	ND	-					40,000
Te-129m (about 34 days)					ND	-	ND	-					300
Te-129 (about 70 minutes)					ND	-	ND	-					10,000
Te-132 (about 3 days)					ND	-	ND	-					200
I-132 (about 2 hours)					ND	-	ND	-					3,000
Cs-136 (about 13 days)					ND	-	ND	-					300
Ba-140 (about 13 days)					ND	-	ND	-					300
La-140 (about 2 days)					ND	-	ND	-					400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	Numanouchi Offshore 5km Upper Layer		Numanouchi Offshore 5km Lower Layer		Numanouchi Offshore 15km Upper Layer		Numanouchi Offshore 15km Middle Layer		Numanouchi Offshore 15km Lower Layer		Numanouchi Offshore 30km Upper Layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	6:35am June 17, 2011		6:35am June 17, 2011		7:30am June 17, 2011		7:30am June 17, 2011		7:30am June 17, 2011		8:25am June 17, 2011	
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (about 66 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (about 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (about 2 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection



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

Place of Sampling	Numanouchi Offshore 30km Middle Layer		Numanouchi Offshore 30km Lower Layer										② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	8:25am June 17, 2011		8:25am June 17, 2011										
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-									40
Cs-134 (about 2 years)	ND	-	ND	-									60
Cs-137 (about 30 years)	ND	-	ND	-									90
Mo-99 (about 66 hours)	ND	-	ND	-									40,000
Tc-99m (about 6 hours)	ND	-	ND	-									40,000
Te-129m (about 34 days)	ND	-	ND	-									300
Te-129 (about 70 minutes)	ND	-	ND	-									10,000
Te-132 (about 3 days)	ND	-	ND	-									200
I-132 (about 2 hours)	ND	-	ND	-									3,000
Cs-136 (about 13 days)	ND	-	ND	-									300
Ba-140 (about 13 days)	ND	-	ND	-									300
La-140 (about 2 days)	ND	-	ND	-									400

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

※ In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 4Bq/L.

However, detection limits differs depending on the detectors and samples types, therefore might be detection

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

Place of Sampling	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	2011/6/4 6:32 AM		2011/6/4 6:34 AM		2011/6/4 6:50 AM		2011/6/4 6:12 AM		2011/6/4 7:02 AM		
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)	10	0.25	78	2.0	100	2.5	100	2.5	120	3.0	40
Cs-134 (about 2 years)	100	1.7	250	4.2	360	6.0	320	5.3	300	5.0	60
Cs-137 (about 30 years)	120	1.3	280	3.1	360	4.0	400	4.4	310	3.4	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	720	2.4	ND	-	ND	-	300
Te-129 ( about 70 minutes )	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 ( about 13 days )	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( about 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/4 6:53 AM		2011/6/4 7:09 AM		2011/6/4 7:04 AM		2011/6/4 7:20 AM		2011/6/4 7:12 AM	
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)	6,500	160	130	3.3	200	5.0	240	6.0	260	6.5	40
Cs-134 (about 2 years)	2,000	33	370	6.2	1,200	20	630	11	690	12	60
Cs-137 (about 30 years)	2,100	23	400	4.4	1,300	14	640	7.1	750	8.3	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 ( about 70 minutes )	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( about 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/4 7:27 AM										
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)	250	6.3									40
Cs-134 (about 2 years)	690	12									60
Cs-137 (about 30 years)	740	8.2									90
Mn-54 (about 313 days)	ND	-									1,000
Co-60 (about 5 years)	ND	-									200
Tc-99m (about 6 hours)	ND	-									40,000
Te-129m (about 34 days)	ND	-									300
Te-129 (about 70 minutes)	ND	-									10,000
Cs-136 (about 13 days)	ND	-									300
Ba-140 (about 13 days)	ND	-									300
La-140 (about 2 days)	ND	-									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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/5 6:35 AM		2011/6/5 6:42 AM		2011/6/5 6:45 AM		2011/6/5 6:48 AM		2011/6/5 6:53 AM		
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)	85	2.1	370	9.3	400	10	360	9.0	400	10	40
Cs-134 (about 2 years)	270	4.5	650	11	610	10	630	11	580	9.7	60
Cs-137 (about 30 years)	290	3.2	680	7.6	630	7.0	720	8.0	660	7.3	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 ( about 70 minutes )	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 ( about 13 days )	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( about 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/5 6:56 AM		2011/6/5 7:17 AM		2011/6/5 7:20 AM		2011/6/5 7:10 AM		2011/6/5 7:12 AM		
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)	1,600	40	380	9.5	260	6.5	340	8.5	270	6.8	40
Cs-134 (about 2 years)	3,100	52	820	14	4,100	68	700	12	650	11	60
Cs-137 (about 30 years)	3,300	37	890	9.9	4,400	49	740	8.2	720	8.0	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/5 7:05 AM										
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)	310	7.8									40
Cs-134 (about 2 years)	610	10									60
Cs-137 (about 30 years)	660	7.3									90
Mn-54 (about 313 days)	ND	-									1,000
Co-60 (about 5 years)	ND	-									200
Tc-99m (about 6 hours)	ND	-									40,000
Te-129m (about 34 days)	ND	-									300
Te-129 (about 70 minutes)	ND	-									10,000
Cs-136 (about 13 days)	ND	-									300
Ba-140 (about 13 days)	ND	-									300
La-140 (about 2 days)	ND	-									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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/6 6:30 AM		2011/6/6 6:38 AM		2011/6/6 6:42 AM		2011/6/6 6:44 AM		2011/6/6 6:49 AM		
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)	13	0.33	450	11	450	11	470	12	520	13	40
Cs-134 (about 2 years)	140	2.3	790	13	810	14	750	13	770	13	60
Cs-137 (about 30 years)	150	1.7	830	9.2	880	9.8	810	9.0	860	9.6	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 ( about 70 minutes )	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 ( about 13 days )	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( about 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated.



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

Place of Sampling	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	2011/6/6 6:51 AM		2011/6/6 6:57 AM		2011/6/6 7:00 AM		2011/6/6 7:03 AM		2011/6/6 7:06 AM		
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)	500	13	490	12	450	11	430	11	400	10	40
Cs-134 (about 2 years)	820	14	780	13	810	14	750	13	770	13	60
Cs-137 (about 30 years)	870	9.7	820	9.1	880	9.8	810	9.0	800	8.9	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 ( about 70 minutes )	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 ( about 13 days )	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( about 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/6 7:10 AM										
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)	410	10									40
Cs-134 (about 2 years)	700	12									60
Cs-137 (about 30 years)	720	8.0									90
Mn-54 (about 313 days)	ND	-									1,000
Co-60 (about 5 years)	ND	-									200
Tc-99m (about 6 hours)	ND	-									40,000
Te-129m (about 34 days)	ND	-									300
Te-129 (about 70 minutes)	ND	-									10,000
Cs-136 (about 13 days)	ND	-									300
Ba-140 (about 13 days)	ND	-									300
La-140 (about 2 days)	ND	-									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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/7 6:35 AM		2011/6/7 6:55 AM		2011/6/7 7:05 AM		2011/6/7 7:00 AM		2011/6/7 7:12 AM		
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)	9.5	0.24	260	6.5	220	5.5	240	6.0	250	6.3	40
Cs-134 (about 2 years)	100	1.7	360	6.0	280	4.7	310	5.2	410	6.8	60
Cs-137 (about 30 years)	110	1.2	390	4.3	320	3.6	330	3.7	410	4.6	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/7 7:08 AM		2011/6/7 7:21 AM		2011/6/7 7:19 AM		2011/6/7 7:30 AM		2011/6/7 7:25 AM	
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)	2,500	63	250	6.3	270	6.8	260	6.5	220	5.5	40
Cs-134 (about 2 years)	1,900	32	360	6.0	1,600	27	360	6.0	420	7.0	60
Cs-137 (about 30 years)	2,000	22	420	4.7	1,700	19	430	4.8	440	4.9	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/7 7:35 AM										
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)	240	6.0									40
Cs-134 (about 2 years)	380	6.3									60
Cs-137 (about 30 years)	440	4.9									90
Mn-54 (about 313 days)	ND	-									1,000
Co-60 (about 5 years)	ND	-									200
Tc-99m (about 6 hours)	ND	-									40,000
Te-129m (about 34 days)	ND	-									300
Te-129 (about 70 minutes)	ND	-									10,000
Cs-136 (about 13 days)	ND	-									300
Ba-140 (about 13 days)	ND	-									300
La-140 (about 2 days)	ND	-									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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/8 6:35 AM		2011/6/8 6:45 AM		2011/6/8 6:55 AM		2011/6/8 6:52 AM		2011/6/8 7:05 AM		
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)	220	5.5	360	9.0	410	10	360	9.0	370	9.3	40
Cs-134 (about 2 years)	440	7.3	600	10	530	8.8	560	9.3	560	9.3	60
Cs-137 (about 30 years)	490	5.4	600	6.7	570	6.3	570	6.3	630	7.0	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 ( about 70 minutes )	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 ( about 13 days )	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( about 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/8 7:02 AM		2011/6/8 7:15 AM		2011/6/8 7:12 AM		2011/6/8 7:20 AM		2011/6/8 7:18 AM	
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)	970	24	350	8.8	350	8.8	360	9.0	300	7.5	40
Cs-134 (about 2 years)	2,000	33	530	8.8	1,900	32	570	9.5	580	9.7	60
Cs-137 (about 30 years)	2,200	24	570	6.3	2,100	23	610	6.8	560	6.2	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/8 7:25 AM										
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)	16	0.40									40
Cs-134 (about 2 years)	360	6.0									60
Cs-137 (about 30 years)	390	4.3									90
Mn-54 (about 313 days)	ND	-									1,000
Co-60 (about 5 years)	ND	-									200
Tc-99m (about 6 hours)	ND	-									40,000
Te-129m (about 34 days)	ND	-									300
Te-129 (about 70 minutes)	ND	-									10,000
Cs-136 (about 13 days)	ND	-									300
Ba-140 (about 13 days)	ND	-									300
La-140 (about 2 days)	ND	-									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

In the case that the data is below measurable limit, "ND" is stated.



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

Place of Sampling	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	2011/6/9 6:09 AM		2011/6/9 6:25 AM		2011/6/9 6:40 AM		2011/6/9 6:35 AM		2011/6/9 6:50 AM		
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)	40	1.0	390	9.8	390	9.8	350	8.8	350	8.8	40
Cs-134 (about 2 years)	170	2.8	690	12	830	14	590	9.8	700	12	60
Cs-137 (about 30 years)	180	2.0	720	8.0	900	10	650	7.2	760	8.4	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 ( about 70 minutes )	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 ( about 13 days )	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( about 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/9 6:45 AM		2011/6/9 7:00 AM		2011/6/9 6:55 AM		2011/6/9 7:07 AM		2011/6/9 7:03 AM	
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)	1,800	45	310	7.8	210	5.3	320	8.0	240	6.0	40
Cs-134 (about 2 years)	1,700	28	710	12	2,100	35	790	13	860	14	60
Cs-137 (about 30 years)	1,900	21	760	8.4	2,200	24	870	9.7	900	10	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/9 7:10 AM										
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)	230	5.8									40
Cs-134 (about 2 years)	640	11									60
Cs-137 (about 30 years)	700	7.8									90
Mn-54 (about 313 days)	ND	-									1,000
Co-60 (about 5 years)	ND	-									200
Tc-99m (about 6 hours)	ND	-									40,000
Te-129m (about 34 days)	ND	-									300
Te-129 (about 70 minutes)	ND	-									10,000
Cs-136 (about 13 days)	ND	-									300
Ba-140 (about 13 days)	ND	-									300
La-140 (about 2 days)	ND	-									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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/10 6:10 AM		2011/6/10 6:26 AM		2011/6/10 6:41 AM		2011/6/10 6:35 AM		2011/6/10 6:52 AM		
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)	15	0.38	290	7.3	270	6.8	240	6.0	330	8.3	40
Cs-134 (about 2 years)	130	2.2	460	7.7	450	7.5	480	8.0	480	8.0	60
Cs-137 (about 30 years)	150	1.7	520	5.8	510	5.7	480	5.3	490	5.4	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/10 6:46 AM		2011/6/10 7:02 AM		2011/6/10 6:58 AM		2011/6/10 7:09 AM		2011/6/10 7:06 AM		
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)	5,600	140	280	7.0	170	4.3	270	6.8	190	4.8	40
Cs-134 (about 2 years)	2,100	35	500	8.3	2,500	42	470	7.8	630	11	60
Cs-137 (about 30 years)	2,200	24	500	5.6	2,700	30	520	5.8	650	7.2	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/10 7:15 AM										
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)	260	6.5									40
Cs-134 (about 2 years)	440	7.3									60
Cs-137 (about 30 years)	480	5.3									90
Mn-54 (about 313 days)	ND	-									1,000
Co-60 (about 5 years)	ND	-									200
Tc-99m (about 6 hours)	ND	-									40,000
Te-129m (about 34 days)	ND	-									300
Te-129 (about 70 minutes)	ND	-									10,000
Cs-136 (about 13 days)	ND	-									300
Ba-140 (about 13 days)	ND	-									300
La-140 (about 2 days)	ND	-									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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/11 6:08 AM		2011/6/11 6:16 AM		2011/6/11 6:27 AM		2011/6/11 6:32 AM		2011/6/11 6:37 AM		
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)	11	0.28	220	5.5	230	5.8	180	4.5	390	9.8	40
Cs-134 (about 2 years)	120	2.0	510	8.5	420	7.0	530	8.8	400	6.7	60
Cs-137 (about 30 years)	120	1.3	540	6.0	460	5.1	580	6.4	420	4.7	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 ( about 70 minutes )	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 ( about 13 days )	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( about 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/11 6:42 AM		2011/6/11 6:49 AM		2011/6/11 6:54 AM		2011/6/11 6:57 AM		2011/6/11 7:04 AM		
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)	5,200	130	230	5.8	170	4.3	220	5.5	160	4.0	40
Cs-134 (about 2 years)	2,000	33	480	8.0	2,400	40	390	6.5	630	11	60
Cs-137 (about 30 years)	2,200	24	520	5.8	2,600	29	400	4.4	670	7.4	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated.



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

Place of Sampling	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	2011/6/11 7:10 AM										
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)	200	5.0									40
Cs-134 (about 2 years)	500	8.3									60
Cs-137 (about 30 years)	540	6.0									90
Mn-54 (about 313 days)	ND	-									1,000
Co-60 (about 5 years)	ND	-									200
Tc-99m (about 6 hours)	ND	-									40,000
Te-129m (about 34 days)	ND	-									300
Te-129 (about 70 minutes)	ND	-									10,000
Cs-136 (about 13 days)	ND	-									300
Ba-140 (about 13 days)	ND	-									300
La-140 (about 2 days)	ND	-									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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/12 6:00 AM		2011/6/12 6:19 AM		2011/6/12 6:25 AM		2011/6/12 6:28 AM		2011/6/12 6:36 AM		
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)	ND	-	120	3.0	180	4.5	150	3.8	1,000	25	40
Cs-134 (about 2 years)	32	0.53	310	5.2	310	5.2	340	5.7	490	8.2	60
Cs-137 (about 30 years)	44	0.49	300	3.3	320	3.6	400	4.4	550	6.1	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated. Low measurable limit of I-131 is 10Bq/L.

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

Place of Sampling	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	2011/6/12 6:39 AM		2011/6/12 6:45 AM		2011/6/12 6:52 AM		2011/6/12 6:57 AM		2011/6/12 7:01 AM		
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)	660	17	200	5.0	200	5.0	230	5.8	220	5.5	40
Cs-134 (about 2 years)	400	6.7	370	6.2	1,300	22	630	11	520	8.7	60
Cs-137 (about 30 years)	440	4.9	380	4.2	1,400	16	640	7.1	590	6.6	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	230	0.02	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/12 7:07 AM										
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)	75	1.9									40
Cs-134 (about 2 years)	330	5.5									60
Cs-137 (about 30 years)	350	3.9									90
Mn-54 (about 313 days)	ND	-									1,000
Co-60 (about 5 years)	ND	-									200
Tc-99m (about 6 hours)	ND	-									40,000
Te-129m (about 34 days)	ND	-									300
Te-129 (about 70 minutes)	ND	-									10,000
Cs-136 (about 13 days)	ND	-									300
Ba-140 (about 13 days)	ND	-									300
La-140 (about 2 days)	ND	-									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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/13 6:28 AM		2011/6/13 6:47 AM		2011/6/13 6:50 AM		2011/6/13 6:53 AM		2011/6/13 6:57 AM		
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)	ND	-	74	1.9	97	2.4	100	2.5	260	6.5	40
Cs-134 (about 2 years)	100	1.7	210	3.5	210	3.5	200	3.3	260	4.3	60
Cs-137 (about 30 years)	110	1.2	200	2.2	220	2.4	230	2.6	300	3.3	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	400
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300

"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

In the case that the data is below measurable limit, "ND" is stated. Low measurable limit of I-131 is 7Bq/L.

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

Place of Sampling	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	2011/6/13 7:00 AM		2011/6/13 7:05 AM		2011/6/13 7:08 AM		2011/6/13 7:12 AM		2011/6/13 7:15 AM		
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)	1,200	30	230	5.8	190	4.8	180	4.5	120	3.0	40
Cs-134 (about 2 years)	2,000	33	270	4.5	940	16	260	4.3	780	13	60
Cs-137 (about 30 years)	2,200	24	290	3.2	1,100	12	290	3.2	830	9.2	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	400
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300

"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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/13 7:20 AM										
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)	170	4.3									40
Cs-134 (about 2 years)	270	4.5									60
Cs-137 (about 30 years)	280	3.1									90
Mn-54 (about 313 days)	ND	-									1,000
Co-60 (about 5 years)	ND	-									200
Tc-99m (about 6 hours)	ND	-									40,000
Cs-136 (about 13 days)	ND	-									300
Ba-140 (about 13 days)	ND	-									300
La-140 (about 2 days)	ND	-									400
Te-129m (about 34 days)	ND	-									300

"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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/14 6:17 AM		2011/6/14 6:32 AM		2011/6/14 6:37 AM		2011/6/14 6:40 AM		2011/6/14 6:45 AM		
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)	ND	-	19	0.48	20	0.50	34	0.85	75	1.9	40
Cs-134 (about 2 years)	38	0.63	74	1.2	54	0.90	47	0.78	73	1.2	60
Cs-137 (about 30 years)	36	0.40	89	0.99	54	0.60	61	0.68	80	0.89	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	400
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300

"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

In the case that the data is below measurable limit, "ND" is stated. Low measurable limit of I-131 is 5Bq/L.



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

Place of Sampling	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	2011/6/14 6:50 AM		2011/6/14 6:55 AM		2011/6/14 6:58 AM		2011/6/14 7:04 AM		2011/6/14 7:07 AM		
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)	3,700	93	34	0.85	100	2.5	52	1.3	65	1.6	40
Cs-134 (about 2 years)	1,300	22	73	1.2	1,400	23	86	1.4	710	12	60
Cs-137 (about 30 years)	1,400	16	84	0.93	1,500	17	89	0.99	770	8.6	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	400
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300

"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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/14 7:13 AM										
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)	13	0.33									40
Cs-134 (about 2 years)	190	3.2									60
Cs-137 (about 30 years)	190	2.1									90
Mn-54 (about 313 days)	ND	-									1,000
Co-60 (about 5 years)	ND	-									200
Tc-99m (about 6 hours)	ND	-									40,000
Cs-136 (about 13 days)	ND	-									300
Ba-140 (about 13 days)	ND	-									300
La-140 (about 2 days)	ND	-									400
Te-129m (about 34 days)	ND	-									300

"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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	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)	
2011/6/15 7:08 AM	2011/6/15 7:42 AM	2011/6/15 7:49 AM	2011/6/15 7:52 AM	2011/6/15 8:05 AM							
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)	ND	-	100	2.5	100	2.5	92	2.3	76	1.9	40
Cs-134 (about 2 years)	74	1.2	180	3.0	190	3.2	180	3.0	150	2.5	60
Cs-137 (about 30 years)	74	0.82	190	2.1	210	2.3	190	2.1	140	1.6	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated. Low measurable limit of I-131 is 9Bq/L.

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

Place of Sampling	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	2011/6/15 8:09 AM		2011/6/15 8:18 AM		2011/6/15 8:23 AM		2011/6/15 8:32 AM		2011/6/15 8:35 AM	
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)	2,000	50	52	1.3	99	2.5	47	1.2	57	1.4	40
Cs-134 (about 2 years)	1,400	23	200	3.3	1,000	17	200	3.3	610	10	60
Cs-137 (about 30 years)	1,500	17	210	2.3	1,100	12	240	2.7	710	7.9	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/15 8:42 AM										
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)	48	1.2									40
Cs-134 (about 2 years)	210	3.5									60
Cs-137 (about 30 years)	220	2.4									90
Mn-54 (about 313 days)	ND	-									1,000
Co-60 (about 5 years)	ND	-									200
Tc-99m (about 6 hours)	ND	-									40,000
Te-129m (about 34 days)	ND	-									300
Te-129 (about 70 minutes)	ND	-									10,000
Cs-136 (about 13 days)	ND	-									300
Ba-140 (about 13 days)	ND	-									300
La-140 (about 2 days)	ND	-									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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	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)	2011/6/16 6:30 AM	ND	-	2011/6/16 6:46 AM	110	2.8	2011/6/16 6:52 AM	110	2.8	2011/6/16 6:57 AM	130	3.3	2011/6/16 7:04 AM	120	3.0	40
Cs-134 (about 2 years)	160	2.7	310	5.2	340	5.7	340	5.7	340	5.7	340	5.7	340	5.7	60	
Cs-137 (about 30 years)	160	1.8	350	3.9	390	4.3	370	4.1	340	3.8	90					
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000					
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200					
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000					
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300					
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	10,000					
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300					
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300					
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated. Low measurable limit of I-131 is 12Bq/L.

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

Place of Sampling	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	2011/6/16 7:09 AM		2011/6/16 7:14 AM		2011/6/16 7:19 AM		2011/6/16 7:24 AM		2011/6/16 7:27 AM		
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)	890	22	110	2.8	130	3.3	95	2.4	85	2.1	40
Cs-134 (about 2 years)	1,400	23	390	6.5	3,100	52	430	7.2	620	10	60
Cs-137 (about 30 years)	1,400	16	400	4.4	3,400	38	440	4.9	660	7.3	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 ( about 70 minutes )	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 ( about 13 days )	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( about 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	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

In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	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	2011/6/16 7:35 AM										
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)	ND	-									40
Cs-134 (about 2 years)	500	8.3									60
Cs-137 (about 30 years)	510	5.7									90
Mn-54 (about 313 days)	ND	-									1,000
Co-60 (about 5 years)	ND	-									200
Tc-99m (about 6 hours)	ND	-									40,000
Te-129m (about 34 days)	ND	-									300
Te-129 (about 70 minutes)	ND	-									10,000
Cs-136 (about 13 days)	ND	-									300
Ba-140 (about 13 days)	ND	-									300
La-140 (about 2 days)	ND	-									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

In the case that the data is below measurable limit, "ND" is stated.



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

Place of Sampling	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)		②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)※	
	Time and Date of Sample Collection	Density of sample (Bq/L)	Scaling factor (①/②)	①Density of sample (Bq/L)	Scaling factor (①/②)	①Density of sample (Bq/L)	Scaling factor (①/②)	①Density of sample (Bq/L)	Scaling factor (①/②)	Density of sample (Bq/L)		Scaling factor (①/②)
I-131 (about 8 days)	2011/6/17 6:05 AM	26	0.65	190	4.8	210	5.3	180	4.5	190	4.8	40
Cs-134 (about 2 years)	2011/6/17 6:21 AM	280	4.7	650	11	710	12	590	9.8	670	11	60
Cs-137 (about 30 years)	2011/6/17 6:25 AM	290	3.2	700	7.8	730	8.1	690	7.7	700	7.8	90
Mn-54 (about 313 days)	2011/6/17 6:26 AM	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	2011/6/17 6:33 AM	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)		ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)		ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)		ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)		ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)		ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)		ND	-	ND	-	ND	-	ND	-	ND	-	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

※ In the case that the data is below measurable limit, "ND" is stated. Low measurable limit of I-131 is 12Bq/L.

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

Place of Sampling	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)		②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)※
	Time and Date of Sample Collection	2011/6/17 6:33 AM		2011/6/17 6:43 AM		2011/6/17 6:46 AM		2011/6/17 6:43 AM		2011/6/17 6:46 AM	
Detected Nuclides (Half-life)	Density of sample (Bq/L)	Scaling factor (①/②)	①Density of sample (Bq/L)	Scaling factor (①/②)	①Density of sample (Bq/L)	Scaling factor (①/②)	①Density of sample (Bq/L)	Scaling factor (①/②)	Density of sample (Bq/L)	Scaling factor (①/②)	
I-131 (about 8 days)	320	8.0	170	4.3	110	2.8	170	4.3	150	3.8	40
Cs-134 (about 2 years)	800	13	1,000	17	4,400	73	920	15	890	15	60
Cs-137 (about 30 years)	920	10	1,100	12	4,700	52	990	11	970	11	90
Mn-54 (about 313 days)	ND	-	ND	-	ND	-	ND	-	ND	-	1,000
Co-60 (about 5 years)	ND	-	ND	-	ND	-	ND	-	ND	-	200
Tc-99m (about 6 hours)	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (about 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (about 70 minutes)	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Cs-136 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (about 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (about 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	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

※ In the case that the data is below measurable limit, "ND" is stated.

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

Place of Sampling	Inside the south of 1F's Unit 1-4 Water Intake Canal										②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)※
Time and Date of Sample Collection	2011/6/17 6:54 AM										
Detected Nuclides (Half-life)	Density of sample (Bq/L)	Scaling factor (①/②)	①Density of sample (Bq/L)	Scaling factor (①/②)	①Density of sample (Bq/L)	Scaling factor (①/②)	①Density of sample (Bq/L)	Scaling factor (①/②)	Density of sample (Bq/L)	Scaling factor (①/②)	
I-131 (about 8 days)	17	0.43									40
Cs-134 (about 2 years)	460	7.7									60
Cs-137 (about 30 years)	530	5.9									90
Mn-54 (about 313 days)	ND	-									1,000
Co-60 (about 5 years)	ND	-									200
Tc-99m (about 6 hours)	ND	-									40,000
Te-129m (about 34 days)	ND	-									300
Te-129 (about 70 minutes)	ND	-									10,000
Cs-136 (about 13 days)	ND	-									300
Ba-140 (about 13 days)	ND	-									300
La-140 (about 2 days)	ND	-									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

※ In the case that the data is below measurable limit, "ND" is stated.

**【Final】 Results of Nuclide Analysis of Sub-drains at 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	2011/6/6 11:50	2011/6/6 11:55	2011/6/6 12:00	2011/6/6 11:45	2011/6/6 11:45	2011/6/6 11:40	2011/6/6 9:02
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	2.1E+00	1.5E+00	1.3E+00	1.2E-01	ND	ND	ND
Cs-134 (about 2 years)	2.5E+01	1.1E+01	6.2E-01	9.9E-02	8.5E-03	1.1E-02	ND
Cs-137 (about 30 years)	3.0E+01	1.3E+01	6.8E-01	1.2E-01	1.5E-02	9.4E-03	ND
Nb-95 (about 35 days)	ND	ND	ND	ND	ND	ND	ND
Sb-125 (about 3 years)	ND	ND	ND	ND	ND	ND	ND
Ag-110m (about 250 days)	2.6E-01	ND	ND	ND	ND	ND	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	ND	ND	ND
Te-129m (about 34 days)	2.0E+00	ND	ND	ND	ND	ND	ND
Cs-136 (about 13 days)	6.9E-02	ND	ND	ND	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	ND	ND	ND
La-140 (about 2 days)	ND	ND	ND	ND	ND	ND	ND

. E - means . ×10.

ND: when the detected amount is below the detection limit in this analysis (I-131: approx. 5E-3Bq/cm<sup>3</sup>, Cs-134: approx. 7E-2Bq/cm<sup>3</sup>, Cs-137: approx. 7E-2Bq/cm<sup>3</sup>)

**【Final】 Results of Nuclide Analysis of Sub-drains at 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	2011/6/8 11:35	2011/6/8 11:30	2011/6/8 12:25	2011/6/8 11:42	2011/6/8 11:43	2011/6/8 11:47	2011/6/8 9:55
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	5.0E-01	1.3E+00	8.4E-01	1.2E-02	ND	ND	ND
Cs-134 (about 2 years)	1.1E+01	1.1E+01	4.4E-01	2.9E-02	6.7E-03	1.2E-02	ND
Cs-137 (about 30 years)	1.4E+01	1.3E+01	4.6E-01	3.5E-02	ND	9.1E-03	ND
Nb-95 (about 35 days)	ND	ND	ND	ND	ND	ND	ND
Sb-125 (about 3 years)	ND	ND	ND	ND	ND	ND	ND
Ag-110m (about 250 days)	6.6E-02	ND	ND	ND	ND	ND	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	ND	ND	ND
La-140 (about 2 days)	ND	ND	ND	ND	ND	ND	ND

. E - means . ×10.

ND: when the detected amount is below the detection limit in this analysis (I-131: approx. 5E-3Bq/cm<sup>3</sup>, Cs-134: approx. 7E-2Bq/cm<sup>3</sup>, Cs-137: approx. 7E-2Bq/cm<sup>3</sup>)

**【Final】 Results of Nuclide Analysis of Sub-drains at 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	11:46 am June 10, 2011	12:07 pm June 10, 2011	12:09 pm June 10, 2011	11:59 am June 10, 2011	12:18 pm June 10, 2011	12:22 June 10, 2011	10:25 am June 10, 2011
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	1.4E-01	1.2E+00	3.7E-01	7.3E-03	ND	ND	ND
Cs-134 (about 2 years)	7.1E+00	1.1E+01	4.2E-01	4.3E-02	ND	ND	ND
Cs-137 (about 30 years)	8.4E+00	1.3E+01	4.4E-01	5.5E-02	ND	ND	ND
Nb-95 (about 35 days)	ND	ND	ND	ND	ND	ND	ND
Sb-125 (about 3 years)	ND	ND	ND	ND	ND	ND	ND
Ag-110m (about 250 days)	ND	ND	ND	ND	ND	ND	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	ND	ND	ND
La-140 (about 2 days)	ND	ND	ND	ND	ND	ND	ND

. E - means . ×10.

ND: when the detected amount is below the detection limit in this analysis (I-131: approx. 5E-3Bq/cm<sup>3</sup>, Cs-134: approx. 7E-2Bq/cm<sup>3</sup>, Cs-137: approx. 7E-2Bq/cm<sup>3</sup>)

**【Final】 Results of Nuclide Analysis of Sub-drains at 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	12:13 am June 13, 2011	12:23 pm June 13, 2011	12:33 pm June 13, 2011	11:47 am June 13, 2011	11:44 pm June 13, 2011	11:25 June 13, 2011	10:15 am June 13, 2011
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	ND	9. 2E-01	ND	7. 1E-03	ND	ND	ND
Cs-134 (about 2 years)	4. 4E+00	1. 0E+01	8. 2E-02	2. 0E-02	ND	ND	ND
Cs-137 (about 30 years)	5. 4E+00	1. 2E+01	9. 4E-02	2. 4E-02	ND	ND	ND
Nb-95 (about 35 days)	ND	ND	ND	ND	ND	ND	ND
Sb-125 (about 3 years)	ND	ND	ND	ND	ND	ND	ND
Ag-110m (about 250 days)	ND	ND	ND	ND	ND	ND	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	ND	ND	ND
La-140 (about 2 days)	ND	ND	ND	ND	ND	ND	ND

※ 0.0E-0 means 0.0×10.

※ ND: when the detected amount is below the detection limit in this analysis (I-131: approx. 5E-3Bq/cm<sup>3</sup>, Cs-134: approx. 7E-2Bq/cm<sup>3</sup>, Cs-137: approx. 7E-2Bq/cm<sup>3</sup>)

**【Final】 Results of Nuclide Analysis of Sub-drains at 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	11:48 am June 15, 2011	11:45 am June 15, 2011	11:41 am June 15, 2011	11:42 am June 15, 2011	11:27 am June 15, 2011	11:19 am June 15, 2011	9:06 am June 15, 2011
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	ND	8.2E-01	ND	ND	ND	ND	ND
Cs-134 (about 2 years)	3.7E+00	1.1E+01	8.4E-02	2.9E-02	6.8E-03	1.4E-02	ND
Cs-137 (about 30 years)	4.6E+00	1.3E+01	8.6E-02	ND	8.2E-03	1.6E-02	ND
Nb-95 (about 35 days)	ND	ND	ND	ND	ND	ND	ND
Sb-125 (about 3 years)	ND	ND	ND	ND	ND	ND	ND
Ag-110m (about 250 days)	ND	ND	ND	ND	ND	ND	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	ND	ND	ND
La-140 (about 2 days)	ND	ND	ND	ND	ND	ND	ND

. E - means . ×10.

ND: when the detected amount is below the detection limit in this analysis (I-131: approx. 5E-3Bq/cm<sup>3</sup>, Cs-134: approx. 7E-2Bq/cm<sup>3</sup>, Cs-137: approx. 7E-2Bq/cm<sup>3</sup>)



**【Final】 Results of Nuclide Analysis of Sub-drains at 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	11:54 am June 17, 2011	11:49 am June 17, 2011	11:44 am June 17, 2011	11:38am June 17, 2011	11:29am June 17, 2011	11:20am June 17, 2011	9:32am June 17, 2011
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	4.1E-02	7.5E-01	ND	9.0E-03	ND	ND	ND
Cs-134 (about 2 years)	3.3E+00	1.1E+01	8.8E-02	2.3E-02	ND	ND	ND
Cs-137 (about 30 years)	4.0E+00	1.3E+01	1.1E-01	2.2E-02	ND	ND	ND
Nb-95 (about 35 days)	ND	ND	ND	ND	ND	ND	ND
Sb-125 (about 3 years)	ND	ND	ND	ND	ND	ND	ND
Ag-110m (about 250 days)	ND	ND	ND	ND	ND	ND	ND
Te-129 (about 70 minutes)	ND	ND	ND	ND	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	ND	ND	ND
La-140 (about 2 days)	ND	ND	ND	ND	ND	ND	ND

. E - means . ×10.

ND: when the detected amount is below the detection limit in this analysis (I-131: approx. 5E-3Bq/cm<sup>3</sup>, Cs-134: approx. 7E-2Bq/cm<sup>3</sup>, Cs-137: approx. 7E-2Bq/cm<sup>3</sup>)

【Final】 Nuclides analysis result of sub-drain water around the Central Rad Waste Treatment Facility

Place of sampling	Southeast, T/B, Unit 4, Fukushima Daiichi	Northeast, Process Main Building, Fukushima Daiichi	Souththeast, Process Main Building, Fukushima Daiichi	South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	Southwest, On-site Bunker Building, Fukushima Daiichi	West, Incineration Workshop Building	North, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi
Time and Date of Sample Collection	11:42am June 4, 2011	11:48am June 4, 2011	11:59am June 4, 2011	12:13pm June 4, 2011	Out of scope	12:07pm June 4, 2011	12:21pm June 4, 2011
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	3.4E-02	ND	ND	ND		3.7E-02	ND
Cs-134 (about 2 years)	5.5E-02	ND	6.6E-03	3.5E-02		6.8E-01	4.1E-02
Cs-137 (about 30 years)	6.1E-02	ND	ND	4.9E-02		7.2E-01	3.7E-02
Te-129 (about 70 minutes)	ND	ND	ND	ND		ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND		ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND		ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND		ND	ND

. E - means . × 10.

ND: when the detected amount is below the detection limit in this analysis (I-131: approx. 1E-2Bq/cm<sup>3</sup>, Cs-134: approx. 2E-2Bq/cm<sup>3</sup>, Cs-137: approx. 2E-2Bq/cm<sup>3</sup>)

【Final】 Nuclides analysis result of sub-drain water around the Central Rad Waste Treatment Facility

Place of sampling	Southeast, T/B, Unit 4, Fukushima Daiichi	Northeast, Process Main Building, Fukushima Daiichi	Souththeast, Process Main Building, Fukushima Daiichi	South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	Southwest, On-site Bunker Building, Fukushima Daiichi	West, Incineration Workshop Building	North, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi
Time and Date of Sample Collection	11:17am June 5, 2011	11:27am June 5, 2011	11:34am June 5, 2011	11:47am June 5, 2011	Out of scope	11:42am June 5, 2011	11:54am June 5, 2011
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	8.1E-02	5.7E-03	ND	1.0E-02		4.2E-02	1.4E-02
Cs-134 (about 2 years)	7.8E-02	ND	ND	6.1E-02		8.1E-01	6.9E-02
Cs-137 (about 30 years)	9.6E-02	ND	ND	9.3E-02		8.5E-01	6.8E-02
Te-129 (about 70 minutes)	ND	ND	ND	ND		ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND		ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND		ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND		ND	ND

. E - means . × 10.

ND: when the detected amount is below the detection limit in this analysis (I-131: approx. 1E-2Bq/cm<sup>3</sup>, Cs-134: approx. 2E-2Bq/cm<sup>3</sup>, Cs-137: approx. 2E-2Bq/cm<sup>3</sup>)

【Final】 Nuclides analysis result of sub-drain water around the Central Rad Waste Treatment Facility

Place of sampling	Southeast, T/B, Unit 4, Fukushima Daiichi	Northeast, Process Main Building, Fukushima Daiichi	Souththeast, Process Main Building, Fukushima Daiichi	South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	Southwest, On-site Bunker Building, Fukushima Daiichi	West, Incineration Workshop Building	North, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi
Time and Date of Sample Collection	11:45am June 6, 2011	11:51am June 6, 2011	12:03pm June 6, 2011	12:18pm June 6, 2011	12:10pm June 6, 2011	12:15pm June 6, 2011	12:26pm June 6, 2011
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	1.2E-01	ND	ND	ND	ND	3.4E-02	ND
Cs-134 (about 2 years)	9.9E-02	ND	ND	3.8E-02	ND	7.2E-01	4.2E-02
Cs-137 (about 30 years)	1.2E-01	ND	ND	5.7E-02	ND	7.8E-01	5.1E-02
Te-129 (about 70 minutes)	ND	ND	ND	ND	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	ND	ND	ND

. E - means . ×10.

ND: when the detected amount is below the detection limit in this analysis (I-131: approx. 1E-2Bq/cm<sup>3</sup>, Cs-134: approx. 2E-2Bq/cm<sup>3</sup>, Cs-137: approx. 2E-2Bq/cm<sup>3</sup>)

【Final】 Nuclides analysis result of sub-drain water around the Central Rad Waste Treatment Facility

Place of sampling	Southeast, T/B, Unit 4, Fukushima Daiichi	Northeast, Process Main Building, Fukushima Daiichi	Souththeast, Process Main Building, Fukushima Daiichi	South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	Southwest, On-site Bunker Building, Fukushima Daiichi	West, Incineration Workshop Building	North, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi
Time and Date of Sample Collection	11:38am June 7, 2011	11:45am June 7, 2011	11:52am June 7, 2011	12:03pm June 7, 2011	Out of scope	11:58am June 7, 2011	12:11pm June 7, 2011
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	2.2E-02	6.1E-03	ND	ND	/	2.4E-02	5.3E-03
Cs-134 (about 2 years)	7.2E-02	9.0E-03	ND	8.0E-02	/	6.4E-01	3.1E-02
Cs-137 (about 30 years)	7.9E-02	7.0E-03	ND	8.5E-02	/	7.3E-01	2.7E-02
Te-129 (about 70 minutes)	ND	ND	ND	ND	/	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	/	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	/	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	/	ND	ND

. E - means . × 10.

ND: when the detected amount is below the detection limit in this analysis (I-131: approx. 1E-2Bq/cm<sup>3</sup>, Cs-134: approx. 2E-2Bq/cm<sup>3</sup>, Cs-137: approx. 2E-2Bq/cm<sup>3</sup>)

【Final】 Nuclides analysis result of sub-drain water around the Central Rad Waste Treatment Facility

Place of sampling	Southeast, T/B, Unit 4, Fukushima Daiichi	Northeast, Process Main Building, Fukushima Daiichi	Souththeast, Process Main Building, Fukushima Daiichi	South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	Southwest, On-site Bunker Building, Fukushima Daiichi	West, Incineration Workshop Building	North, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi
Time and Date of Sample Collection	11:42am June 8, 2011	11:49am June 8, 2011	11:55am June 8, 2011	12:06pm June 8, 2011	Out of scope	12:01pm June 8, 2011	12:12pm June 8, 2011
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	1.2E-02	ND	ND	1.2E-02	/	4.1E-02	ND
Cs-134 (about 2 years)	2.9E-02	ND	ND	1.2E-01	/	6.4E-01	4.2E-02
Cs-137 (about 30 years)	3.5E-02	ND	ND	1.3E-01	/	6.9E-01	4.9E-02
Te-129 (about 70 minutes)	ND	ND	ND	ND	/	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	/	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	/	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	/	ND	ND

. E - means . ×10.

ND: when the detected amount is below the detection limit in this analysis (I-131: approx. 1E-2Bq/cm<sup>3</sup>, Cs-134: approx. 2E-2Bq/cm<sup>3</sup>, Cs-137: approx. 2E-2Bq/cm<sup>3</sup>)

【Final】 Nuclides analysis result of sub-drain water around the Central Rad Waste Treatment Facility

Place of sampling	Southeast, T/B, Unit 4, Fukushima Daiichi	Northeast, Process Main Building, Fukushima Daiichi	Souththeast, Process Main Building, Fukushima Daiichi	South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	Southwest, On-site Bunker Building, Fukushima Daiichi	West, Incineration Workshop Building	North, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi
Time and Date of Sample Collection	11:26am June 9, 2011	11:33am June 9, 2011	11:40am June 9, 2011	11:52am June 9, 2011	Out of scope	11:47am June 9, 2011	11:59am June 9, 2011
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	1.0E-01	7.8E-03	ND	1.1E-02	/	2.0E-02	ND
Cs-134 (about 2 years)	1.3E-01	ND	ND	1.1E-01	/	6.1E-01	4.8E-02
Cs-137 (about 30 years)	1.3E-01	ND	ND	1.3E-01	/	6.7E-01	4.7E-02
Te-129 (about 70 minutes)	ND	ND	ND	ND	/	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	/	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	/	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	/	ND	ND

. E - means . × 10.

ND: when the detected amount is below the detection limit in this analysis (I-131: approx. 1E-2Bq/cm<sup>3</sup>, Cs-134: approx. 2E-2Bq/cm<sup>3</sup>, Cs-137: approx. 2E-2Bq/cm<sup>3</sup>)

【Final】 Nuclides analysis result of sub-drain water around the Central Rad Waste Treatment Facility

Place of sampling	Southeast, T/B, Unit 4, Fukushima Daiichi	Northeast, Process Main Building, Fukushima Daiichi	Souththeast, Process Main Building, Fukushima Daiichi	South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	Southwest, On-site Bunker Building, Fukushima Daiichi	West, Incineration Workshop Building	North, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi
Time and Date of Sample Collection	11:59am June 10, 2011	12:05pm June 10, 2011	12:10pm June 10, 2011	12:22pm June 10, 2011	Out of scope	12:17pm June 10, 2011	12:29pm June 10, 2011
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	7.3E-03	5.0E-03	ND	5.9E-03		1.9E-02	ND
Cs-134 (about 2 years)	4.3E-02	1.0E-02	ND	5.0E-02		5.5E-01	4.8E-02
Cs-137 (about 30 years)	5.5E-02	ND	ND	5.1E-02		5.9E-01	5.1E-02
Te-129 (about 70 minutes)	ND	ND	ND	ND		ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND		ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND		ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND		ND	ND

. E - means . × 10.

ND: when the detected amount is below the detection limit in this analysis (I-131: approx. 1E-2Bq/cm<sup>3</sup>, Cs-134: approx. 2E-2Bq/cm<sup>3</sup>, Cs-137: approx. 2E-2Bq/cm<sup>3</sup>)



【Final】 Nuclides analysis result of sub-drain water around the Central Rad Waste Treatment Facility

Place of sampling	Southeast, T/B, Unit 4, Fukushima Daiichi	Northeast, Process Main Building, Fukushima Daiichi	Souththeast, Process Main Building, Fukushima Daiichi	South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	Southwest, On-site Bunker Building, Fukushima Daiichi	West, Incineration Workshop Building	North, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi
Time and Date of Sample Collection	11:42am June 11, 2011	11:50am June 11, 2011	11:55am June 11, 2011	12:12pm June 11, 2011	Out of scope	12:07pm June 11, 2011	12:18pm June 11, 2011
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	7.0E-03	ND	ND	ND	/	3.4E-02	4.4E-03
Cs-134 (about 2 years)	4.7E-02	ND	ND	3.7E-02	/	2.9E-01	4.3E-02
Cs-137 (about 30 years)	4.5E-02	ND	ND	4.0E-02	/	3.3E-01	4.8E-02
Te-129 (about 70 minutes)	ND	ND	ND	ND	/	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	/	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	/	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	/	ND	ND

. E - means . × 10.

ND: when the detected amount is below the detection limit in this analysis (I-131: approx. 1E-2Bq/cm<sup>3</sup>, Cs-134: approx. 2E-2Bq/cm<sup>3</sup>, Cs-137: approx. 2E-2Bq/cm<sup>3</sup>)

【Final】 Nuclides analysis result of sub-drain water around the Central Rad Waste Treatment Facility

Place of sampling	Southeast, T/B, Unit 4, Fukushima Daiichi	Northeast, Process Main Building, Fukushima Daiichi	Souththeast, Process Main Building, Fukushima Daiichi	South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	Southwest, On-site Bunker Building, Fukushima Daiichi	West, Incineration Workshop Building	North, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi
Time and Date of Sample Collection	11:36am June 12, 2011	11:42am June 12, 2011	11:49am June 12, 2011	12:03pm June 12, 2011	対象外	11:58am June 12, 2011	12:08pm June 12, 2011
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	ND	ND	ND	ND		ND	6.3E-03
Cs-134 (about 2 years)	2.4E-02	ND	ND	4.3E-02		5.9E-01	6.8E-02
Cs-137 (about 30 years)	2.2E-02	ND	ND	5.8E-02		6.4E-01	6.8E-02
Te-129 (about 70 minutes)	ND	ND	ND	ND		ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND		ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND		ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND		ND	ND

. E - means . × 10.

ND: when the detected amount is below the detection limit in this analysis (I-131: approx. 1E-2Bq/cm<sup>3</sup>, Cs-134: approx. 2E-2Bq/cm<sup>3</sup>, Cs-137: approx. 2E-2Bq/cm<sup>3</sup>)

【Final】 Nuclides analysis result of sub-drain water around the Central Rad Waste Treatment Facility

Place of sampling	Southeast, T/B, Unit 4, Fukushima Daiichi	Northeast, Process Main Building, Fukushima Daiichi	Souththeast, Process Main Building, Fukushima Daiichi	South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	Southwest, On-site Bunker Building, Fukushima Daiichi	West, Incineration Workshop Building	North, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi
Time and Date of Sample Collection	11:47am June 13, 2011	11:54am June 13, 2011	12:00pm June 13, 2011	12:17pm June 13, 2011	12:07pm June 13, 2011	12:12pm June 13, 2011	12:25pm June 13, 2011
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	7.1E-03	4.8E-03	ND	1.1E-02	4.4E-03	2.1E-02	6.2E-03
Cs-134 (about 2 years)	2.0E-02	9.7E-03	ND	1.3E-01	9.5E-03	2.0E-01	4.3E-02
Cs-137 (about 30 years)	2.4E-02	ND	ND	1.5E-01	9.1E-03	2.4E-01	5.3E-02
Te-129 (about 70 minutes)	ND	ND	ND	ND	ND	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	ND	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	ND	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	ND	ND	ND

. E - means . ×10.

ND: when the detected amount is below the detection limit in this analysis (I-131: approx. 1E-2Bq/cm<sup>3</sup>, Cs-134: approx. 2E-2Bq/cm<sup>3</sup>, Cs-137: approx. 2E-2Bq/cm<sup>3</sup>)

【Final】 Nuclides analysis result of sub-drain water around the Central Rad Waste Treatment Facility

Place of sampling	Southeast, T/B, Unit 4, Fukushima Daiichi	Northeast, Process Main Building, Fukushima Daiichi	Souththeast, Process Main Building, Fukushima Daiichi	South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	Southwest, On-site Bunker Building, Fukushima Daiichi	West, Incineration Workshop Building	North, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi
Time and Date of Sample Collection	11:40am June 14, 2011	11:50am June 14, 2011	11:55am June 14, 2011	12:12pm June 14, 2011	/	12:05pm June 14, 2011	12:18pm June 14, 2011
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	3.3E-02	ND	ND	ND	/	ND	ND
Cs-134 (about 2 years)	5.5E-02	8.6E-03	ND	3.7E-02	/	5.4E-01	3.7E-02
Cs-137 (about 30 years)	6.6E-02	1.1E-02	ND	4.6E-02	/	6.0E-01	3.3E-02
Te-129 (about 70 minutes)	ND	ND	ND	ND	/	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	/	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	/	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	/	ND	ND

. E - means . × 10.

ND: when the detected amount is below the detection limit in this analysis (I-131: approx. 1E-2Bq/cm<sup>3</sup>, Cs-134: approx. 2E-2Bq/cm<sup>3</sup>, Cs-137: approx. 2E-2Bq/cm<sup>3</sup>)

【Final】 Nuclides analysis result of sub-drain water around the Central Rad Waste Treatment Facility

Place of sampling	Southeast, T/B, Unit 4, Fukushima Daiichi	Northeast, Process Main Building, Fukushima Daiichi	Souththeast, Process Main Building, Fukushima Daiichi	South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	Southwest, On-site Bunker Building, Fukushima Daiichi	West, Incineration Workshop Building	North, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi
Time and Date of Sample Collection	11:42am June 15, 2011	11:48am June 15, 2011	11:54am June 15, 2011	12:04pm June 15, 2011	Out of scope	11:59am June 15, 2011	12:10pm June 15, 2011
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	ND	ND	ND	ND	/	ND	ND
Cs-134 (about 2 years)	2.9E-02	ND	ND	4.8E-02	/	3.7E-01	4.8E-02
Cs-137 (about 30 years)	ND	ND	ND	5.9E-02	/	4.0E-01	3.7E-02
Te-129 (about 70 minutes)	ND	ND	ND	ND	/	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	/	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	/	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	/	ND	ND

. E - means . ×10.

ND: when the detected amount is below the detection limit in this analysis (I-131: approx.2E-2Bq/cm3, Cs-134: approx. 2E-2Bq/cm3, Cs-137: approx. 2E-2Bq/cm3)

【Final】 Nuclides analysis result of sub-drain water around the Central Rad Waste Treatment Facility

Place of sampling	Southeast, T/B, Unit 4, Fukushima Daiichi	Northeast, Process Main Building, Fukushima Daiichi	Souththeast, Process Main Building, Fukushima Daiichi	South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	Southwest, On-site Bunker Building, Fukushima Daiichi	West, Incineration Workshop Building	North, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi
Time and Date of Sample Collection	11:30am June 16, 2011	11:36am June 16, 2011	11:41am June 16, 2011	11:51am June 16, 2011	Out of scope	11:47am June 16, 2011	11:57am June 16, 2011
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	1.6E-02	ND	ND	ND	/	2.9E-02	ND
Cs-134 (about 2 years)	2.7E-02	ND	ND	3.0E-02	/	4.1E-01	3.8E-02
Cs-137 (about 30 years)	4.3E-02	ND	ND	2.6E-02	/	4.5E-01	3.9E-02
Te-129 (about 70 minutes)	ND	ND	ND	ND	/	ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND	/	ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND	/	ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND	/	ND	ND

. E - means . ×10.

ND: when the detected amount is below the detection limit in this analysis (I-131: approx. 9E-3Bq/cm<sup>3</sup>, Cs-134: approx. 2E-2Bq/cm<sup>3</sup>, Cs-137: approx. 2E-2Bq/cm<sup>3</sup>)

【Final】 Nuclides analysis result of sub-drain water around the Central Rad Waste Treatment Facility

Place of sampling	Southeast, T/B, Unit 4, Fukushima Daiichi	Northeast, Process Main Building, Fukushima Daiichi	Souththeast, Process Main Building, Fukushima Daiichi	South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi	Southwest, On-site Bunker Building, Fukushima Daiichi	West, Incineration Workshop Building	North, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi
Time and Date of Sample Collection	11:38am June 17, 2011	11:46am June 17, 2011	11:51am June 17, 2011	12:01pm June 17, 2011	Out of scope	11:57am June 17, 2011	12:07pm June 17, 2011
Detected Nuclides (Half-life)	Radioactivity Density of Sample (Bq/cm <sup>3</sup> )						
I-131 (about 8 days)	9.0E-03	4.3E-03	ND	ND		ND	ND
Cs-134 (about 2 years)	2.3E-02	ND	ND	2.8E-02		6.6E-01	2.7E-02
Cs-137 (about 30 years)	2.2E-02	ND	ND	3.3E-02		6.9E-01	3.2E-02
Te-129 (about 70 minutes)	ND	ND	ND	ND		ND	ND
Te-129m (about 34 days)	ND	ND	ND	ND		ND	ND
Cs-136 (about 13 days)	ND	ND	ND	ND		ND	ND
Ba-140 (about 13 days)	ND	ND	ND	ND		ND	ND

. E - means . × 10.

ND: when the detected amount is below the detection limit in this analysis (I-131: approx. 2E-2Bq/cm<sup>3</sup>, Cs-134: approx. 7E-3Bq/cm<sup>3</sup>, Cs-137: approx. 7E-3Bq/cm<sup>3</sup>)

**【Definite Report】 Result of Nuclide Analysis of Seawater <Offshore of Ibaraki Prefecture 1/2>**

Place of Sampling	3 km offshore of Takadokobama shore Upper Layer		3 km offshore of Takadokobama shore Lower Layer		3 km offshore of Kujihama shore Upper Layer		3 km offshore of Kujihama shore Lower Layer		3 km offshore of Oarai shore Upper Layer		3 km offshore of Oarai shore Lower Layer		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	2011/6/3 8:57		2011/6/3 8:54		2011/6/4 8:43		2011/6/4 8:41		2011/6/4 13:24		2011/6/4 13:30		
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 (approx 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (approx 2 yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (approx 30 yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx 66 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (approx 6 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (approx 70分)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx 2 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 7Bq/L, Cs-134: approx. 17Bq/L, Cs-137: approx. 16Bq/L

However, detection limits differs depending on the



**【Definite Report】 Result of Nuclide Analysis of Seawater <Offshore of Ibaraki Prefecture 2/2>**

Place of Sampling	3 km offshore of Hirai shore Upper Layer		3 km offshore of Hirai shore Lower Layer		3 km offshore of Hasaki shore Upper Layer		3 km offshore of Hasaki shore Lower Layer						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	2011/6/3 10:40		2011/6/3 10:47		2011/6/3 7:55		2011/6/3 8:00						
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 (approx 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (approx 2 yrs)	ND	-	ND	-	ND	-	ND	-					60
Cs-137 (approx 30 yrs)	ND	-	ND	-	ND	-	ND	-					90
Mo-99 (approx 66 hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Tc-99m (approx 6 hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (approx 34 days)	ND	-	ND	-	ND	-	ND	-					300
Te-129 (approx 70分)	ND	-	ND	-	ND	-	ND	-					10,000
Te-132 (approx 3 days)	ND	-	ND	-	ND	-	ND	-					200
I-132 (approx 2 hrs)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (approx 13 days)	ND	-	ND	-	ND	-	ND	-					300
Ba-140 (approx 13 days)	ND	-	ND	-	ND	-	ND	-					300
La-140 (approx 2 days)	ND	-	ND	-	ND	-	ND	-					400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 7Bq/L, Cs-134: approx. 17Bq/L, Cs-137: approx. 16Bq/L

However, detection limits differs depending on the

**【Definite Report】 Result of Nuclide Analysis of Seawater <Offshore of Ibaraki Prefecture 1/2>**

Place of Sampling	3 km offshore of Takadokobama shore Upper Layer		3 km offshore of Takadokobama shore Lower Layer		3 km offshore of Kujihama shore Upper Layer		3 km offshore of Kujihama shore Lower Layer		3 km offshore of Oarai shore Upper Layer		3 km offshore of Oarai shore Lower Layer		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	2011/6/7 8:43		2011/6/7 8:41		2011/6/8 8:50		2011/6/8 8:48		2011/6/8 13:40		2011/6/8 13:36		
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 (approx 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (approx 2 yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (approx 30 yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx 66 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (approx 6 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (approx 70分)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx 2 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 7Bq/L, Cs-134: approx. 17Bq/L, Cs-137: approx. 16Bq/L

However, detection limits differs depending on the

**【Definite Report】 Result of Nuclide Analysis of Seawater <Offshore of Ibaraki Prefecture 2/2>**

Place of Sampling	3 km offshore of Hirai shore Upper Layer		3 km offshore of Hirai shore Lower Layer		3 km offshore of Hasaki shore Upper Layer		3 km offshore of Hasaki shore Lower Layer						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	2011/6/7 10:32		2011/6/7 10:35		2011/6/7 7:49		2011/6/7 7:52						
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 (approx 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (approx 2 yrs)	ND	-	ND	-	ND	-	ND	-					60
Cs-137 (approx 30 yrs)	ND	-	ND	-	ND	-	ND	-					90
Mo-99 (approx 66 hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Tc-99m (approx 6 hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (approx 34 days)	ND	-	ND	-	ND	-	ND	-					300
Te-129 (approx 70 days)	ND	-	ND	-	ND	-	ND	-					10,000
Te-132 (approx 3 days)	ND	-	ND	-	ND	-	ND	-					200
I-132 (approx 2 hrs)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (approx 13 days)	ND	-	ND	-	ND	-	ND	-					300
Ba-140 (approx 13 days)	ND	-	ND	-	ND	-	ND	-					300
La-140 (approx 2 days)	ND	-	ND	-	ND	-	ND	-					400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 7Bq/L, Cs-134: approx. 17Bq/L, Cs-137: approx. 16Bq/L

However, detection limits differs depending on the

**【Definite Report】 Result of Nuclide Analysis of Seawater <Offshore of Ibaraki Prefecture 1/2>**

Place of Sampling	3 km offshore of Takadokobama shore Upper Layer		3 km offshore of Takadokobama shore Lower Layer		3 km offshore of Kujihama shore Upper Layer		3 km offshore of Kujihama shore Lower Layer		3 km offshore of Oarai shore Upper Layer		3 km offshore of Oarai shore Lower Layer		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	2011/6/10 8:52		2011/6/10 8:48		2011/6/11 9:08		2011/6/11 9:04		2011/6/11 12:37		2011/6/11 12:41		
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 (approx 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (approx 2 yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (approx 30 yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 ( approx 66 hrs )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (approx 6 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 ( approx70分 )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx 2 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 ( approx 13 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 ( approx 2 days )	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 7Bq/L, Cs-134: approx. 17Bq/L, Cs-137: approx. 16Bq/L

However, detection limits differs depending on the

**【Definite Report】 Result of Nuclide Analysis of Seawater <Offshore of Ibaraki Prefecture 2/2>**

Place of Sampling	3 km offshore of Hirai shore Upper Layer		3 km offshore of Hirai shore Lower Layer		3 km offshore of Hasaki shore Upper Layer		3 km offshore of Hasaki shore Lower Layer						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	2011/6/10 10:20		2011/6/10 10:24		2011/6/10 7:39		2011/6/10 7:41						
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 (approx 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (approx 2 yrs)	ND	-	ND	-	ND	-	ND	-					60
Cs-137 (approx 30 yrs)	ND	-	ND	-	ND	-	ND	-					90
Mo-99 (approx 66 hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Tc-99m (approx 6 hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (approx 34 days)	ND	-	ND	-	ND	-	ND	-					300
Te-129 (approx 70 )	ND	-	ND	-	ND	-	ND	-					10,000
Te-132 (approx 3 days)	ND	-	ND	-	ND	-	ND	-					200
I-132 (approx 2 hrs)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (approx 13 days)	ND	-	ND	-	ND	-	ND	-					300
Ba-140 (approx 13 days)	ND	-	ND	-	ND	-	ND	-					300
La-140 (approx 2 days)	ND	-	ND	-	ND	-	ND	-					400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 7Bq/L, Cs-134: approx. 17Bq/L, Cs-137: approx. 16Bq/L

However, detection limits differs depending on the

**【Definite Report】 Result of Nuclide Analysis of Seawater <Offshore of Ibaraki Prefecture 1/2>**

Place of Sampling	3 km offshore of Takadokobama shore Upper Layer		3 km offshore of Takadokobama shore Lower Layer		3 km offshore of Kujihama shore Upper Layer		3 km offshore of Kujihama shore Lower Layer		3 km offshore of Oarai shore Upper Layer		3 km offshore of Oarai shore Lower Layer		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	2011/6/14 10:15		2011/6/14 10:14		2011/6/15 8:43		2011/6/15 8:41		2011/6/15 13:14		2011/6/15 13:12		
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 (approx 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (approx 2 yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (approx 30 yrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90
Mo-99 (approx 66 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Tc-99m (approx 6 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40,000
Te-129m (approx 34 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Te-129 (approx 70分)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	10,000
Te-132 (approx 3 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	200
I-132 (approx 2 hrs)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	3,000
Cs-136 (approx 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
Ba-140 (approx 13 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	300
La-140 (approx 2 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 7Bq/L, Cs-134: approx. 17Bq/L, Cs-137: approx. 16Bq/L

However, detection limits differs depending on the

**【Definite Report】 Result of Nuclide Analysis of Seawater <Offshore of Ibaraki Prefecture 2/2>**

Place of Sampling	3 km offshore of Hirai shore Upper Layer		3 km offshore of Hirai shore Lower Layer		3 km offshore of Hasaki shore Upper Layer		3 km offshore of Hasaki shore Lower Layer						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	2011/6/14 10:52		2011/6/14 10:50		2011/6/14 7:42		2011/6/14 7:40						
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 (approx 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (approx 2 yrs)	ND	-	ND	-	ND	-	ND	-					60
Cs-137 (approx 30 yrs)	ND	-	ND	-	ND	-	ND	-					90
Mo-99 (approx 66 hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Tc-99m (approx 6 hrs)	ND	-	ND	-	ND	-	ND	-					40,000
Te-129m (approx 34 days)	ND	-	ND	-	ND	-	ND	-					300
Te-129 (approx 70 days)	ND	-	ND	-	ND	-	ND	-					10,000
Te-132 (approx 3 days)	ND	-	ND	-	ND	-	ND	-					200
I-132 (approx 2 hrs)	ND	-	ND	-	ND	-	ND	-					3,000
Cs-136 (approx 13 days)	ND	-	ND	-	ND	-	ND	-					300
Ba-140 (approx 13 days)	ND	-	ND	-	ND	-	ND	-					300
La-140 (approx 2 days)	ND	-	ND	-	ND	-	ND	-					400

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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

In the case that the data is below measurable limit, "ND" is stated.

Detection limits of the three main nuclides are as follows: I-131: approx. 7Bq/L, Cs-134: approx. 17Bq/L, Cs-137: approx. 16Bq/L

However, detection limits differs depending on the