

【Definite Report】 Result of Nuclide Analysis of Seawater at Fukushima Daiichi NPS  
Shallow Draft Quay, Unit 2 screen, and the water intake canal of Units 1-4

Place of Collection	Shallow Draft Quay		Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Inside of south water intake canal of 1F's Unit 1-4		Inside of north water intake canal of 1F's Unit 1-4		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection										
Detected nuclide (half-life)	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
I-131 (about 8 days)	1.7E+00	43	2.9E+01	730	6.0E+00	150	5.9E+00	150	2.5E+00	63	4E-02
Cs-134 (about 2 years)	1.4E+00	23	2.1E+01	350	3.6E+00	60	8.3E+00	140	1.7E+00	28	6E-02
Cs-136 (about 13 days)	3.9E-02	0.13	5.1E-01	1.7	6.6E-02	0.22	2.2E-01	0.73	4.9E-02	0.16	3E-01
Cs-137 (about 30 years)	1.5E+00	17	2.1E+01	230	3.8E+00	42	8.6E+00	96	1.8E+00	20	9E-02
Ba-140 (about 13 days)	1.2E-01	0.40	9.6E-01	3.2	1.4E-01	0.47	3.2E-01	1.1	Not Detectable	-	3E-01
La-140 (about 2 days)	Not Detectable	-	3.6E-01	0.90	4.7E-02	0.12	1.5E-01	0.38	2.4E-02	0.06	4E-01

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

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

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Shallow Draft Quay, Unit 2 screen, and the water intake canal of Units 1-4

Place of Collection	Shallow Draft Quay		Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Inside of south water intake canal of 1F's Unit 1-4		Inside of north water intake canal of 1F's Unit 1-4		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/4/25 6:15	2011/4/25 6:48	2011/4/25 6:43	2011/4/25 6:58	2011/4/25 6:34					
Detected nuclide (half-life)	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
I-131 (about 8 days)	7.6E-01	19	5.6E+01	1,400	1.1E+01	280	6.7E+00	170	4.0E+00	100	4E-02
Cs-134 (about 2 years)	7.8E-01	13	2.6E+01	430	3.7E+00	62	1.1E+01	180	2.8E+00	47	6E-02
Cs-136 (about 13 days)	2.0E-02	0.07	5.9E-01	2.0	8.3E-02	0.28	2.4E-01	0.80	6.6E-02	0.22	3E-01
Cs-137 (about 30 years)	8.1E-01	9.0	2.7E+01	300	3.9E+00	43	1.1E+01	120	2.8E+00	31	9E-02
Ba-140 (about 13 days)	Not Detectable	-	1.0E+00	3.3	1.6E-01	0.53	5.2E-01	1.7	1.8E-01	0.60	3E-01
La-140 (about 2 days)	Not Detectable	-	3.6E-01	0.90	4.2E-02	0.11	1.8E-01	0.45	3.3E-02	0.08	4E-01

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

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

【Definite Report】 Result of Nuclide Analysis of Seawater at Fukushima Daiichi NPS  
Shallow Draft Quay, Unit 2 screen, and the water intake canal of Units 1-4

Place of Collection	Shallow Draft Quay		Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Inside of south water intake canal of 1F's Unit 1-4		Inside of north water intake canal of 1F's Unit 1-4		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/4/26 6:50		2011/4/26 7:27		2011/4/26 7:22		2011/4/26 7:39		2011/4/26 7:11	
Detected nuclide (half-life)	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
I-131 (about 8 days)	6.6E-01	17	1.3E+02	3,300	7.7E+01	1,900	5.7E+00	140	5.8E+00	150	4E-02
Cs-134 (about 2 years)	6.7E-01	11	2.4E+01	400	1.7E+01	280	9.7E+00	160	2.8E+00	47	6E-02
Cs-136 (about 13 days)	1.2E-02	0.04	5.2E-01	1.7	3.6E-01	1.2	2.3E-01	0.77	5.4E-02	0.18	3E-01
Cs-137 (about 30 years)	7.5E-01	8.3	2.5E+01	280	1.7E+01	190	1.0E+01	110	2.9E+00	32	9E-02
Ba-140 (about 13 days)	Not Detectable	-	9.1E-01	3.0	6.1E-01	2.0	3.7E-01	1.2	Not Detectable	-	3E-01
La-140 (about 2 days)	Not Detectable	-	2.5E-01	0.63	2.1E-01	0.53	1.8E-01	0.45	4.8E-02	0.12	4E-01

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

**【Definite Report】** Result of Nuclide Analysis of Seawater at Fukushima Daiichi NPS  
Shallow Draft Quay, Unit 2 screen, and the water intake canal of Units 1-4

Place of Collection	Shallow Draft Quay		Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Inside of south water intake canal of 1F's Unit 1-4		Inside of north water intake canal of 1F's Unit 1-4		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and date of sample collection	2011/4/27 6:30		2011/4/27 7:06		2011/4/27 6:59		2011/4/27 7:16		2011/4/27 6:51		
Detected nuclide (half-life)	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
I-131 (about 8 days)	1.1E+00	28	6.3E+01	1,600	1.0E+01	250	6.7E+00	170	7.1E+00	180	4E-02
Cs-134 (about 2 years)	9.1E-01	15	2.6E+01	430	3.8E+00	63	9.7E+00	160	3.5E+00	58	6E-02
Cs-136 (about 13 days)	2.1E-02	0.07	5.0E-01	1.7	7.7E-02	0.26	2.0E-01	0.67	6.5E-02	0.22	3E-01
Cs-137 (about 30 years)	9.4E-01	10	2.7E+01	300	4.0E+00	44	1.0E+01	110	3.5E+00	39	9E-02
Ba-140 (about 13 days)	Not Detectable	-	8.5E-01	2.8	1.4E-01	0.47	3.4E-01	1.1	1.8E-01	0.60	3E-01
La-140 (about 2 days)	Not Detectable	-	3.0E-01	0.75	5.2E-02	0.13	2.0E-01	0.50	3.8E-02	0.10	4E-01

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

【Definite Report】 Result of Nuclide Analysis of Seawater at Fukushima Daiichi NPS  
Shallow Draft Quay, Unit 2 screen, and the water intake canal of Units 1-4

Place of Collection	Shallow Draft Quay		Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Inside of south water intake canal of 1F's Unit 1-4		Inside of north water intake canal of 1F's Unit 1-4		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/4/28 6:26	2011/4/28 6:59	2011/4/28 6:54	2011/4/28 7:10	2011/4/28 6:45					
Detected nuclide (half-life)	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
I-131 (about 8 days)	1.2E+00	30	1.2E+02	3,000	1.4E+01	350	5.2E+00	130	1.6E+00	40	4E-02
Cs-134 (about 2 years)	9.1E-01	15	2.1E+01	350	3.8E+00	63	7.1E+00	120	1.0E+00	17	6E-02
Cs-136 (about 13 days)	1.2E-02	0.04	4.1E-01	1.4	8.7E-02	0.29	1.4E-01	0.47	2.1E-02	0.07	3E-01
Cs-137 (about 30 years)	1.0E+00	11	2.1E+01	230	4.0E+00	44	7.2E+00	80	1.1E+00	12	9E-02
Ba-140 (about 13 days)	Not Detectable	-	6.1E-01	2.0	1.3E-01	0.43	2.3E-01	0.77	Not Detectable	-	3E-01
La-140 (about 2 days)	Not Detectable	-	2.3E-01	0.58	5.5E-02	0.14	1.0E-01	0.25	Not Detectable	-	4E-01

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Shallow Draft Quay, Unit 2 screen, and the water intake canal of Units 1-4

Place of Collection	Shallow Draft Quay		Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Inside of south water intake canal of 1F's Unit 1-4		Inside of north water intake canal of 1F's Unit 1-4		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/4/29 6:25	2011/4/29 6:57	2011/4/29 6:50	2011/4/29 7:10	2011/4/29 6:43					
Detected nuclide (half-life)	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1.0E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2.0E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4.0E+01
I-131 (about 8 days)	4.3E-01	11	1.0E+02	2,500	3.9E+00	98	4.9E+00	120	6.4E+00	160	4E-02
Cs-134 (about 2 years)	4.3E-01	7.2	1.4E+01	230	1.9E+00	32	1.2E+01	200	3.0E+00	50	6E-02
Cs-136 (about 13 days)	Not Detectable	-	2.4E-01	0.80	4.5E-02	0.15	2.1E-01	0.70	5.4E-02	0.18	3E-01
Cs-137 (about 30 years)	4.6E-01	5.1	1.4E+01	160	2.0E+00	22	1.2E+01	130	3.1E+00	34	9E-02
Ba-140 (about 13 days)	Not Detectable	-	3.1E-01	1.0	Not Detectable	-	4.1E-01	1.4	Not Detectable	-	3E-01
La-140 (about 2 days)	Not Detectable	-	1.3E-01	0.33	2.4E-02	0.06	2.1E-01	0.53	5.1E-02	0.13	4E-01

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Shallow Draft Quay, Unit 2 screen, and the water intake canal of Units 1-4

Place of Collection	Shallow Draft Quay		Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Inside of south water intake canal of 1F's Unit 1-4		Inside of north water intake canal of 1F's Unit 1-4		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/4/30 6:30	2011/4/30 6:59	2011/4/30 6:55	2011/4/30 7:10	2011/4/30 6:48	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
I-131 (about 8 days)	4.6E-01	12	1.3E+02	3,300	8.3E+00	210	8.6E-01	22	6.9E+00	170	4E-02
Cs-134 (about 2 years)	5.4E-01	9.0	7.1E+00	120	3.2E+00	53	1.2E+00	20	3.2E+00	53	6E-02
Cs-136 (about 13 days)	9.8E-03	0.03	1.5E-01	0.50	5.9E-02	0.20	2.2E-02	0.07	4.1E-02	0.14	3E-01
Cs-137 (about 30 years)	5.8E-01	6.4	7.3E+00	81	3.3E+00	37	1.2E+00	13	3.2E+00	36	9E-02
Ba-140 (about 13 days)	5.0E-02	0.17	Not Detectable	-	Not Detectable	-	Not Detectable	-	1.6E-01	0.53	3E-01
La-140 (about 2 days)	Not Detectable	-	7.5E-02	0.19	4.3E-02	0.11	Not Detectable	-	5.2E-02	0.13	4E-01

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Place of Collection	Shallow Draft Quay		Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Inside of south water intake canal of 1F's Unit 1-4		Inside of north water intake canal of 1F's Unit 1-4		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/1 6:30		2011/5/1 6:57		2011/5/1 6:53		2011/5/1 7:09		2011/5/1 6:46	
Detected nuclide (half-life)	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
I-131 (about 8 days)	5.0E-01	13	1.0E+02	2,500	6.6E+00	170	2.5E+00	63	6.2E+00	160	4E-02
Cs-134 (about 2 years)	6.5E-01	11	6.3E+00	110	2.5E+00	42	7.1E+00	120	3.0E+00	50	6E-02
Cs-136 (about 13 days)	1.1E-02	0.04	1.1E-01	0.37	3.6E-02	0.12	1.1E-01	0.37	5.4E-02	0.18	3E-01
Cs-137 (about 30 years)	7.0E-01	7.8	6.5E+00	72	2.6E+00	29	7.4E+00	82	3.1E+00	34	9E-02
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	2.3E-01	0.77	1.7E-01	0.57	3E-01
La-140 (about 2 days)	Not Detectable	-	4.2E-02	0.11	3.5E-02	0.09	1.2E-01	0.30	4.6E-02	0.12	4E-01

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Place of Collection	Shallow Draft Quay		Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Inside of south water intake canal of 1F's Unit 1-4		Inside of north water intake canal of 1F's Unit 1-4		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/2 6:37	2011/5/2 7:07	2011/5/2 7:03	2011/5/2 7:16	2011/5/2 6:55					
Detected nuclide (half-life)	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
I-131 (about 8 days)	2.7E-01	6.8	2.3E+02	5,800	4.6E+01	1,200	6.5E-01	16	2.7E+00	68	4E-02
Cs-134 (about 2 years)	3.4E-01	5.7	5.4E+00	90	4.7E+00	78	1.3E+00	22	1.7E+00	28	6E-02
Cs-136 (about 13 days)	Not Detectable	-	8.7E-02	0.29	6.4E-02	0.21	1.7E-02	0.06	2.4E-02	0.08	3E-01
Cs-137 (about 30 years)	3.8E-01	4.2	5.6E+00	62	5.0E+00	56	1.4E+00	16	1.7E+00	19	9E-02
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 (about 2 days)	Not Detectable	-	5.3E-02	0.13	2.8E-02	0.07	1.4E-02	0.04	Not Detectable	-	4E-01

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

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Place of Collection	Shallow Draft Quay		Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Inside of south water intake canal of 1F's Unit 1-4		Inside of north water intake canal of 1F's Unit 1-4		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/3 6:21	2011/5/3 6:50	2011/5/3 6:46	2011/5/3 6:58	2011/5/3 6:37					
Detected nuclide (half-life)	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
I-131 (about 8 days)	2.9E-01	7.3	5.6E+01	1,400	4.1E+00	100	3.2E+00	80	4.0E+00	100	4E-02
Cs-134 (about 2 years)	3.6E-01	6.0	4.4E+00	73	2.3E+00	38	6.6E+00	110	2.3E+00	38	6E-02
Cs-136 (about 13 days)	8.3E-03	0.03	5.0E-02	0.17	3.4E-02	0.11	1.0E-01	0.33	2.9E-02	0.10	3E-01
Cs-137 (about 30 years)	3.8E-01	4.2	4.5E+00	50	2.4E+00	27	6.8E+00	76	2.4E+00	27	9E-02
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 (about 2 days)	Not Detectable	-	4.3E-02	0.11	2.3E-02	0.06	1.3E-01	0.33	3.1E-02	0.08	4E-01

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

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

【Definite Report】 Result of Nuclide Analysis of Seawater at Fukushima Daiichi NPS  
Shallow Draft Quay, Unit 2 screen, and the water intake canal of Units 1-4

Place of Collection	Shallow Draft Quay		Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Inside of south water intake canal of 1F's Unit 1-4		Inside of north water intake canal of 1F's Unit 1-4		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/4 6:18		2011/5/4 6:45		2011/5/4 6:42		2011/5/4 6:53		2011/5/4 6:36	
Detected nuclide (half-life)	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
I-131 (about 8 days)	2.5E-01	6.3	3.3E+01	830	4.9E+00	120	2.7E-01	6.8	4.2E+00	110	4E-02
Cs-134 (about 2 years)	3.5E-01	5.8	4.2E+00	70	3.3E+00	55	5.2E-01	8.7	3.1E+00	52	6E-02
Cs-136 (about 13 days)	Not Detectable	-	7.0E-02	0.23	4.9E-02	0.16	Not Detectable	-	4.0E-02	0.13	3E-01
Cs-137 (about 30 years)	3.6E-01	4.0	4.2E+00	47	3.4E+00	38	5.0E-01	5.6	3.2E+00	36	9E-02
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 (about 2 days)	Not Detectable	-	4.4E-02	0.11	3.6E-02	0.09	Not Detectable	-	5.6E-02	0.14	4E-01

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

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

**【Definite Report】 Results of Nuclide Analyses of Soil  
at the bottom of Shallow Draft Quay**

Place of Collection	Soil at the bottom of Shallow Draft Quay
Time and date of sample collection	2011/4/29 13:50
Detected nuclide (half-life)	Density of sample (Bq/L)
Mn-54 (about 313 days)	Not Detectable
Co-60 (about 5 years)	Not Detectable
Te-129	Not Detectable
Te-129m	1.6E+04
Tc-99m (about 6 hours)	Not Detectable
I-131 (about 8 days)	5.2E+04
Cs-134 (about 2 years)	9.0E+04
Cs-136 (about 13 days)	1.5E+03
Cs-137 (about 30 years)	8.7E+04
Ba-140 (about 13 days)	2.9E+03
La-140 (about 2 days)	3.0E+03

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

【Definite Report】 Result of Nuclide Analysis of Seawater at Fukushima Daiichi NPS  
Shallow Draft Quay, Unit 2 screen, and the water intake canal of Units 1-4

Place of Collection	Shallow Draft Quay		Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Inside of south water intake canal of 1F's Unit 1-4		Inside of north water intake canal of 1F's Unit 1-4		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/5 6:18	2011/5/5 7:30	2011/5/5 7:20	2011/5/5 7:08	2011/5/5 6:40					
Detected nuclide (half-life)	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
I-131 (about 8 days)	2.0E-01	5.0	9.4E+00	240	3.9E+00	98	2.0E-01	5.0	5.1E+00	130	4E-02
Cs-134 (about 2 years)	3.0E-01	5.0	3.7E+00	62	3.9E+00	65	5.1E-01	8.5	3.7E+00	62	6E-02
Cs-136 (about 13 days)	Not Detectable	-	5.1E-02	0.17	5.1E-02	0.17	Not Detectable	-	4.8E-02	0.16	3E-01
Cs-137 (about 30 years)	3.1E-01	3.4	3.7E+00	41	4.0E+00	44	5.1E-01	5.7	3.8E+00	42	9E-02
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1.6E-01	0.53	3E-01
La-140 (about 2 days)	Not Detectable	-	5.1E-02	0.13	3.7E-02	0.09	Not Detectable	-	3.4E-02	0.09	4E-01

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

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

【Definite Report】 Result of Nuclide Analysis of Seawater at Fukushima Daiichi NPS  
Shallow Draft Quay, Unit 2 screen, and the water intake canal of Units 1-4

Place of Collection	Shallow Draft Quay		Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Inside of south water intake canal of 1F's Unit 1-4		Inside of north water intake canal of 1F's Unit 1-4		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/6 6:27	2011/5/6 6:50	2011/5/6 7:00	2011/5/6 7:10	2011/5/6 6:35					
Detected nuclide (half-life)	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
I-131 (about 8 days)	2.7E-01	6.8	9.8E+00	250	4.0E+00	100	2.2E-01	5.5	2.6E+00	65	4E-02
Cs-134 (about 2 years)	4.1E-01	6.8	3.3E+00	55	2.4E+00	40	5.6E-01	9.3	2.1E+00	35	6E-02
Cs-136 (about 13 days)	Not Detectable	-	3.3E-02	0.11	3.7E-02	0.12	9.9E-03	0.03	3.0E-02	0.10	3E-01
Cs-137 (about 30 years)	4.2E-01	4.7	3.4E+00	38	2.6E+00	29	6.2E-01	6.9	2.2E+00	24	9E-02
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 (about 2 days)	Not Detectable	-	4.1E-02	0.10	2.8E-02	0.07	Not Detectable	-	2.7E-02	0.07	4E-01

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

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

【Definite Report】 Result of Nuclide Analysis of Seawater at Fukushima Daiichi NPS  
Shallow Draft Quay, Unit 2 screen, and the water intake canal of Units 1-4 <1/2>

Place of Collection	Shallow Draft Quay		Screen of 1F's Unit 2 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Inside of south water intake canal of 1F's Unit 1-4		Inside of north water intake canal of 1F's Unit 1-4		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and date of sample collection	2011/5/7 6:35	2011/5/7 7:00	2011/5/7 7:10	2011/5/7 7:20	2011/5/7 6:55					
Detected nuclide (half-life)	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	Density of sample (Bq/L)	Scaling factor ( / )	
Mn-54 (about 313 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	1E+00
Co-60 (about 5 years)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	2E-01
Tc-99m (about 6 hours)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	4E+01
I-131 (about 8 days)	3.0E-01	7.5	5.0E+00	130	4.1E+00	100	2.3E-01	5.8	3.4E+00	85	4E-02
Cs-134 (about 2 years)	4.7E-01	7.8	2.7E+00	45	2.2E+00	37	5.3E-01	8.8	2.1E+00	35	6E-02
Cs-136 (about 13 days)	Not Detectable	-	3.2E-02	0.11	2.6E-02	0.09	8.9E-03	0.03	2.4E-02	0.08	3E-01
Cs-137 (about 30 years)	4.9E-01	5.4	2.8E+00	31	2.3E+00	26	5.7E-01	6.3	2.3E+00	26	9E-02
Ba-140 (about 13 days)	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	Not Detectable	-	3E-01
La-140 (about 2 days)	Not Detectable	-	2.9E-02	0.07	Not Detectable	-	Not Detectable	-	3.5E-02	0.09	4E-01

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

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

【Definite Report】 Result of Nuclide Analysis of Seawater at Fukushima Daiichi NPS  
Shallow Draft Quay, Unit 2 screen, and the water intake canal of Units 1-4 <2/2>

Place of Collection	Unit 2 Screen ( inside the silt fence ) Upper layer											
	Time and date of sample collection	2011/5/2/ 7:07	2011/5/3/ 6:50	2011/5/3/ 11:10	2011/5/4/ 6:45	2011/5/4/ 11:07	2011/5/5/ 7:30	2011/5/5/ 9:50	2011/5/6/ 6:50	2011/5/6/ 9:45	2011/5/7/ 7:00	2011/5/7/ 9:37
Detected nuclide (half-life)	Density of sample (Bq/L)	Density of sample (Bq/L)	Density of sample (Bq/L)	Density of sample (Bq/L)	Density of sample (Bq/L)	Density of sample (Bq/L)	Density of sample (Bq/L)	Density of sample (Bq/L)	Density of sample (Bq/L)	Density of sample (Bq/L)	Density of sample (Bq/L)	Density of sample (Bq/L)
Mn-54 (about 313 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Co-60 (about 5 years)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Tc-99m (about 6 hours)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
I-131 (about 8 days)	2.3E+02	5.6E+01	2.2E+02	3.3E+01	1.3E+02	9.4E+00	6.7E+01	9.8E+00	6.5E+01	5.0E+00	3.7E+01	
Cs-134 (about 2 years)	5.4E+00	4.4E+00	5.0E+00	4.2E+00	4.9E+00	3.7E+00	4.4E+00	3.3E+00	3.5E+00	2.7E+00	3.4E+00	
Cs-136 (about 13 days)	8.7E-02	5.0E-02	6.1E-02	7.0E-02	6.2E-02	5.1E-02	5.3E-02	3.3E-02	4.7E-02	3.2E-02	3.2E-02	
Cs-137 (about 30 years)	5.6E+00	4.5E+00	5.2E+00	4.2E+00	5.1E+00	3.7E+00	4.5E+00	3.4E+00	3.7E+00	2.8E+00	3.5E+00	
Ba-140 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	
La-140 (about 2 days)	5.3E-02	4.3E-02	5.2E-02	4.4E-02	5.3E-02	5.1E-02	5.5E-02	4.1E-02	3.5E-02	2.9E-02	3.8E-02	

E - means . x 10 -

Place of Collection	Unit 2 Screen ( inside the silt fence ) Lower layer									
	Time and date of sample collection	2011/5/3/ 11:15	2011/5/4/ 11:24	2011/5/5/ 9:55	2011/5/6/ 9:55	2011/5/7/ 9:48				
Detected nuclide (half-life)	Density of sample (Bq/L)	Density of sample (Bq/L)	Density of sample (Bq/L)	Density of sample (Bq/L)	Density of sample (Bq/L)	Density of sample (Bq/L)				
Mn-54 (about 313 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable				
Co-60 (about 5 years)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable				
Tc-99m (about 6 hours)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable				
I-131 (about 8 days)	6.2E+01	5.3E+01	2.2E+01	2.5E+01	2.2E+01					
Cs-134 (about 2 years)	5.5E+00	5.2E+00	4.3E+00	4.1E+00	4.3E+00					
Cs-136 (about 13 days)	7.8E-02	7.2E-02	4.9E-02	5.5E-02	7.6E-02					
Cs-137 (about 30 years)	5.7E+00	5.3E+00	4.5E+00	4.2E+00	4.6E+00					
Ba-140 (about 13 days)	Not Detectable	Not Detectable	2.1E-01	1.8E-01	Not Detectable					
La-140 (about 2 days)	Not Detectable	4.4E-02	1.9E-02	2.0E-02	Not Detectable					

E - means . x 10 -