<Reference>

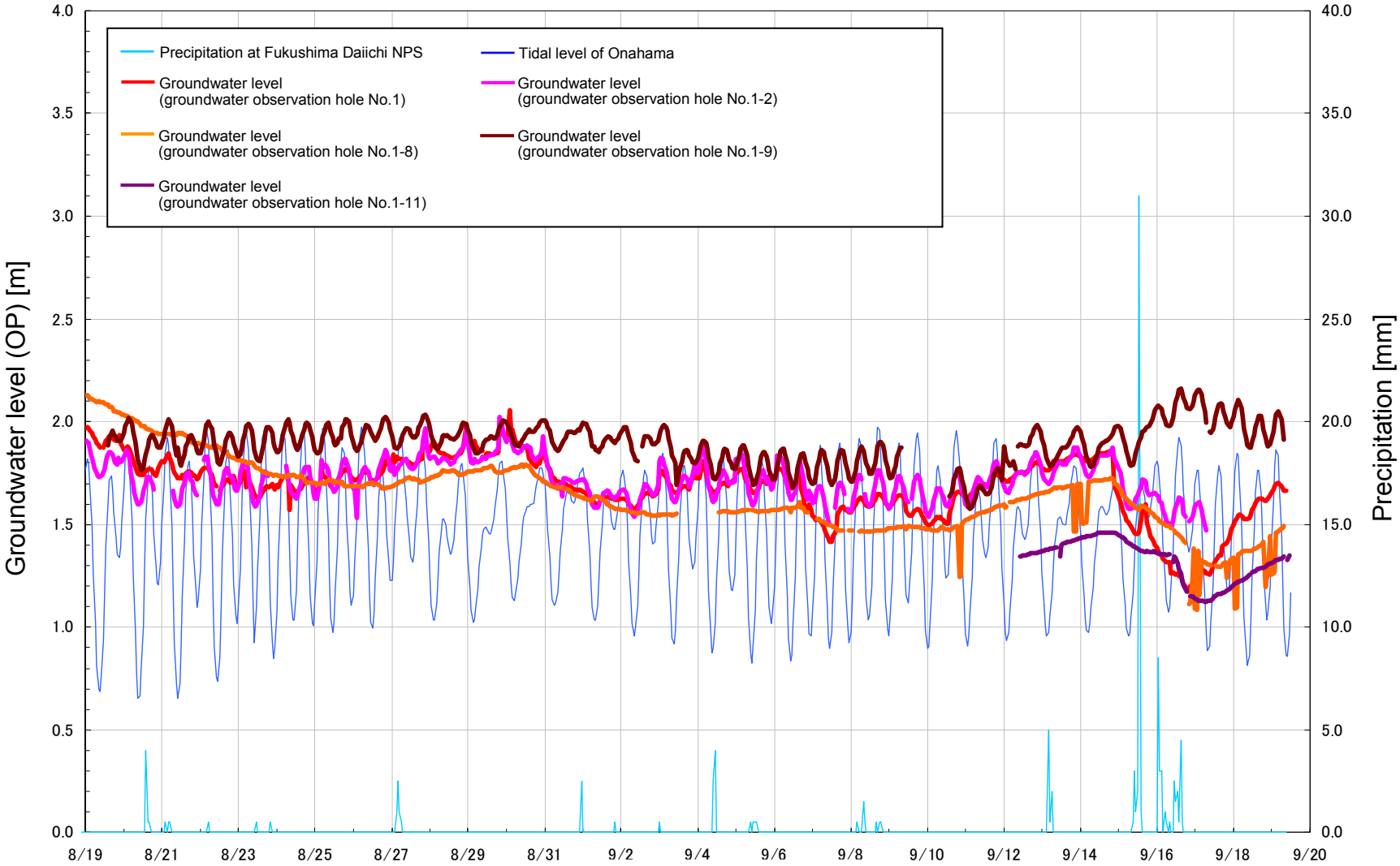
Condition of Radioactive Density of the Groundwater and the Seawater at the East Side of Turbine Buildings

September 20, 2013

Tokyo Electric Power Company

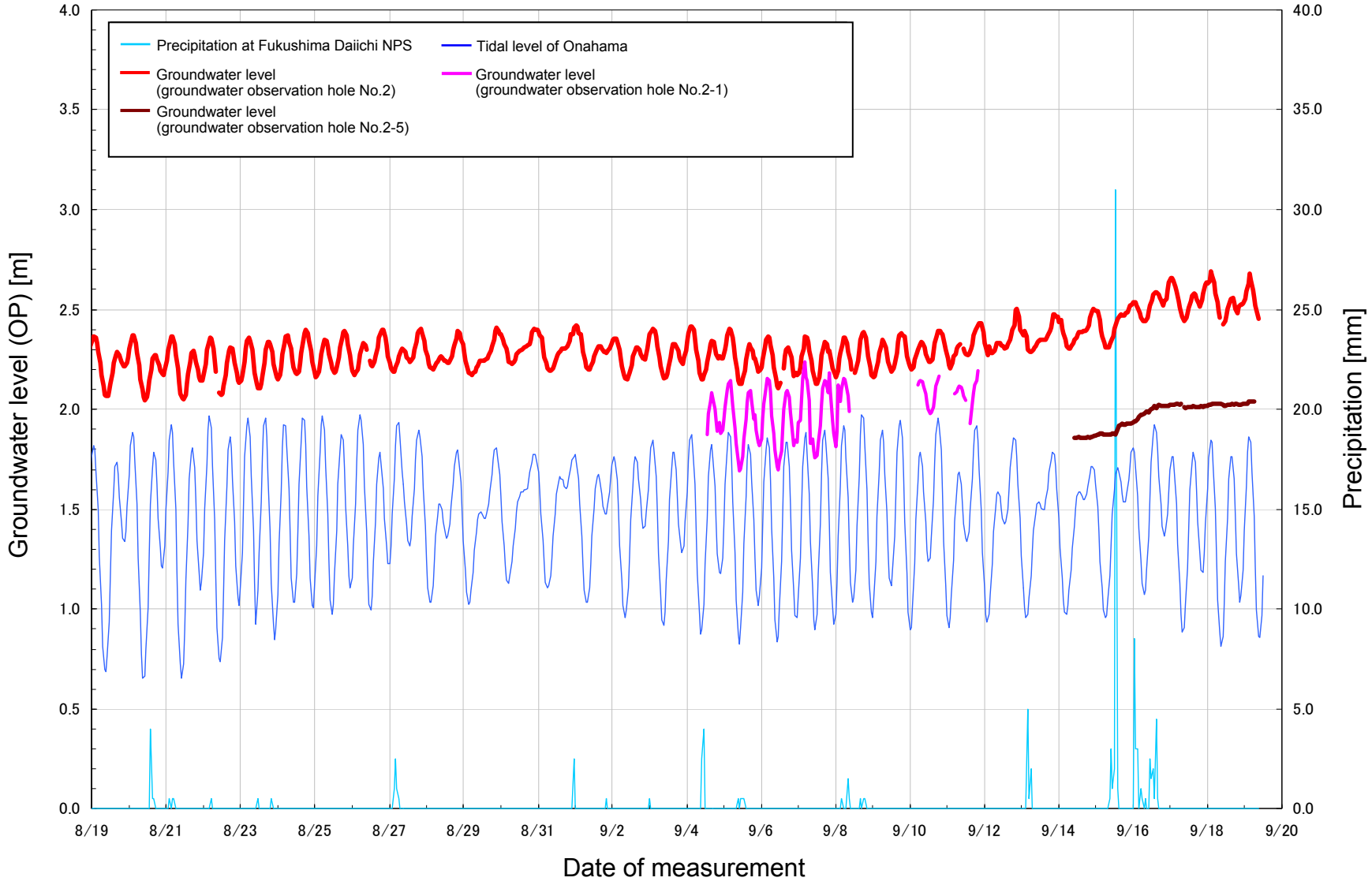
TEPCO 東京電力

Transition of the groundwater level between Unit 1 and 2 (August 19 - September 19)



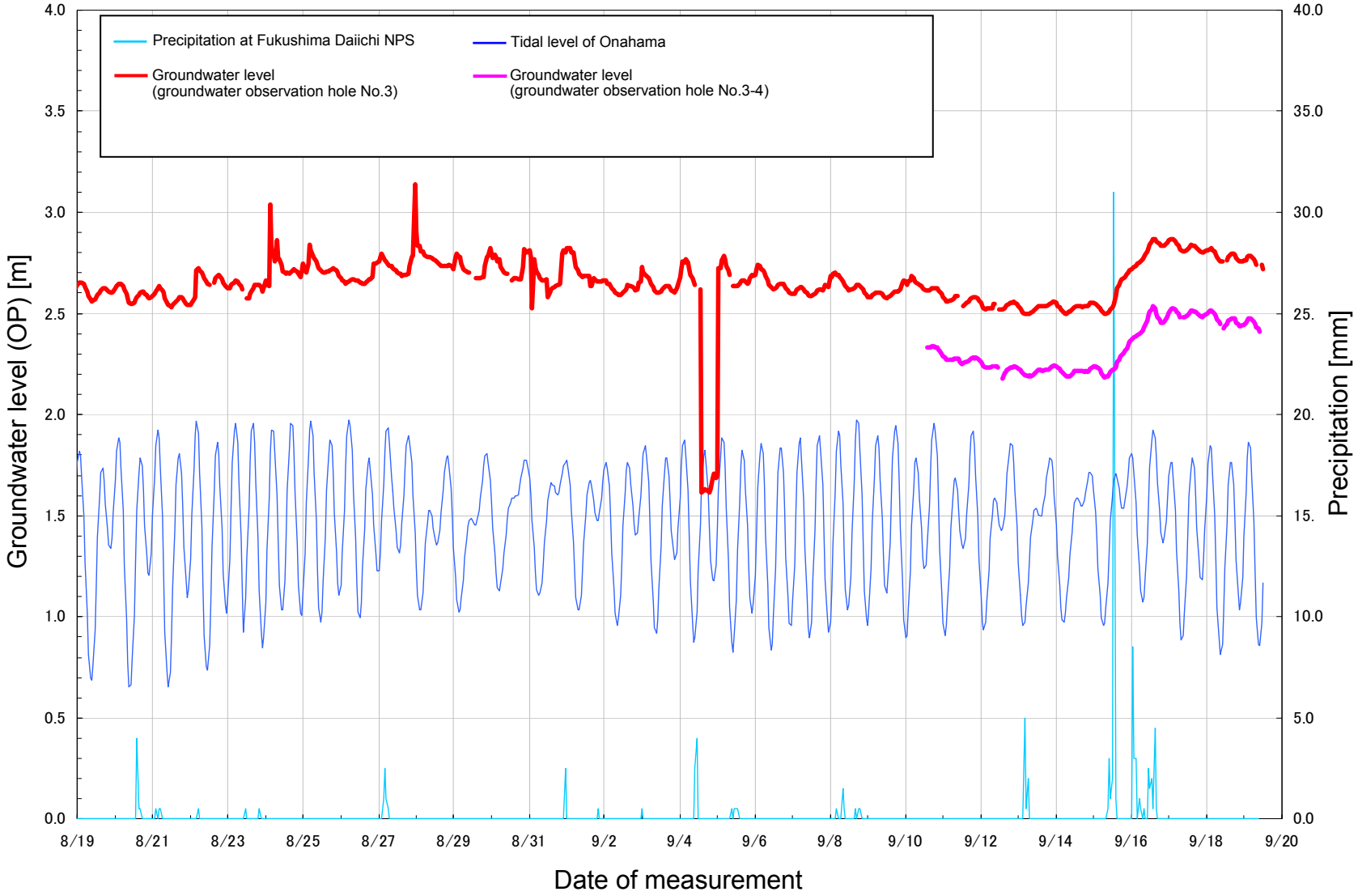
* Automatic measurement data measured by water gauge
* No measurement could be performed at the groundwater observation hole No.1-3, since chemical has flowed into the hole. A water gauge has temporarily removed from the groundwater observation hole No.1-5 due to the ground improvement work. As for the ground observation hole No.1-9, there are some measurement results missing due to failure of the water gauge.

Transition of the groundwater level between Unit 2 and 3 (August 19 - September 19)



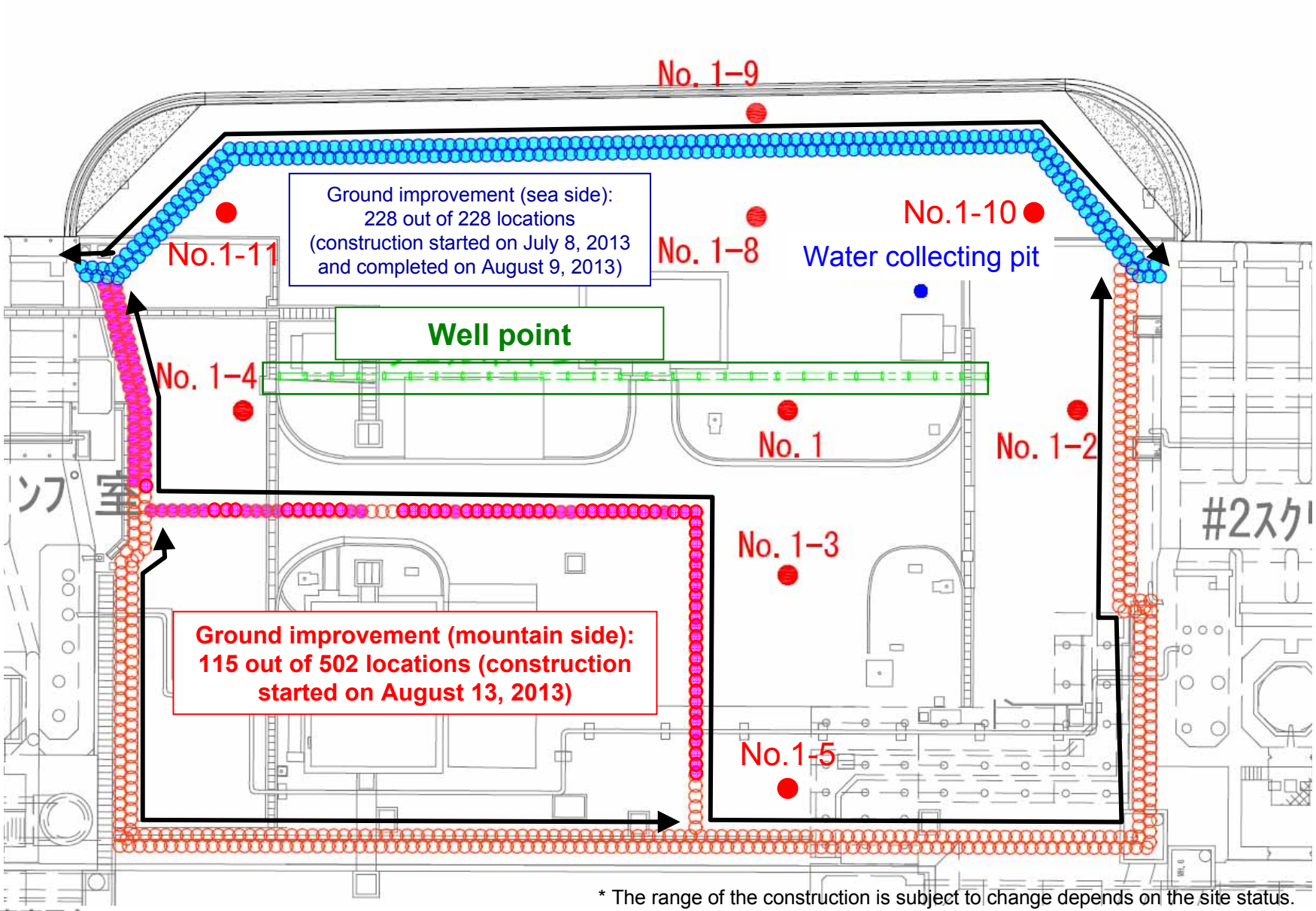
* Automatic measurement data measured by water gauge

Transition of the groundwater level between Unit 3 and 4 (August 19 - September 19)



* Automatic measurement data measured by water gauge

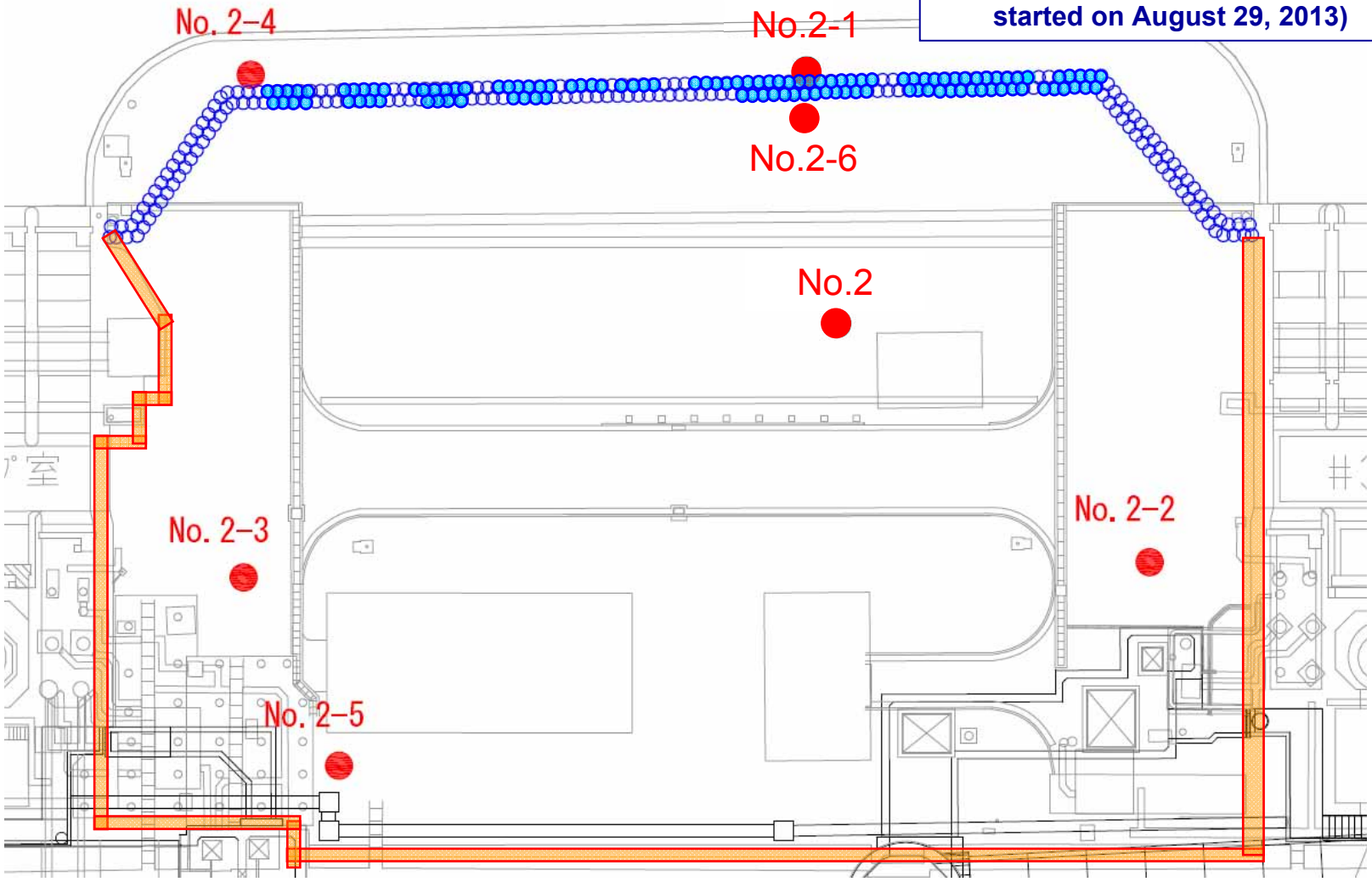
Progress Status of Ground Improvement Construction between Unit 1 and 2 (As of the Morning on September 20)



* The range of the construction is subject to change depends on the site status.

Progress Status of Ground Improvement Construction between Unit 2 and 3 (As of the Morning on September 20)

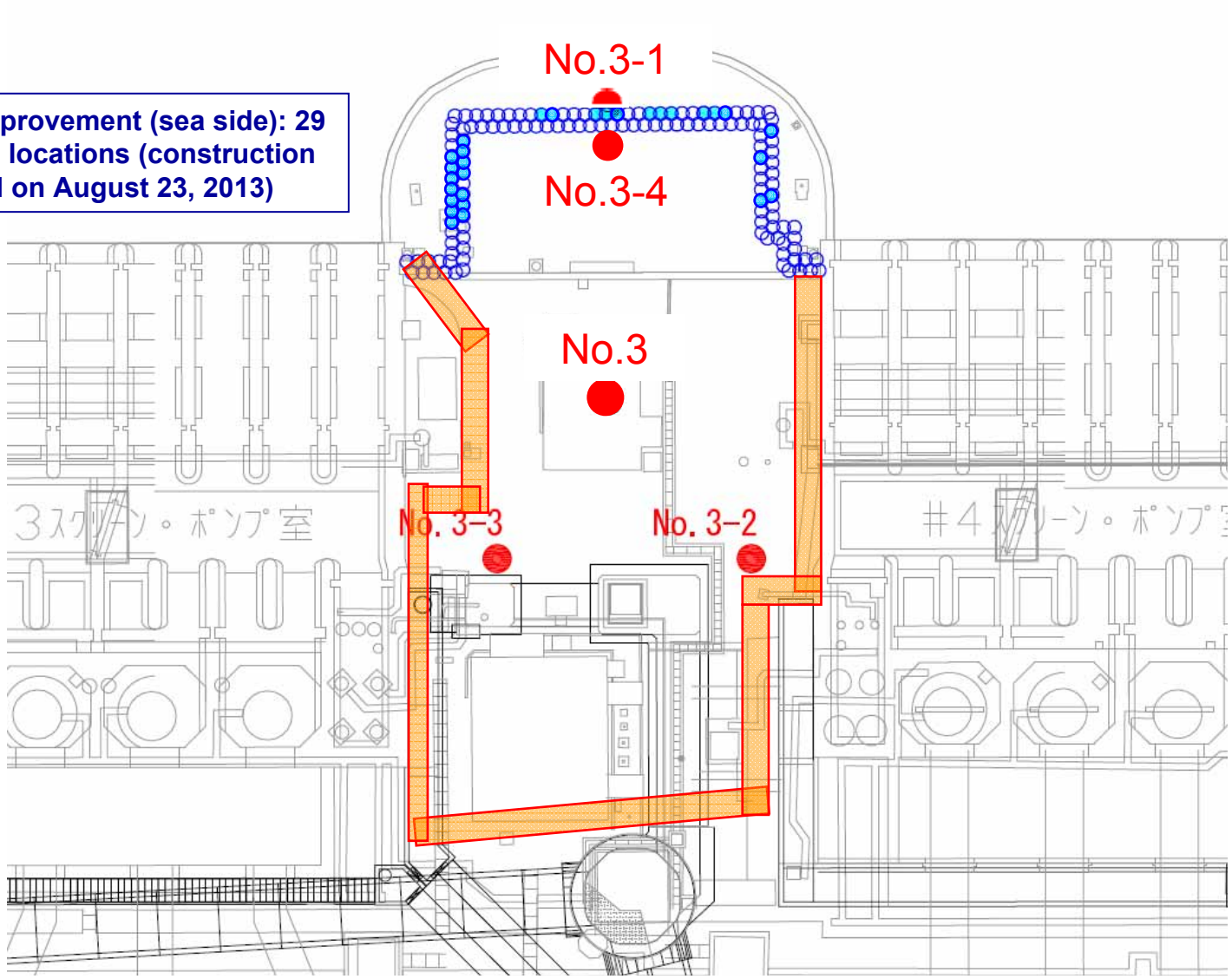
Ground improvement (sea side): 94 out of 249 locations (construction started on August 29, 2013)



* The range of the construction is subject to change depends on the site status.

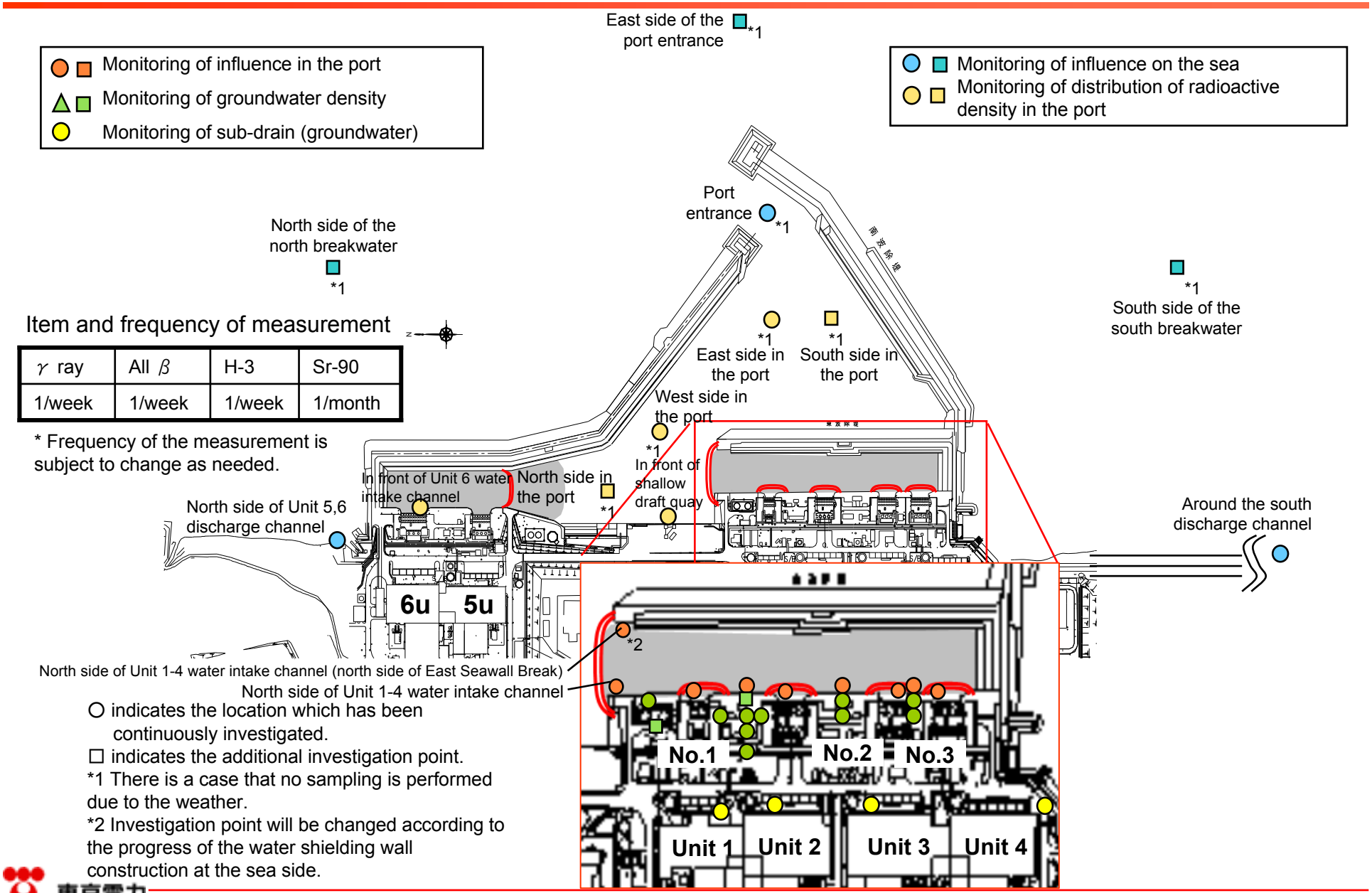
Progress Status of Ground Improvement Construction between Unit 3 and 4 (As of the Morning on September 20)

Ground improvement (sea side): 29 out of 132 locations (construction started on August 23, 2013)



*1 The range of the construction is subject to change depends on the site status.
*2 Groundwater observation hole No.3-1 will be not in use due to the ground improvement construction.

Monitoring Plan (Sampling Locations)



Item and frequency of measurement

γ ray	All β	H-3	Sr-90
1/week	1/week	1/week	1/month

* Frequency of the measurement is subject to change as needed.

○ indicates the location which has been continuously investigated.
□ indicates the additional investigation point.
*1 There is a case that no sampling is performed due to the weather.
*2 Investigation point will be changed according to the progress of the water shielding wall construction at the sea side.

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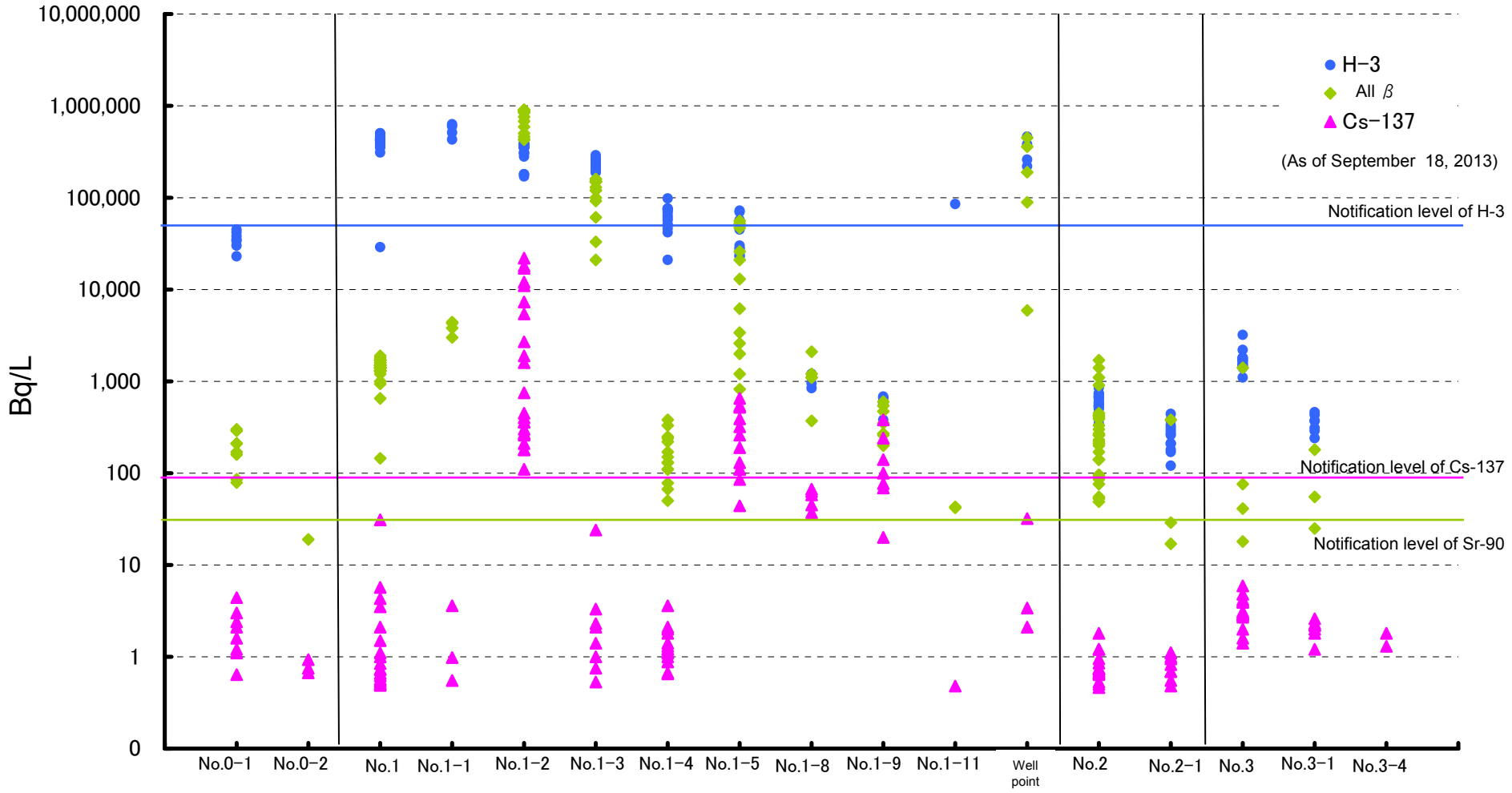
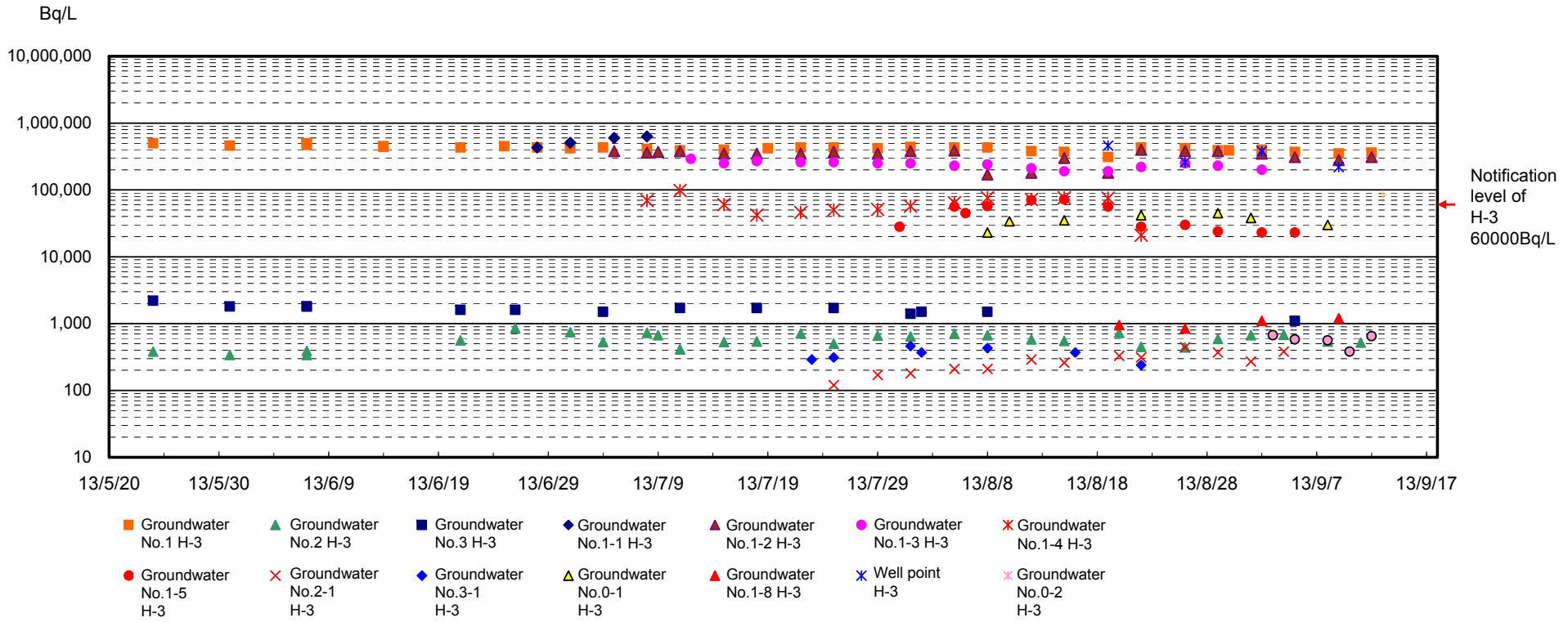
Density Distribution of the Groundwater (Comparison by the Sampling Point)



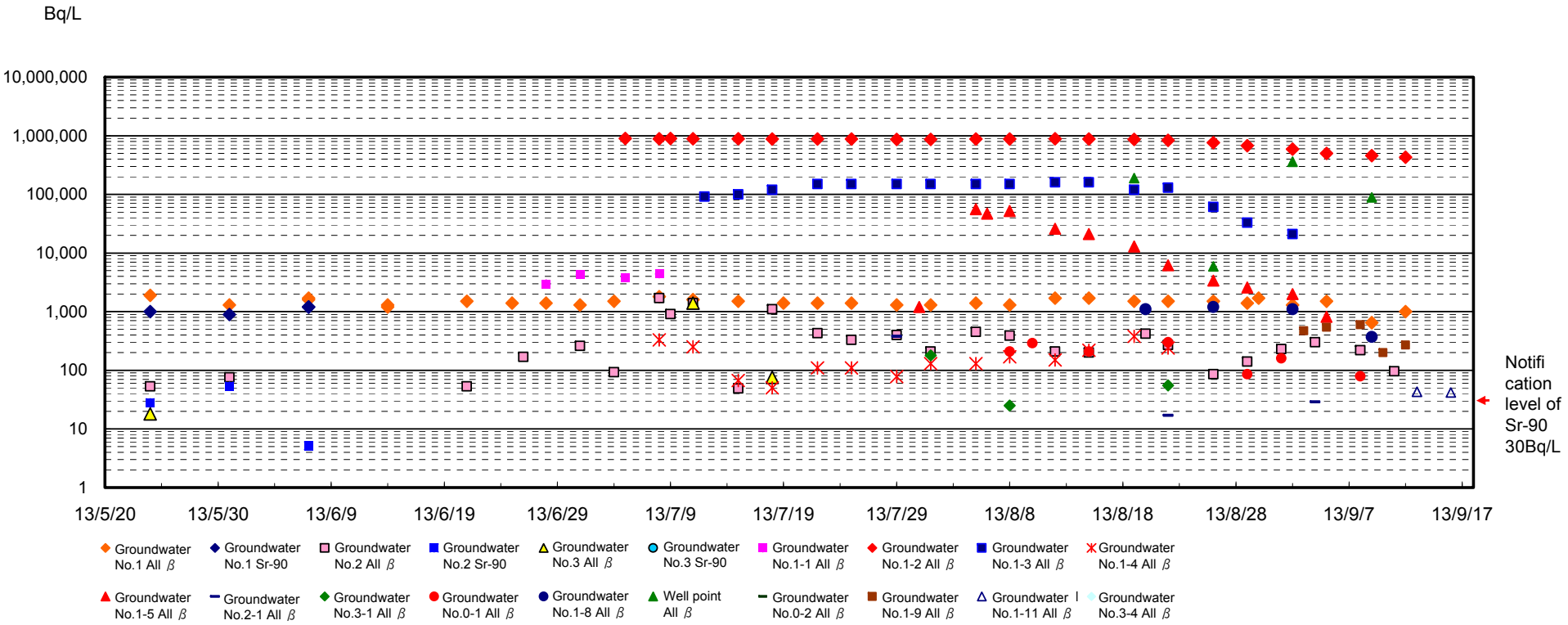
Density Transition of Tritium in the Groundwater

As of September 19, 2013



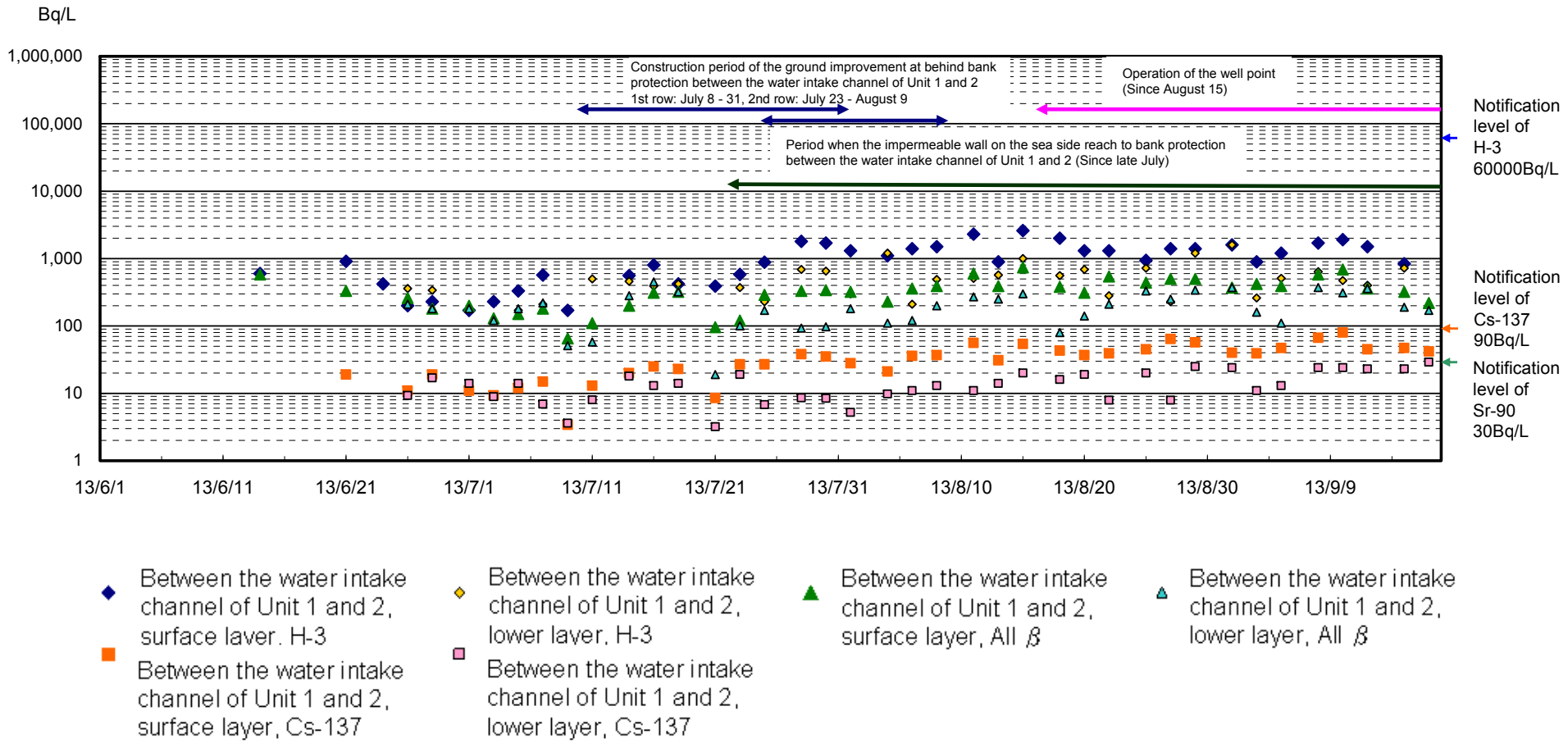
Density Transition of All β and Strontium in the Groundwater

As of September 19, 2013



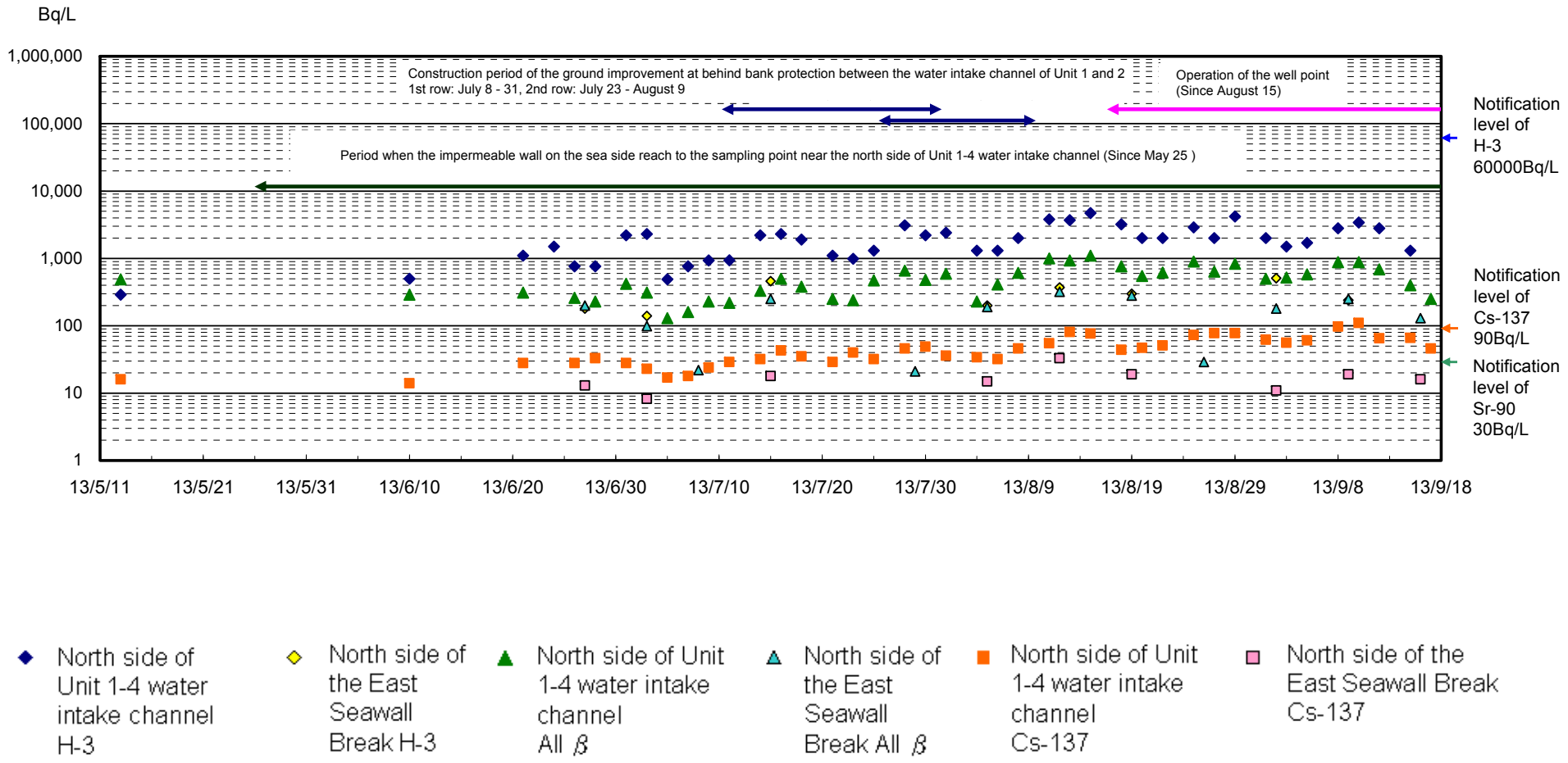
Density Transition in the Seawater Obtained at Water Intake Channel between Unit 1 and Unit 2

As of September 19, 2013



Density Transition in the Seawater Obtained at Unit 1-4 Water Intake Channel and the North Side of the East Seawall Break

As of September 19, 2013



Groundwater observation hole No.0-1 (Bq/L)

Sampling date	2013/8/8	2013/8/8 Remeasurement	2013/8/10	2013/8/15	2013/8/22	2013/8/29	2013/9/1	2013/9/8	2013/9/15
Sampling time	2:15 PM	2:15 PM	9:35 AM	10:52 AM	9:41 AM	9:50 AM	11:03 AM	12:02 PM	9:52 AM
Cs-134	0.61		0.66	0.39	ND (0.42)	1.4	0.80	0.92	1.7
Cs-137	1.6		1.2	1.1	0.64	3.0	2.1	2.4	4.4
Ru-106	ND		ND	ND	ND	ND	ND	ND	ND
Mn-54	ND		ND	ND	ND	ND	ND	ND	ND
Co-60	ND		ND	ND	ND	ND	ND	ND	ND
Sb-125	ND		ND	ND	ND	ND	ND	ND	ND
All β	210		290	210	300	86	160	79	170
H-3	23,000	23,000	34,000	35,000	42,000	45,000	38,000	30,000	Under measurement
Sr-90	Under measurement		-	-	-	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Groundwater observation hole No.0-2 (Bq/L)

Sampling date	2013/9/2	2013/9/8	2013/9/15
Sampling time	9:51 AM	12:35 PM	10:32 AM
Cs-134	ND (0.47)	ND (0.46)	ND (0.42)
Cs-137	0.75	0.67	0.93
Ru-106	ND	ND	ND
Mn-54	ND	ND	ND
Co-60	ND	ND	ND
Sb-125	ND	ND	ND
All β	ND (24)	ND (17)	19
H-3	ND (120)	ND (130)	Under measurement
Sr-90	Under measurement	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Groundwater observation hole No.1 (Bq/L)

Sampling date	2012/12/8*2	2013/5/24	2013/5/31	2013/6/7 ①	2013/6/7 ②	2013/6/14 ①	2013/6/14 ②	2013/6/21	2013/6/25	2013/6/28	2013/7/1	2013/7/4	2013/7/8	2013/7/11	2013/7/15	2013/7/19
Sampling time	11:00 AM	4:19 PM	3:01 PM	3:45 PM	3:45 PM	2:29 PM	2:29 PM	9:01 AM	1:39 PM	5:50 PM	3:05 PM	11:50 AM	1:30 PM	12:51 PM	1:00 PM	8:02 AM
Cs-134	ND (0.59)	ND (0.45)	0.53	ND (0.42)	ND (0.40)	ND (0.37)	ND (0.37)	ND (0.36)	ND (0.39)	ND (0.40)	1.1	ND (0.64)	ND (0.50)	ND (0.61)	ND (0.43)	ND (0.48)
Cs-137	ND (0.72)	ND (0.45)	0.57	ND (0.53)	0.49	ND (0.43)	0.51	0.53	ND (0.49)	ND (0.43)	1.5	ND (0.47)	ND (0.47)	1.0	ND (0.49)	0.73
Ru-106	ND	26	19	19	21	18	19	16	20	16	ND	24	16	15	18	17
Mn-54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Co-60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.50
Sb-125	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND
All β	150	1,900	1,300	1,700	1,600	1,200	1,300	1,500	1,400	1,400	1,300	1,500	1,800	1,600	1,500	1,400
H-3	29,000	500,000	460,000	500,000	470,000	450,000	440,000	430,000	450,000	430,000	420,000	430,000	410,000	390,000	400,000	420,000
Sr-90	8.6	1,000	890	1,200	1,200	Under measurement	Under measurement	Under measurement	-	-	-	-	-	-	-	-

*1 "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.
*2 As of γ nuclide measurement, the amount is lower than true value since the high BG is in use.

Sampling date	2013/7/22	2013/7/25	2013/7/29	2013/8/1	2013/8/5	2013/8/8	2013/8/12	2013/8/15	2013/8/19	2013/8/22	2013/8/26	2013/8/29	2013/8/30	2013/9/2	2013/9/5	2013/9/9
Sampling time	1:21 PM	1:15 PM	11:50 AM	11:55 AM	12:23 PM	11:29 AM	10:46 AM	12:01 PM	10:21 AM	10:58 AM	10:36 AM	10:15 AM	11:25 AM	10:07 AM	9:40 AM	10:51 AM
Cs-134	ND (0.42)	ND (0.42)	ND (0.46)	ND (0.44)	ND (0.52)	0.52	ND (0.42)	ND (0.54)	3.2	ND (0.57)	ND (0.47)	13	0.98	1.5	2.5	ND (0.40)
Cs-137	ND (0.45)	ND (0.55)	ND (0.51)	0.55	0.62	1.1	0.50	ND (0.49)	4.3	0.66	0.84	31	2.1	3.5	5.7	0.72
Ru-106	ND	12	17	14	17	15	12	11	14	7.9	14	17	17	11	12	12
Mn-54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Co-60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sb-125	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
All β	1,400	1,400	1,300	1,300	1,400	1,300	1,700	1,700	1,500	1,500	1,500	1,400	1,700	1,300	1,500	650
H-3	430,000	430,000	420,000	440,000	430,000	430,000	380,000	370,000	310,000	430,000	420,000	390,000	390,000	400,000	370,000	350,000
Sr-90	-	Under measurement	-	-	-	-	-	-	-	Under measurement	-	-	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Sampling date	2013/9/12	2013/9/16
Sampling time	9:30 AM	10:25 AM
Cs-134	ND (0.46)	ND (0.57)
Cs-137	ND (0.58)	ND (0.67)
Ru-106	6.5	7.6
Mn-54	ND	ND
Co-60	ND	ND
Sb-125	ND	ND
All β	1,000	940
H-3	360,000	Under measurement
Sr-90	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Groundwater observation hole No.1-1 (Bq/L)

Sampling date	2013/6/28	2013/7/1	2013/7/5	2013/7/8
Sampling time	4:40 PM	4:05 PM	11:00 AM	2:35 PM
Cs-134	ND (0.41)	ND (0.44)	ND (0.42)	1.9
Cs-137	ND (0.51)	0.98	0.55	3.6
Ru-106	-	7.8	7.7	7.9
Mn-54	0.52	0.92	1.0	0.78
Co-60	ND	ND	ND	ND
Sb-125	ND	ND	ND	ND
All β	3,000	4,300	3,800	4,400
H-3	430,000	510,000	600,000	630,000
Sr-90	Under measurement	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Groundwater observation hole No.1-2 (Bq/L)

Sampling date	2013/7/5	2013/7/8	2013/7/8 (Filtration)	2013/7/9	2013/7/9 (Filtration)	2013/7/9 (Residue)	2013/7/11	2013/7/11 (Filtration)	2013/7/15	2013/7/15 (Filtration)	2013/7/18	2013/7/18 (Filtration)	2013/7/22	2013/7/22 (Filtration)	2013/7/25	2013/7/25 (Filtration)
Sampling time	12:10 PM	2:00 PM	2:00 PM	1:00 PM	1:00 PM	1:00 PM	1:25 PM	1:25 PM	1:23 PM	1:23 PM	1:23 PM	1:23 PM	1:47 PM	1:47 PM	2:00 PM	2:00 PM
Cs-134	99	9,000	94	11,000	130	10,000	8,200	98	5,900	ND (21)	5,400	ND (25)	3,500	50	2,600	ND (22)
Cs-137	210	18,000	190	22,000	270	20,000	17,000	150	12,000	ND (21)	11,000	ND (25)	7,300	71	5,400	25
Ru-106	95	ND		ND			ND		ND		ND		ND		ND	
Mn-54	62	25		ND			ND		ND		ND		ND		ND	
Co-60	1.2	3.1		ND			ND		ND		ND		ND		ND	
Sb-125	35	ND		ND			ND		250		ND		ND		ND	
All β	900,000	890,000	920,000	900,000	890,000		890,000		890,000		880,000		880,000		880,000	
H-3	380,000	360,000		370,000			380,000		350,000		350,000		350,000		370,000	
Sr-90	Under measurement	-		-			-		-		-		-		-	

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Sampling date	2013/7/29	2013/7/29 (Filtration)	2013/8/1	2013/8/1 (Filtration)	2013/8/5	2013/8/5 (Filtration)	2013/8/8	2013/8/8 (Filtration)	2013/8/12	2013/8/12 (Filtration)	2013/8/15	2013/8/15 (Filtration)	2013/8/19	2013/8/19 (Filtration)	2013/8/22	2013/8/22 (Filtration)
Sampling time	12:10 PM	12:10 PM	12:25 PM	12:25 PM	12:46 PM	12:46 PM	1:38 PM	1:38 PM	12:27 PM	12:27 PM	1:35 PM	1:35 PM	12:06 PM	12:06 PM	12:33 PM	12:33 PM
Cs-134	1,300	ND (18)	760	ND (26)	350	ND (18)	200	19	180	ND (20)	150	ND (18)	880	53	150	110
Cs-137	2,700	ND (21)	1,600	45	750	ND (22)	400	29	400	ND (23)	360	38	1,900	97	360	230
Ru-106	ND		ND		ND		ND		ND		160		ND		ND	
Mn-54	ND		ND		ND		ND		ND		ND		ND		ND	
Co-60	ND		ND		ND		ND		ND		ND		ND		ND	
Sb-125	180		110		110		170		130		95		200		ND	
All β	870,000		870,000		880,000		880,000		890,000		880,000		870,000		840,000	
H-3	350,000		380,000		390,000		170,000		180,000		300,000		180,000		400,000	
Sr-90	-		-		-		Under measurement		-		-		-		-	

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Sampling date	2013/8/26	2013/8/26 (Filtration)	2013/8/29	2013/8/29 (Filtration)	2013/9/2	2013/9/2 (Filtration)	2013/9/5	2013/9/5 (Filtration)	2013/9/9	2013/9/9 (Filtration)	2013/9/12	2013/9/12 (Filtration)	2013/9/16	2013/9/16 (Filtration)
Sampling time	12:35 PM	12:35 PM	11:42 AM	11:42 AM	11:56 AM	11:56 AM	1:40 PM	1:40 PM	1:37 PM	1:37 PM	9:58 AM	9:58 AM	10:54 AM	1:40 PM
Cs-134	110	80	120	75	140	66	82	52	54	41	110	35	78	52
Cs-137	270	170	260	160	300	150	180	100	110	94	270	100	180	100
Ru-106	ND		ND		ND		ND		ND		ND		ND	
Mn-54	ND		ND		ND		ND		ND		ND		ND	
Co-60	ND		ND		ND		ND		ND		ND		ND	
Sb-125	ND		ND		ND		ND		ND		ND		ND	
All β	760,000		680,000		590,000		500,000		460,000		430,000		430,000	
H-3	380,000		380,000		350,000		310,000		280,000		310,000		Under measurement	
Sr-90	-		-		-		-		-		-		-	

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Groundwater observation hole No.1-3 (Bq/L)

Sampling date	2013/7/12	2013/7/15	2013/7/18	2013/7/22	2013/7/25	2013/7/29	2013/8/1	2013/8/5	2013/8/8	2013/8/12	2013/8/15	2013/8/19	2013/8/22	2013/8/26	2013/8/29	2013/9/2
Sampling time	12:20 PM	1:20 PM	12:36 PM	12:33 PM	12:45 PM	11:26 AM	11:20 AM	11:18 AM	12:18 PM	11:20 AM	12:26 PM	10:54 AM	11:25 AM	11:18 AM	10:38 AM	10:37 AM
Cs-134	ND (0.66)	ND (0.46)	ND (0.39)	ND (0.46)	ND (0.44)	ND (0.44)	ND (0.50)	ND (0.61)	ND (0.55)	ND (0.55)	ND (0.64)	ND (0.56)	1.0	1.1	1.3	10
Cs-137	1.4	ND (0.54)	0.53	ND (0.58)	ND (0.62)	ND (0.47)	0.75	ND (0.60)	1.0	ND (0.67)	ND (0.76)	ND (0.65)	2.3	2.1	3.3	24
Ru-106	16	14	15	17	11	16	15	11	17	12	11	14	12	5.1	4.6	ND
Mn-54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Co-60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sb-125	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND
All β	92,000	100,000	120,000	150,000	150,000	150,000	150,000	150,000	150,000	160,000	160,000	120,000	130,000	61,000	33,000	21,000
H-3	290,000	250,000	270,000	260,000	260,000	250,000	250,000	230,000	240,000	210,000	190,000	190,000	220,000	250,000	230,000	200,000
Sr-90	Under measurement	-	-	-	-	-	-	-	Under measurement	-	-	-	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Groundwater observation hole No.1-4 (Bq/L)

Sampling date	2013/7/8	2013/7/11	2013/7/15	2013/7/18	2013/7/22	2013/7/25	2013/7/29	2013/8/1	2013/8/5	2013/8/8	2013/8/12	2013/8/15	2013/8/19	2013/8/22
Sampling time	3:30 PM	12:25 PM	11:55 AM	12:03 PM	12:18 PM	12:00 PM	10:51 AM	10:43 AM	10:40 AM	11:00 AM	10:21 AM	11:30 AM	9:50 AM	10:20 AM
Cs-134	1.5	0.91	ND (0.41)	0.67	ND (0.43)	0.49	0.48	0.50	ND (0.46)	0.55	ND (0.41)	ND (0.47)	1.1	1.0
Cs-137	3.6	2.0	0.67	1.0	1.1	0.88	1.1	1.4	0.65	1.2	1.3	1.2	2.1	1.8
Ru-106	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1	ND	ND	ND	ND
Mn-54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Co-60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sb-125	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
All β	330	250	67	50	110	110	78	130	130	170	150	220	380	240
H-3	69,000	98,000	60,000	42,000	46,000	50,000	51,000	57,000	64,000	76,000	72,000	76,000	75,000	21,000
Sr-90	Under measurement	-	-	-	-	-	-	-	-	Under measurement	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Groundwater observation hole No.1-5 (Bq/L)

Sampling date	2013/7/31	2013/8/5	2013/8/6	2013/8/8	2013/8/12	2013/8/15	2013/8/19	2013/8/22	2013/8/26	2013/8/29	2013/9/2	2013/9/5
Sampling time	1:05 PM	11:55 AM	10:38 AM	1:05 PM	12:00 PM	1:02 PM	11:40 AM	12:00 PM	12:00 PM	11:13 AM	11:16 AM	12:58 PM
Cs-134	21	310	260	250	190	150	130	91	53	62	40	50
Cs-137	44	650	540	520	390	320	260	190	110	130	85	110
Ru-106	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mn-54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Co-60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sb-125	ND	ND	6.7	12	8.9	9.3	ND	ND	ND	ND	ND	ND
All β	1,200	56,000	47,000	52,000	26,000	21,000	13,000	6,200	3,400	2,600	2,000	820
H-3	28,000	56,000	45,000	57,000	70,000	72,000	56,000	28,000	30,000	24,000	23,000	23,000
Sr-90	Under measurement	-	-	-	-	-	-	Under measurement	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Groundwater observation hole No.1-8 (Bq/L)

Sampling date	2013/8/20	2013/8/26	2013/9/2	2013/9/9	2013/9/16
Sampling time	9:40 AM	9:36 AM	9:37 AM	10:15 AM	10:00 AM
Cs-134	21	26	30	17	31
Cs-137	45	58	63	37	67
Ru-106	ND	ND	ND	ND	ND
Mn-54	ND	0.52	ND	ND	0.76
Co-60	ND	ND	ND	ND	ND
Sb-125	ND	ND	ND	ND	ND
All β	1,100	1,200	1,100	370	2,100
H-3	950	840	1,100	1,200	Under measurement
Sr-90	Under measurement	-	-	-	Under measurement

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Groundwater observation hole No.1-9 (Bq/L)

Sampling date	2013/9/3	2013/9/3 (Filtration)	2013/9/5	2013/9/5 (Filtration)	2013/9/8	2013/9/10	2013/9/12	2013/9/15	2013/9/17
Sampling time	10:20 AM	10:20 AM	10:20 AM	10:20 AM	8:40 AM	6:20 AM	6:55 AM	6:06 AM	6:30 AM
Cs-134	170	66	110	41	59	33	8.7	45	29
Cs-137	380	120	240	110	140	77	20	100	69
Ru-106	ND		ND		ND	ND	ND	ND	ND
Mn-54	ND		ND		ND	ND	ND	ND	ND
Co-60	ND		ND		ND	ND	ND	ND	ND
Sb-125	ND		ND		ND	ND	ND	ND	ND
All β	470		540		600	200	270	350	260
H-3	670		580		560	380	650	680	Under measurement
Sr-90	Under measurement		–		–	–	–	–	–

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Groundwater observation hole No.1-11 (Bq/L)

Sampling date	2013/9/13	2013/9/16
Sampling time	10:35 AM	9:35 AM
Cs-134	ND (0.36)	ND (0.40)
Cs-137	0.48	ND (0.58)
Ru-106	ND	ND
Mn-54	ND	ND
Co-60	ND	ND
Sb-125	ND	ND
All β	43	42
H-3	85,000	Under measurement
Sr-90	Under measurement	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Groundwater pumped up from the well point (Bq/L)

Sampling date	2013/8/19	2013/8/26	2013/9/2	2013/9/9	2013/9/16
Sampling time	11:20 AM	10:30 AM	9:35 AM	1:30 PM	9:45 AM
Cs-134	1.5	1.0	ND (1.6)	ND (0.63)	15
Cs-137	3.4	2.1	ND (1.6)	ND (0.68)	32
Ru-106	17	9.7	25	9.0	12
Mn-54	ND	ND	ND	ND	ND
Co-60	ND	ND	ND	ND	ND
Sb-125	ND	ND	ND	ND	ND
All β	190,000	5,900	360,000	89,000	450,000
H-3	460,000	260,000	380,000	220,000	Under measurement
Sr-90	-	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Groundwater observation hole No.2 (Bq/L)

Sampling date	2012/12/8*2	2013/5/24	2013/5/31	2013/6/7 ①	2013/6/7 ②	2013/6/21	2013/6/26	2013/7/1	2013/7/4	2013/7/8	2013/7/9	2013/7/11	2013/7/15	2013/7/18	2013/7/22	2013/7/25
Sampling time	11:00 AM	4:12 PM	3:16 PM	4:05 PM	4:05 PM	5:44 PM	2:30 PM	4:55 PM	1:05 PM	1:00 PM	12:25 PM	11:30 AM	10:50 AM	11:22 AM	11:37 AM	11:04 AM
Cs-134	ND (0.61)	ND (0.37)	ND (0.41)	0.47	ND (0.37)	ND (0.32)	ND (0.40)	0.48	ND (0.39)	ND (0.49)	0.50	ND (0.47)	ND (0.37)	ND (0.36)	ND (0.44)	ND (0.39)
Cs-137	ND (0.81)	ND (0.41)	0.95	0.73	ND (0.48)	ND (0.37)	ND (0.48)	0.66	ND (0.46)	0.74	0.74	1.2	ND (0.44)	0.50	ND (0.53)	0.46
Ru-106	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mn-54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Co-60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sb-125	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
All β	55	53	76	ND (18)	ND (18)	53	170	260	93	1,700	910	1,400	49	1,100	430	330
H-3	410	380	340	390	340	560	850	740	530	730	670	410	530	540	710	500
Sr-90	8.2	28	54	5.2	5.1	Under measurement	-	-	-	-	-	-	-	-	-	-

*1 "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.
*2 As of γ nuclide measurement, the amount is lower than true value since the high BG is in use.

Sampling date	2013/7/29	2013/8/1	2013/8/5	2013/8/8	2013/8/12	2013/8/15	2013/8/19	2013/8/22	2013/8/26	2013/8/29	2013/9/1	2013/9/4	2013/9/8	2013/9/11	2013/9/15	2013/9/18
Sampling time	11:30 AM	12:05 PM	11:18 AM	11:36 AM	11:10 AM	11:32 AM	9:57 AM	9:25 AM	10:15 AM	10:10 AM	10:00 AM	10:10 AM	11:50 AM	9:27 AM	11:05 AM	9:24 AM
Cs-134	ND (0.40)	ND (0.35)	ND (0.42)	ND (0.39)	ND (0.38)	ND (0.46)	ND (0.42)	ND (0.41)	ND (0.43)	ND (0.43)	ND (0.41)	ND (0.44)	ND (0.47)	0.36	ND (0.36)	ND (0.37)
Cs-137	ND (0.47)	1.2	ND (0.53)	ND (0.49)	ND (0.48)	ND (0.53)	0.68	0.74	0.66	ND (0.54)	ND (0.55)	0.53	0.70	0.64	0.85	ND (0.44)
Ru-106	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mn-54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Co-60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sb-125	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
All β	400	210	450	390	210	200	420	270	86	140	230	300	220	96	140	260
H-3	660	640	700	670	580	550	730	450	440	590	670	680	540	520	590	Under measurement
Sr-90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Groundwater observation hole No.2-1 (Bq/L)

Sampling date	2013/7/25	2013/7/29	2013/8/1	2013/8/5	2013/8/8	2013/8/12	2013/8/15	2013/8/19	2013/8/22	2013/8/26	2013/8/29	2013/9/1	2013/9/4
Sampling time	11:28 AM	10:53 AM	11:19 AM	10:40 AM	11:05 AM	10:34 AM	10:56 AM	9:18 AM	9:57 AM	9:45 AM	9:36 AM	9:30 AM	9:40 AM
Cs-134	ND (0.42)	ND (0.43)	0.44	ND (0.44)	ND (0.40)	ND (0.43)	ND (0.37)	ND (0.45)	ND (0.43)	ND (0.43)	ND (0.43)	0.66	ND (0.40)
Cs-137	0.69	1.0	0.95	0.55	0.69	0.48	ND (0.52)	ND (0.61)	ND (0.56)	ND (0.54)	1.1	1.1	0.82
Ru-106	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mn-54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Co-60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sb-125	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
All β	ND (17)	380	ND (17)	ND (22)	ND (18)	ND (19)	ND (18)	ND (18)	17	ND (18)	ND (20)	ND (19)	29
H-3	120	170	180	210	210	290	260	330	310	440	370	270	380
Sr-90	Under measurement	-	-	-	-	-	-	-	-	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Groundwater observation hole No.3 (Bq/L)

Sampling date	H24.12.12*2	2013/5/24	2013/5/31	2013/6/7 ①	2013/6/7 ②	2013/6/21	2013/6/26	2013/7/4	2013/7/11	2013/7/18	2013/7/25	2013/8/1	2013/8/2	2013/8/8	2013/9/5
Sampling time	11:00 AM	4:52 PM	3:32 PM	3:58 PM	3:58 PM	5:01 PM	3:50 PM	2:00 PM	10:55 AM	10:45 AM	1:30 PM	12:59 PM	2:25 PM	2:19 PM	9:20 AM
Cs-134	ND (0.60)	0.87	1.6	0.9	0.5	1.7	0.96	1.5	1.9	1.2	3.5	1.8	2.4	2.2	3.0
Cs-137	ND (0.79)	1.4	2.7	2.0	1.6	2.9	2.9	2.8	4.8	3.1	3.9	4.2	4.0	5.9	3.0
Ru-106	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mn-54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Co-60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sb-125	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1
All β	41	18	ND (17)	ND (18)	ND (18)	ND (17)	ND (21)	ND (18)	1,400	76	ND (17)	ND (17)	ND (18)	ND (18)	ND (24)
H-3	3,200	2,200	1,800	1,800	1,800	1,600	1,600	1,500	1,700	1,700	1,700	1,400	1,500	1,500	1,100
Sr-90	8.3	ND (1.0)	0.25	ND (0.24)	ND (0.27)	Under measurement	-	-	-	-	-	-	-	-	-

*1 "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.
*2 As of γ nuclide measurement, the amount is lower than true value since the high BG is in use.

Groundwater observation hole No.3-1 (Bq/L)

Sampling date	2013/7/23	2013/7/25	2013/8/1	2013/8/2	2013/8/8	2013/8/16	2013/8/22
Sampling time	11:10 AM	3:15 PM	1:38 PM	3:45 PM	3:04 PM	12:21 PM	11:55 AM
Cs-134	1.1	1.2	1.1	1.0	1.2	0.67	0.68
Cs-137	2.2	2.2	2.6	2.3	2.0	1.8	1.2
Ru-106	ND	ND	ND	ND	ND	ND	ND
Mn-54	ND	ND	ND	ND	ND	ND	ND
Co-60	ND	ND	ND	ND	ND	ND	ND
Sb-125	ND	ND	ND	ND	ND	ND	ND
All β	ND (19)	ND (18)	180	ND (18)	25	ND (20)	55
H-3	290	310	460	370	430	370	240
Sr-90	Under measurement	-	-	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Groundwater observation hole No.3-4 (Bq/L)

Sampling date	2013/9/12	2013/9/18
Sampling time	1:20 PM	10:16 AM
Cs-134	0.52	0.72
Cs-137	1.3	1.8
Ru-106	ND	ND
Mn-54	ND	ND
Co-60	ND	ND
Sb-125	ND	ND
All β	ND (17)	ND (18)
H-3	ND (110)	Under measurement
Sr-90	Under measurement	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

North side of Unit 5,6 discharge channel (Bq/L)

Sampling date	2013/6/21	2013/6/26	2013/7/3	2013/7/8	2013/7/15	2013/7/22	2013/7/29	2013/8/5	2013/8/12	2013/8/19	2013/8/26	2013/9/2	2013/9/9	2013/9/16
Sampling time	7:25 AM	11:25 AM	6:55 AM	6:15 AM	6:05 AM	5:50 AM	5:55 AM	6:55 AM	6:30 AM	6:10 AM	6:00 AM	6:00 AM	6:05 AM	5:55 AM
Cs-134	1.8	ND (1.9)	ND (1.2)	1.4	ND (1.2)	ND (1.3)	ND (0.92)	ND (1.4)	ND (0.93)	ND (1.4)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.3)
Cs-137	2.1	3.3	1.2	2.5	1.5	2.5	ND (1.4)	ND (1.5)	1.4	ND (1.5)	ND (1.7)	ND (1.4)	ND (1.1)	2.3
All β	-	ND (22)	ND (17)	ND (19)	ND (22)	ND (23)	ND (19)	ND (22)	ND (19)	ND (18)	ND (19)	ND (16)	ND (16)	ND (15)
H-3	-	8.6	4.9	3.7	5.5	ND (3.2)	ND (2.9)	3.7	4.7	5.4	8.3	ND (1.8)	ND (1.8)	Under measurement
Sr-90	-	5.8	-	-	-	Under measurement	-	-	-	Under measurement	-	-	-	Under measurement

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

In front of Unit 6 water intake channel, seawater (Bq/L)

Sampling date	2013/6/25	2013/7/2	2013/7/8	2013/7/15	2013/7/22	2013/7/29	2013/8/5	2013/8/12	2013/8/19	2013/8/26	2013/9/2	2013/9/9	2013/9/16
Sampling time	7:15 AM	6:25 AM	6:30 AM	6:15 AM	5:50 AM	6:15 AM	6:10 AM	6:20 AM	6:30 AM	5:50 AM	5:50 AM	5:55 AM	5:40 AM
Cs-134	ND (3.3)	ND (1.7)	ND (2.2)	ND (1.6)	ND (1.4)	ND (2.4)	ND (2.0)	ND (2.4)	2.4	ND (2.0)	ND (3.2)	ND (2.3)	ND (2.4)
Cs-137	ND (2.1)	2.6	ND (1.9)	3.1	ND (1.3)	ND (2.3)	ND (2.7)	ND (2.5)	4.7	ND (2.5)	2.4	ND (2.7)	ND (2.7)
All β	ND (18)	20	ND (17)	ND (22)	ND (21)	ND (19)	ND (22)	ND (19)	46	ND (21)	ND (19)	ND (17)	ND (19)
H-3	6.0	8.2	ND (3.1)	11	ND (3.2)	ND (2.9)	4.1	8.8	24	5.9	8.6	4.0	Under measurement
Sr-90	-	-	-	-	-	-	-	-	-	-	-	-	Under measurement

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

In front of shallow draft quay, seawater (Bq/L)

Sampling date	2013/6/26	2013/7/3	2013/7/8	2013/7/15	2013/7/22	2013/7/29	2013/8/5	2013/8/12	2013/8/19	2013/8/26	2013/9/2	2013/9/9	2013/9/16
Sampling time	6:06 AM	6:03 AM	5:31 AM	5:30 AM	5:25 AM	5:34 AM	6:00 AM	6:10 AM	5:53 AM	5:48 AM	5:49 AM	5:50 AM	5:51 AM
Cs-134	ND (1.8)	1.9	ND (1.8)	ND (2.3)	ND (1.9)	ND (1.7)	5.3	3.5	3.3	ND (2.0)	ND (1.9)	2.3	ND (2.5)
Cs-137	2.3	5.6	5.1	5.7	ND (2.2)	2.2	8.6	7.9	7.4	ND (2.2)	ND (2.5)	4.5	3.7
All β	ND (18)	40	19	35	ND (21)	ND (19)	31	25	28	28	ND (19)	ND (17)	24
H-3	340	ND (120)	ND (120)	ND (120)	ND (120)	ND (120)	ND (130)	ND (120)	ND (120)	ND (120)	ND (130)	ND (110)	Under measurement
Sr-90	7.4	-	-	-	Under measurement	-	-	-	Under measurement	-	-	-	Under measurement

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

North side of Unit 1-4 water intake channel, seawater (Bq/L)

Sampling date	2013/1/14	2013/2/11	2013/3/11	2013/4/15	2013/5/13	2013/6/10	2013/6/21	2013/6/24	2013/6/26	2013/6/28	2013/7/1	2013/7/3	2013/7/5	2013/7/7	2013/7/9	2013/7/11
Sampling time	7:00 AM	6:32 AM	6:27 AM	6:12 AM	5:59 AM	6:01 AM	6:18 AM	5:50 PM	6:13 AM	6:27 AM	6:26 AM	6:08 AM	6:17 AM	6:11 AM	6:09 AM	6:46 AM
Cs-134	3.5	3.7	31	ND (2.5)	9.2	7.3	12	-	18	15	13	13	6.3	8.0	11	12
Cs-137	5.7	10	56	6.0	16	14	28	-	28	33	28	23	17	18	24	29
All β	170	260	230	140	490	290	310	-	260	230	420	310	130	160	230	220
H-3	110	170	120	110	290	500	1,100	1,500	760	760	2,200	2,300	490	760	930	940
Sr-90	-	-	-	-	-	-	Under measurement	-	-	-	-	-	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Sampling date	2013/7/14	2013/7/16	2013/7/18	2013/7/21	2013/7/23	2013/7/25	2013/7/28	2013/7/30	2013/8/1	2013/8/4	2013/8/6	2013/8/8	2013/8/11	2013/8/13	2013/8/15	2013/8/18
Sampling time	6:11 AM	6:08 AM	6:06 AM	5:51 AM	6:23 AM	6:11 AM	6:13 AM	6:04 AM	6:23 AM	6:13 AM	6:05 AM	6:02 AM	6:04 AM	6:11 AM	6:15 AM	6:05 AM
Cs-134	14	19	14	16	18	18	24	21	19	14	13	17	27	34	32	18
Cs-137	32	43	35	29	40	32	46	49	36	34	32	46	55	81	77	44
All β	330	500	380	250	240	470	660	480	590	230	410	610	1,000	930	1,100	760
H-3	2,200	2,300	1,900	1,100	990	1,300	3,100	2,200	2,400	1,300	1,300	2,000	3,800	3,700	4,700	3,200
Sr-90	-	-	-	-	Under measurement	-	-	-	-	-	-	-	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Sampling date	2013/8/20	2013/8/22	2013/8/25	2013/8/27	2013/8/29	2013/9/1	2013/9/3	2013/9/5	2013/9/8	2013/9/10	2013/9/12	2013/9/15	2013/9/17
Sampling time	6:33 AM	6:09 AM	5:58 AM	6:07 AM	6:13 AM	6:05 AM	6:03 AM	6:02 AM	5:58 AM	6:06 AM	6:32 AM	5:56 AM	6:16 AM
Cs-134	22	24	33	33	35	28	28	28	39	54	33	27	23
Cs-137	47	51	73	78	78	62	56	61	97	110	65	66	46
All β	550	620	900	640	830	500	520	580	880	880	690	400	250
H-3	2,000	2,000	2,900	2,000	4,200	2,000	1,500	1,700	2,800	3,400	2,800	1,300	Under measurement
Sr-90	-	Under measurement	-	-	-	-	-	-	-	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

North side of Unit 1-4 water intake channel (north side of the east seawall break), seawater (Bq/L)

Sampling date	2013/6/27	2013/7/3	2013/7/8	2013/7/15	2013/7/22	2013/7/29	2013/8/5	2013/8/12	2013/8/19	2013/8/26	2013/9/2	2013/9/9	2013/9/16
Sampling time	9:50 AM	6:50 AM	6:17 AM	6:12 AM	6:14 AM	6:15 AM	6:42 AM	6:58 AM	6:43 AM	6:28 AM	6:17 AM	6:31 AM	6:25 AM
Cs-134	6.1	3.3	ND (1.4)	7.7	ND (1.8)	ND (2.5)	7.9	16	8.0	ND (2.1)	4.8	12	6.9
Cs-137	13	8.2	ND (1.7)	18	ND (1.8)	ND (1.9)	15	33	19	ND (2.2)	11	19	16
All β	200	99	22	250	ND (21)	21	190	320	280	29	180	250	130
H-3	180	140	ND (120)	460	ND (120)	ND (120)	200	370	300	ND (120)	510	240	Under measurement
Sr-90	Under measurement	-	-	-	Under measurement	-	-	-	Under measurement	-	-	-	Under measurement

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Unit 1 screen (inside the silt fence), seawater (Bq/L)

Sampling date	2013/6/21	2013/6/26	2013/7/3	2013/7/8	2013/7/15	2013/7/22	2013/7/29	2013/8/5	2013/8/12	2013/8/19	2013/8/26	2013/9/2	2013/9/9	2013/9/16
Sampling time	6:23 AM	6:18 AM	6:13 AM	5:45 AM	5:43 AM	5:38 AM	5:44 AM	6:10 AM	6:20 AM	6:09 AM	5:58 AM	5:57 AM	6:01 AM	6:00 AM
Cs-134	6.9	8.9	5.4	3.4	17	4.8	16	12	24	24	23	24	31	21
Cs-137	15	20	13	12	37	8.4	34	28	51	41	50	50	68	44
All β	160	170	140	89	320	79	330	260	700	540	530	540	550	230
H-3	480	530	420	180	1,300	320	1,500	1,200	2,500	1,800	1,400	1,400	1,400	Under measurement
Sr-90	Under measurement	-	-	-	-	Under measurement	-	-	-	Under measurement	-	-	-	Under measurement

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Between the water intake channel of Unit 1 and Unit 2, seawater (Surface layer) (Bq/L)

Sampling date	2013/6/14	2013/6/21	2013/6/24	2013/6/26 Surface layer	2013/6/28 Surface layer	2013/7/1 Surface layer	2013/7/3 Surface layer	2013/7/5 Surface layer	2013/7/7 Surface layer	2013/7/9 Surface layer	2013/7/11 Surface layer	2013/7/14 Surface layer	2013/7/16 Surface layer	2013/7/18 Surface layer	2013/7/21 Surface layer	2013/7/23 Surface layer
Sampling time	1:20 PM	11:00 AM	6:00 PM	4:55 PM	11:34 AM	6:04 AM	6:15 AM	6:25 AM	6:22 AM	6:18 AM	6:58 AM	6:20 AM	6:16 AM	6:14 AM	5:59 AM	6:33 AM
Cs-134	-	9.4	-	6.2	8.5	4.9	5.3	5.6	6.8	ND (2.1)	5.6	7.9	11	9.5	3.3	15
Cs-137	-	19	-	11	19	11	9.3	12	15	3.4	13	20	25	23	8.5	27
All β	-	330	-	260	180	200	130	150	180	65	110	200	310	320	96	120
H-3	600	910	420	200	230	170	230	330	570	170	ND (120)	560	800	420	390	580
Sr-90	-	Under measurement	-	-	-	-	-	-	-	-	-	-	-	-	-	Under measurement

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Sampling date	2013/7/25 Surface layer	2013/7/28 Surface layer	2013/7/30 Surface layer	2013/8/1 Surface layer	2013/8/4 Surface layer	2013/8/6 Surface layer	2013/8/8 Surface layer	2013/8/11 Surface layer	2013/8/13 Surface layer	2013/8/15 Surface layer	2013/8/18 Surface layer	2013/8/20 Surface layer	2013/8/22 Surface layer	2013/8/25 Surface layer	2013/8/27 Surface layer	2013/8/29 Surface layer
Sampling time	6:26 AM	6:22 AM	6:13 AM	6:34 AM	6:25 AM	6:13 AM	6:08 AM	6:15 AM	6:19 AM	6:27 AM	6:13 AM	6:41 AM	6:31 AM	6:12 AM	6:15 AM	6:25 AM
Cs-134	14	15	17	13	11	19	18	27	15	25	21	16	20	17	26	26
Cs-137	27	38	35	28	21	36	37	56	31	54	43	37	39	45	64	57
All β	290	330	340	320	230	360	390	600	390	740	380	310	540	440	500	500
H-3	880	1,800	1,700	1,300	1,100	1,400	1,500	2,300	890	2,600	2,000	1,300	1,300	940	1,400	1,400
Sr-90	-	-	-	-	-	-	-	-	-	-	-	-	Under measurement	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Sampling date	2013/9/1 Surface layer	2013/9/3 Surface layer	2013/9/5 Surface layer	2013/9/8 Surface layer	2013/9/10 Surface layer	2013/9/12 Surface layer	2013/9/15 Surface layer	2013/9/17 Surface layer
Sampling time	6:12 AM	6:11 AM	6:15 AM	6:05 AM	6:16 AM	6:50 AM	6:02 AM	6:35 AM
Cs-134	23	16	17	30	39	24	22	21
Cs-137	40	39	47	67	80	45	47	42
All β	370	420	390	580	690	360	320	220
H-3	1,600	890	1,200	1,700	1,900	1,500	840	Under measurement
Sr-90	-	-	-	-	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Between the water intake channel of Unit 1 and Unit 2, seawater (Lower layer) (Bq/L)

Sampling date	2013/6/26 Lower layer	2013/6/28 Lower layer	2013/7/1 Lower layer	2013/7/3 Lower layer	2013/7/5 Lower layer	2013/7/7 Lower layer	2013/7/9 Lower layer	2013/7/11 Lower layer	2013/7/14 Lower layer	2013/7/16 Lower layer	2013/7/18 Lower layer	2013/7/21 Lower layer	2013/7/23 Lower layer	2013/7/25 Lower layer	2013/7/28 Lower layer	2013/7/30 Lower layer
Sampling time	4:55 PM	11:36 AM	6:04 AM	6:15 AM	6:25 AM	6:22 AM	6:18 AM	6:58 AM	6:20 AM	6:16 AM	6:14 AM	5:59 AM	6:33 AM	6:26 AM	6:22 AM	6:13 AM
Cs-134	6.2	7.5	5.7	3.0	6.8	4.9	2.0	2.6	9.6	7.5	7.0	ND (1.6)	9.9	4.3	2.3	2.5
Cs-137	9.3	17	14	8.9	14	6.9	3.6	8.0	18	13	14	3.2	19	6.8	8.6	8.4
All β	210	180	180	120	180	220	51	58	180	450	320	19	100	170	93	97
H-3	360	340	ND (120)	ND (120)	170	210	ND (120)	500	460	390	420	ND (120)	370	230	690	650
Sr-90	Under measurement	-	-	-	-	-	-	-	-	-	-	-	Under measurement	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Sampling date	2013/8/1 Lower layer	2013/8/4 Lower layer	2013/8/6 Lower layer	2013/8/8 Lower layer	2013/8/11 Lower layer	2013/8/13 Lower layer	2013/8/15 Lower layer	2013/8/18 Lower layer	2013/8/20 Lower layer	2013/8/22 Lower layer	2013/8/25 Lower layer	2013/8/27 Lower layer	2013/8/29 Lower layer	2013/9/1 Lower layer	2013/9/3 Lower layer	2013/9/5 Lower layer
Sampling time	6:34 AM	6:25 AM	6:13 AM	6:08 AM	6:15 AM	6:19 AM	6:27 AM	6:13 AM	6:41 AM	6:31 AM	6:12 AM	6:15 AM	6:25 AM	6:12 AM	6:11 AM	6:15 AM
Cs-134	4.0	5.8	4.2	6.0	5.7	6.1	8.9	5.1	8.3	5.2	9.4	3.4	13	11	3.4	7.0
Cs-137	5.2	9.8	11	13	11	14	20	16	19	7.9	20	7.9	25	24	11	13
All β	180	110	120	200	270	250	300	80	140	210	330	250	340	370	160	110
H-3	300	1,200	210	490	510	570	1,000	560	690	280	720	230	1,200	1,600	260	510
Sr-90	-	-	-	-	-	-	-	-	-	Under measurement	-	-	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Sampling date	2013/9/8 Lower layer	2013/9/10 Lower layer	2013/9/12 Lower layer	2013/9/15 Lower layer	2013/9/17 Lower layer
Sampling time	6:05 AM	6:16 AM	6:50 AM	6:02 AM	6:35 AM
Cs-134	12	11	12	11	12
Cs-137	24	24	23	23	29
All β	370	310	360	190	170
H-3	640	470	400	720	Under measurement
Sr-90	-	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Unit 2 screen (inside the silt fence), seawater (Bq/L)

Sampling date	2013/6/21	2013/6/26	2013/7/3	2013/7/8	2013/7/15	2013/7/22	2013/7/29	2013/8/5	2013/8/12	2013/8/19	2013/8/26	2013/9/2	2013/9/9	2013/9/16
Sampling time	6:29 AM	6:24 AM	6:27 AM	5:51 AM	5:48 AM	5:45 AM	5:50 AM	6:15 AM	6:31 AM	6:17 AM	6:04 AM	6:01 AM	6:05 AM	6:04 AM
Cs-134	7.1	11	16	ND (1.8)	14	ND (1.9)	6.8	11	20	26	12	15	25	26
Cs-137	14	23	34	5.1	27	ND (1.9)	18	24	42	52	35	36	49	48
All β	230	260	220	26	250	ND (21)	140	240	370	490	280	300	520	350
H-3	290	320	250	ND (120)	440	ND (120)	370	500	570	820	380	520	1,500	Under measurement
Sr-90	Under measurement	-	-	-	-	Under measurement	-	-	-	Under measurement	-	-	-	Under measurement

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Between the water intake channel of Unit 2 and Unit 3, seawater (Bq/L)

Sampling date	2013/6/26	2013/7/3	2013/7/8	2013/7/15	2013/7/22	2013/7/29	2013/8/5	2013/8/12	2013/8/19	2013/8/20 Surface layer	2013/8/20 Lower layer	2013/8/26	2013/9/2	2013/9/9	2013/9/16
Sampling time	6:51 AM	6:30 AM	5:56 AM	5:53 AM	5:49 AM	5:54 AM	6:19 AM	6:37 AM	6:21 AM	10:55 AM	11:10 AM	6:08 AM	6:03 AM	6:11 AM	6:07 AM
Cs-134	8.8	6.0	4.6	9.3	ND (1.7)	8.4	15	21	12	5.2	3.5	8.2	10	19	14
Cs-137	18	14	15	18	ND (1.8)	23	34	37	30	14	9.8	24	24	38	31
All β	220	140	40	250	ND (21)	160	210	410	310	230	85	280	300	450	76
H-3	350	ND (120)	ND (120)	460	ND (120)	660	320	720	240	-	-	350	420	790	Under measurement
Sr-90	Under measurement	-	-	-	Under measurement	-	-	-	Under measurement	-	-	-	-	-	Under measurement

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Unit 3 screen (inside the silt fence), seawater (Bq/L)

Sampling date	2013/6/21	2013/6/26	2013/7/3	2013/7/8	2013/7/15	2013/7/16	2013/7/22	2013/7/29	2013/8/5	2013/8/12	2013/8/19	2013/8/26	2013/9/2	2013/9/9	2013/9/16
Sampling time	6:33 AM	6:30 AM	6:36 AM	6:01 AM	5:59 AM	6:32 AM	11:13 AM	5:57 AM	6:25 AM	6:41 AM	6:28 AM	6:14 AM	6:06 AM	6:15 AM	6:10 AM
Cs-134	64	59	32	8.3	350	190	31	7.6	69	39	68	14	17	21	190
Cs-137	110	120	68	16	770	380	63	19	140	82	140	43	32	38	440
All β	270	310	230	72	1,000	610	120	96	290	340	270	300	220	270	600
H-3	220	190	ND (120)	ND (120)	ND (120)	-	ND (120)	200	240	380	160	260	410	270	Under measurement
Sr-90	Under measurement	-	-	-	-	-	Under measurement	-	-	-	Under measurement	-	-	-	Under measurement

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Between the water intake channel of Unit 3 and Unit 4, seawater (Bq/L)

Sampling date	2013/6/26	2013/7/3	2013/7/8	2013/7/15	2013/7/22	2013/7/29	2013/8/5	2013/8/12	2013/8/19	2013/8/20 Surface layer	2013/8/20 Lower layer	2013/8/26	2013/9/2	2013/9/9	2013/9/16
Sampling time	6:47 AM	6:38 AM	6:06 AM	6:00 AM	6:02 AM	6:02 AM	6:29 AM	6:48 AM	6:32 AM	11:16 AM	11:25 AM	6:20 AM	6:08 AM	6:20 AM	6:15 AM
Cs-134	9.9	7.3	2.6	12	ND (2.0)	11	12	22	20	14	4.8	12	9.8	14	28
Cs-137	23	16	7.0	26	ND (2.0)	22	28	45	43	30	7.7	26	22	36	50
All β	230	130	18	260	ND (21)	120	210	390	160	180	57	320	250	280	130
H-3	250	ND (120)	ND (120)	430	ND (120)	280	280	650	270	-	-	310	430	410	Under measurement
Sr-90	Under measurement	-	-	-	Under measurement	-	-	-	Under measurement	-	-	-	-	-	Under measurement

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Unit 4 screen (inside the silt fence), seawater (Bq/L)

Sampling date	2013/6/21	2013/6/26	2013/7/3	2013/7/8	2013/7/15	2013/7/22	2013/7/29	2013/8/5	2013/8/12	2013/8/19	2013/8/26	2013/9/2	2013/9/9	2013/9/16
Sampling time	6:37 AM	6:35 AM	6:42 AM	6:04 AM	6:02 AM	11:16 AM	6:00 AM	6:28 AM	6:44 AM	6:37 AM	6:18 AM	6:12 AM	6:18 AM	6:13 AM
Cs-134	31	34	17	46	43	12	30	27	30	20	13	16	21	62
Cs-137	70	65	36	93	89	26	64	58	62	49	34	28	45	140
All β	250	220	160	130	300	49	200	210	310	200	270	230	210	200
H-3	ND (210)	260	ND (120)	ND (120)	180	ND (120)	260	210	400	ND (120)	280	360	220	Under measurement
Sr-90	Under measurement	-	-	-	-	Under measurement	-	-	-	Under measurement	-	-	-	Under measurement

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Around the south discharge channel (Bq/L)

Sampling date	2013/6/21	2013/6/26	2013/7/3	2013/7/8	2013/7/15	2013/7/22	2013/7/29	2013/8/5	2013/8/12	2013/8/19	2013/8/26	2013/9/2	2013/9/9	2013/9/16
Sampling time	7:15 AM	11:15 AM	5:10 AM	5:15 AM	10:45 AM	5:15 AM	5:15 AM	5:20 AM	5:40 AM	5:20 AM	5:20 AM	5:20 AM	5:20 AM	5:20 AM
Cs-134	ND (1.0)	ND (1.1)	ND (1.2)	ND (0.93)	ND (1.2)	ND (1.2)	ND (1.0)	ND (1.3)	ND (1.2)	ND (1.4)	ND (1.1)	ND (1.4)	ND (1.3)	ND (1.3)
Cs-137	2.0	ND (1.3)	ND (1.2)	ND (1.1)	3.0	ND (1.4)	ND (1.3)	ND (1.6)	ND (1.4)	ND (1.5)	ND (1.0)	ND (1.3)	ND (1.5)	ND (1.8)
All β	ND (19)	ND (22)	ND (18)	ND (18)	ND (21)	ND (20)	ND (21)	ND (18)	ND (19)	ND (18)	ND (19)	ND (21)	ND (15)	ND (19)
H-3	-	ND (2.9)	ND (3.0)	ND (3.1)	ND (2.9)	ND (3.2)	ND (2.9)	ND (3.1)	ND (2.9)	ND (3.0)	ND (1.7)	ND (1.8)	ND (1.8)	Under measurement
Sr-90	-	0.36	-	-	-	Under measurement	-	-	-	Under measurement	-	-	-	Under measurement

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

Port entrance, seawater (Bq/L)

Sampling date	2013/6/20	2013/6/26	2013/7/4	2013/7/9	2013/7/17	2013/7/22	2013/7/31	2013/8/5	2013/8/12	2013/8/19	2013/8/28	2013/9/3	2013/9/9	2013/9/18
Sampling time	1:18 PM	2:19 PM	3:19 PM	10:29 AM	12:20 PM	11:32 AM	7:38 AM	11:54 AM	9:14 AM	7:22 AM	7:21 AM	7:52 AM	8:46 AM	10:12 AM
Cs-134	ND (1.3)	ND (1.9)	ND (1.7)	ND (2.0)	ND (2.2)	ND (1.9)	ND (2.1)	ND (1.9)	ND (1.4)	1.6	ND (2.0)	ND (1.2)	ND (1.2)	ND (1.7)
Cs-137	ND (1.2)	3.7	ND (2.0)	ND (2.6)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.4)	ND (1.5)	4.7	ND (1.6)	ND (1.0)	ND (0.90)	2.6
All β	15	31	ND (22)	ND (19)	ND (20)	ND (18)	ND (20)	ND (20)	ND (21)	69	ND (17)	ND (16)	ND (16)	ND (15)
H-3	5.0	29	ND (3.6)	4.2	4.8	ND (3.0)	ND (3.1)	3.8	ND (2.8)	68	4.0	ND (1.6)	2.5	Under measurement
Sr-90	3.5	-	-	-	-	Under measurement	-	-	-	Under measurement	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

East side in the port, seawater (Bq/L)

Sampling date	2013/6/26	2013/7/4	2013/7/9	2013/7/17	2013/7/22	2013/7/31	2013/8/5	2013/8/12	2013/8/19	2013/8/28	2013/9/3	2013/9/9	2013/9/18
Sampling time	2:22 PM	10:32 AM	10:34 AM	2:40 PM	11:41 AM	7:43 AM	11:58 AM	9:20 AM	7:30 AM	7:28 AM	8:00 AM	8:54 AM	10:06 AM
Cs-134	ND (2.4)	ND (2.3)	ND (2.0)	ND (1.7)	ND (2.3)	ND (1.6)	ND (1.4)	ND (1.8)	2.9	ND (1.1)	ND (1.3)	ND (2.1)	ND (1.4)
Cs-137	ND (2.4)	3.3	ND (2.4)	ND (2.5)	ND (2.1)	ND (2.4)	ND (2.0)	ND (1.9)	6.6	1.9	ND (1.0)	1.3	2.4
All β	33	40	ND (19)	ND (20)	ND (18)	ND (20)	ND (20)	ND (18)	74	ND (17)	ND (16)	ND (16)	ND (15)
H-3	14	44	ND (2.9)	7.0	ND (3.0)	ND (3.1)	ND (3.1)	ND (2.8)	67	6.6	ND (1.6)	2.0	Under measurement
Sr-90	Under measurement	-	-	-	-	-	-	-	-	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

West side in the port, seawater (Bq/L)

Sampling date	2013/6/26	2013/7/4	2013/7/9	2013/7/17	2013/7/22	2013/7/31	2013/8/5	2013/8/12	2013/8/19	2013/8/28	2013/9/3	2013/9/9	2013/9/18
Sampling time	2:25 PM	10:37 AM	10:38 AM	2:47 PM	11:50 AM	7:48 AM	12:02 PM	9:02 AM	7:33 AM	7:38 AM	8:49 AM	8:59 AM	10:03 AM
Cs-134	ND (2.5)	ND (2.2)	ND (2.0)	ND (2.2)	ND (2.2)	ND (1.5)	ND (1.8)	ND (2.0)	2.6	ND (1.1)	ND (1.3)	1.2	ND (1.4)
Cs-137	3.3	ND (2.6)	ND (1.9)	2.4	ND (2.2)	ND (2.4)	ND (1.9)	ND (2.3)	6.5	1.6	ND (1.2)	2.8	1.8
All β	43	60	ND (19)	ND (20)	ND (18)	ND (20)	ND (20)	ND (18)	57	ND (17)	ND (16)	ND (16)	ND (15)
H-3	26	37	4.7	20	ND (3.0)	6.3	4.2	4.8	59	5.3	ND (1.6)	14	Under measurement
Sr-90	Under measurement	-	-	-	-	-	-	-	-	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

North side in the port, seawater (Bq/L)

Sampling date	2013/8/12	2013/8/19	2013/8/28	2013/9/3	2013/9/9	2013/9/18
Sampling time	9:31 AM	7:36 AM	7:35 AM	8:53 AM	9:01 AM	9:59 AM
Cs-134	ND (1.8)	ND (2.0)	ND (2.1)	ND (1.1)	ND (1.3)	1.5
Cs-137	ND (2.1)	4.7	1.8	ND (1.1)	1.1	2.8
All β	ND (21)	69	ND (17)	ND (16)	ND (16)	ND (15)
H-3	6.5	52	7.3	2.2	4.1	Under measurement
Sr-90	-	-	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

South side in the port, seawater (Bq/L)

Sampling date	2013/8/12	2013/8/19	2013/8/28	2013/9/3	2013/9/9	2013/9/18
Sampling time	9:24 AM	7:27 AM	7:24 AM	7:57 AM	8:50 AM	10:09 AM
Cs-134	ND (2.0)	2.1	1.1	ND (1.5)	ND (0.81)	1.5
Cs-137	ND (2.3)	4.6	3.4	ND (1.3)	1.1	3.7
All β	ND (18)	79	ND (17)	ND (16)	ND (16)	ND (15)
H-3	3.4	60	3.2	ND (1.6)	ND (1.6)	Under measurement
Sr-90	-	-	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

North side of the north breakwater (Bq/L)

Sampling date	2013/8/14	2013/8/21	2013/8/27	2013/9/3	2013/9/11
Sampling time	8:17 AM	8:09 AM	8:14 AM	8:39 AM	9:16 AM
Cs-134	ND (1.5)	ND (1.1)	ND (0.66)	ND (0.88)	ND (0.70)
Cs-137	ND (1.4)	ND (1.4)	ND (0.49)	ND (0.58)	ND (0.62)
All β	ND (18)	ND (20)	ND (17)	ND (16)	ND (17)
H-3	4.7	ND (2.9)	ND (2.0)	ND (1.8)	ND (1.9)
Sr-90	-	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

South side of the south breakwater (Bq/L)

Sampling date	2013/8/14	2013/8/21	2013/8/27	2013/9/3	2013/9/11
Sampling time	8:09 AM	8:01 AM	8:07 AM	8:31 AM	9:06 AM
Cs-134	ND (1.5)	ND (1.0)	ND (0.69)	ND (0.43)	ND (0.74)
Cs-137	ND (1.1)	ND (1.4)	ND (0.68)	ND (0.66)	ND (0.64)
All β	ND (18)	ND (20)	ND (17)	ND (16)	ND (17)
H-3	ND (2.9)	ND (2.9)	ND (2.0)	ND (1.8)	ND (1.9)
Sr-90	—	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

East side of the port entrance (Bq/L)

Sampling date	2013/8/14	2013/8/21	2013/8/27	2013/9/3	2013/9/11
Sampling time	8:21 AM	8:16 AM	8:20 AM	8:39 AM	8:59 AM
Cs-134	ND (1.1)	ND (1.0)	ND (0.84)	ND (0.63)	ND (0.80)
Cs-137	ND (1.1)	ND (1.3)	ND (0.69)	ND (0.69)	ND (0.71)
All β	ND (18)	ND (20)	ND (17)	ND (16)	ND (17)
H-3	ND (2.9)	ND (2.9)	ND (2.0)	ND (1.8)	ND (1.9)
Sr-90	-	-	-	-	-

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.