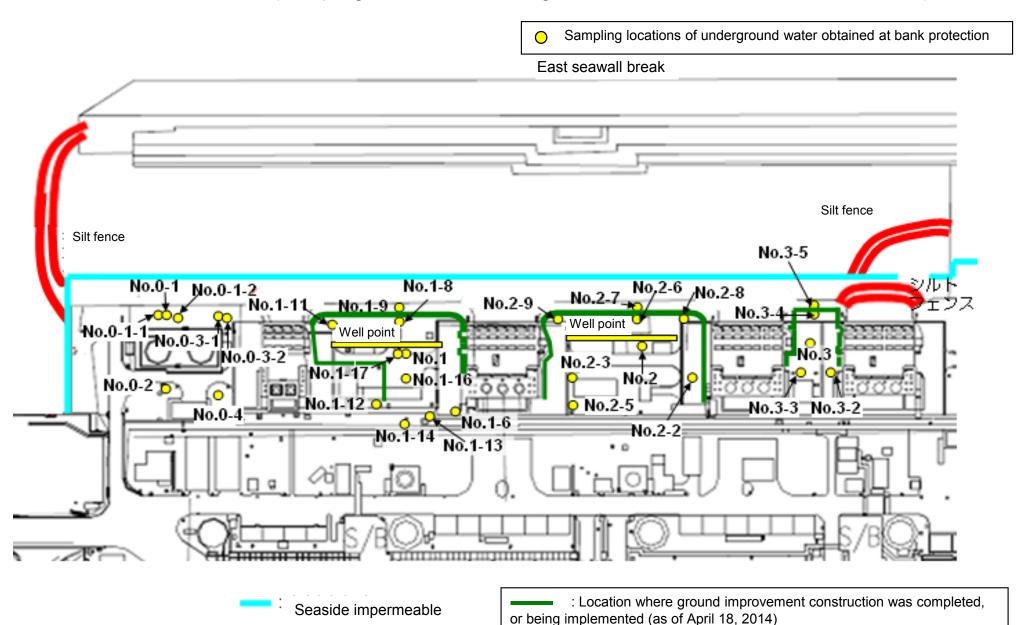
Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (Sampling Locations of Underground Water Obtained at Bank Protection)



# Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (1/4) Underground Water Obtained at Bank Protection

Unit: Bq/L (exclude chloride)

		Underground water observation hole No.0-1	Underground water observation hole No.0-1-2	Underground water observation hole No.0-2	Underground water observation hole No.0-3-1	Underground water observation hole No.0-3-2	Underground water observation hole No.0-4	Underground water observation hole No.1	Underground water observation hole No.1-6	Underground water observation hole No.1-8	Underground water observation hole No.1-9	Underground water observation hole No.1-11	Underground water observation hole No.1-12	Underground water observation hole No.1-14	Underground water observation hole No.1-16	Underground
	Date of sampling	/	/	/	/	1 /	/	/	/	/	May 15, 2014	/	/	1 /	/	1
	Time of sampling		/		/						6:49 AM		/		/	
	Chloride (unit: ppm)				/						150					/
Cs	s-134 (Approx. 2 years)										5.9					
Cs	-137 (Approx.30 years)										17					
The																
other γ																
•																
	Gross β										37					
Н	H-3 (Approx. 12 years)	/	/	/						/	ND(120)	/			/	/
Sr-	-90 (Approx. 29 years)	/	/	/	/	/				/	Under analysis	/	/		/	/
		Groundwater pumped up from the well point (between Unit 1 and 2)	Underground water observation hole No.2	Underground water observation hole No.2-2	Underground water observation hole No.2-3	Underground water observation hole No.2-5	Underground water observation hole No.2-6	Underground water observation hole No.2-7	Underground water observation hole No.2-8	Groundwater pumped up from the well point (between Unit 2 and 3)	Underground water observation hole No.3	Underground water observation hole No.3-2	Underground water observation hole No.3-3	Underground water observation hole No.3-4	Underground water observation hole No.3-5	
	Date of sampling	/	May 14, 2014	May 14, 2014	May 14, 2014	/	May 15, 2014	May 16, 2014	May 14, 2014	May 14, 2014	May 14, 2014	May 14, 2014	May 14, 2014	May 14, 2014	May 14, 2014	
	Time of sampling		10:06 AM	11:35 AM	9:41 AM		9:40 AM	10:02 AM	10:47 AM	10:00 AM	10:25 AM	11:25 AM	11:50 AM	10:45 AM	10:40 AM	
	Chloride (unit: ppm)		-	-	-			940		-	-	-	-	-	2,100	
Cs	s-134 (Approx. 2 years)		ND(0.41)	11	ND(0.39)		ND(0.46)	ND(0.45)	ND(0.40)	0.79	0.66	12:00 AM	53	3.3	30	
Cs	-137 (Approx.30 years)		ND(0.58)	29	ND(0.49)		0.63	1.3	0.49	1.6	2.3	12:00 AM	140	9.4	83	
The																
other γ									-							]
	Gross β		280	570	1,000		2,500	1,000	3,500	110,000	ND(17)	2,600	2,700	18	65	<u> </u>
Н	H-3 (Approx. 12 years)	_	700	460	830	/	910	830	1,300	5,600*1	160	2,800*1	5,300	ND(110)	ND(110)	

<sup>\*</sup> Data announced this time is provided in a thick-frame. The other data was announced on May 15, 16, and 17.

<sup>\* &</sup>quot;ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

 $<sup>^{\</sup>star}$  "-" indicates that the measurement was out of range.

<sup>\*1</sup> The highest measurement value (compared to the previous values provided in the handouts published in 'Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection')

# Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (2/4) Underground Water Obtained at Bank Protection

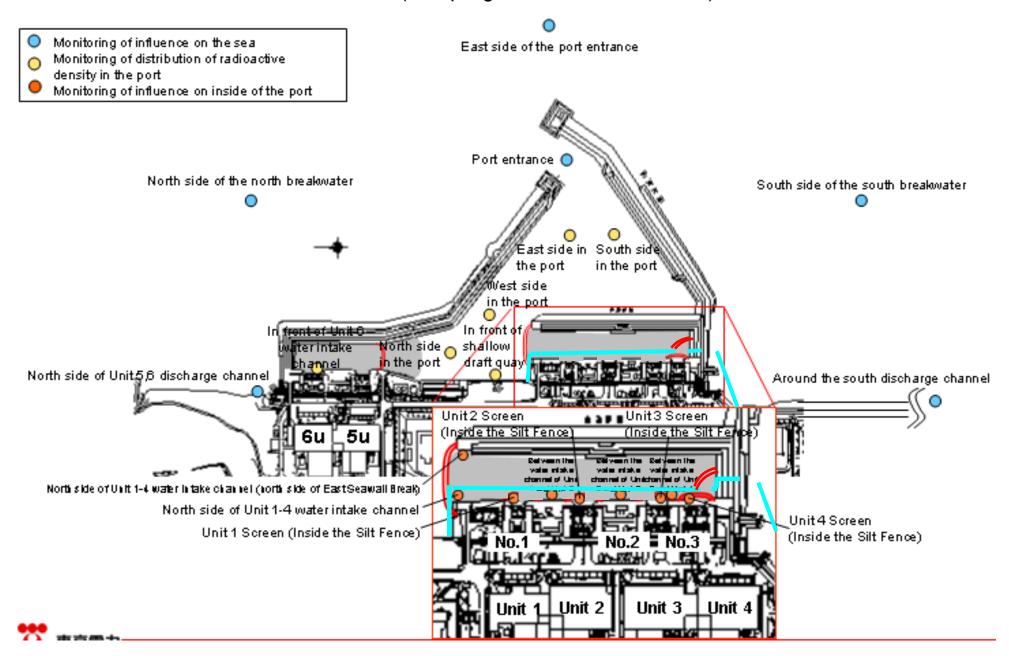
Unit: Bq/L (exclude chloride)

		Underground water observation hole No.0-1	Underground water observation hole No.0-1-2	Underground water observation hole No.0-2	Underground water observation hole No.0-3-1	Underground water observation hole No.0-3-2	Underground water observation hole No.0-4	Underground water observation hole No.1	Underground water observation hole No.1-6	Underground water observation hole No.1-8	Underground water observation hole No.1-9	Underground water observation hole No.1-11	Underground water observation hole No.1-12	Underground water observation hole No.1-14	Underground water observation hole No.1-16	Underground water observation hole No.1-17
	Date of sampling	May 18, 2014	May 18, 2014	May 18, 2014	May 18, 2014	/	May 18, 2014	/	/	/	May 18, 2014	/	/	1	1	/
	Time of sampling	11:05 AM	10:30 AM	9:50 AM	10:10 AM		9:21 AM				6:32 AM	/				
	Chloride (unit: ppm)	-	-	-	-		-				140					
C	s-134 (Approx. 2 years)	22	ND(0.35)	ND(0.44)	ND(0.37)		ND(0.40)			/	5.6					
Cs	-137 (Approx.30 years)	57	ND(0.49)	ND(0.61)	ND(0.59)		ND(0.52)				16					
The																
other y																
	Gross β	300	ND(15)	17	ND(15)		19				44					
H	H-3 (Approx. 12 years)	Under analysis	Under analysis	Under analysis	Under analysis		Under analysis				Under analysis					
Sr	-90 (Approx. 29 years)	-	-	-	-		-			/	-		/			/
		Groundwater		Ι	I	I	Ι		ı	Groundwater	1	1	I	Į.	1	1
		pumped up from the well point (between Unit 1 and 2)	Underground water observation hole No.2	Underground water observation hole No.2-2	Underground water observation hole No.2-3	Underground water observation hole No.2-5	Underground water observation hole No.2-6	Underground water observation hole No.2-7	Underground water observation hole No.2-8	pumped up from the well point (between Unit 2 and 3)	Underground water observation hole No.3	Underground water observation hole No.3-2	Underground water observation hole No.3-3	Underground water observation hole No.3-4	Underground water observation hole No.3-5	
	Date of sampling	pumped up from the well point (between Unit 1	water observation	water observation	water observation	water observation	water observation	water observation	water observation	pumped up from the well point (between Unit 2	water observation	water observation	water observation	water observation	water observation	
	Date of sampling Time of sampling	pumped up from the well point (between Unit 1	water observation hole No.2	water observation hole No.2-2	water observation hole No.2-3	water observation	water observation	water observation hole No.2-7	water observation hole No.2-8	pumped up from the well point (between Unit 2 and 3)	water observation	water observation	water observation	water observation	water observation	
		pumped up from the well point (between Unit 1	water observation hole No.2 May 18, 2014	water observation hole No.2-2 May 18, 2014	water observation hole No.2-3 May 18, 2014	water observation	water observation	water observation hole No.2-7 May 18, 2014	water observation hole No.2-8 May 18, 2014	pumped up from the well point (between Unit 2 and 3) May 18, 2014	water observation	water observation	water observation	water observation	water observation	
C	Time of sampling	pumped up from the well point (between Unit 1	water observation hole No.2 May 18, 2014 10:18 AM	water observation hole No.2-2 May 18, 2014 11:47 AM	water observation hole No.2-3 May 18, 2014 9:53 AM	water observation	water observation	water observation hole No.2-7 May 18, 2014 10:40 AM	water observation hole No.2-8 May 18, 2014 10:57 AM	pumped up from the well point (between Unit 2 and 3) May 18, 2014	water observation	water observation	water observation	water observation	water observation	
	Time of sampling Chloride (unit: ppm)	pumped up from the well point (between Unit 1	water observation hole No.2 May 18, 2014 10:18 AM	water observation hole No.2-2 May 18, 2014 11:47 AM	water observation hole No.2-3 May 18, 2014 9:53 AM	water observation	water observation	water observation hole No.2-7 May 18, 2014 10:40 AM 820	water observation hole No.2-8 May 18, 2014 10:57 AM	pumped up from the well point (between Unit 2 and 3) May 18, 2014 10:00 AM	water observation	water observation	water observation	water observation	water observation	
	Time of sampling Chloride (unit: ppm) s-134 (Approx. 2 years)	pumped up from the well point (between Unit 1	water observation hole No.2  May 18, 2014  10:18 AM  -  ND(0.41)	water observation hole No.2-2  May 18, 2014  11:47 AM  -  11	water observation hole No.2-3 May 18, 2014 9:53 AM - ND(0.44)	water observation	water observation	water observation hole No.2-7  May 18, 2014  10:40 AM  820  0.52	water observation hole No.2-8  May 18, 2014  10:57 AM  -  ND(0.48)	pumped up from the well point (between Unit 2 and 3) May 18, 2014 10:00 AM - ND(0.59)	water observation	water observation	water observation	water observation	water observation	
	Time of sampling Chloride (unit: ppm) s-134 (Approx. 2 years)	pumped up from the well point (between Unit 1	water observation hole No.2  May 18, 2014  10:18 AM  -  ND(0.41)	water observation hole No.2-2  May 18, 2014  11:47 AM  -  11	water observation hole No.2-3 May 18, 2014 9:53 AM - ND(0.44)	water observation	water observation	water observation hole No.2-7  May 18, 2014  10:40 AM  820  0.52	water observation hole No.2-8  May 18, 2014  10:57 AM  -  ND(0.48)	pumped up from the well point (between Unit 2 and 3) May 18, 2014 10:00 AM - ND(0.59)	water observation	water observation	water observation	water observation	water observation	
Cs	Time of sampling Chloride (unit: ppm) s-134 (Approx. 2 years)	pumped up from the well point (between Unit 1	water observation hole No.2  May 18, 2014  10:18 AM  -  ND(0.41)	water observation hole No.2-2  May 18, 2014  11:47 AM  -  11	water observation hole No.2-3 May 18, 2014 9:53 AM - ND(0.44)	water observation	water observation	water observation hole No.2-7  May 18, 2014  10:40 AM  820  0.52	water observation hole No.2-8  May 18, 2014  10:57 AM  -  ND(0.48)	pumped up from the well point (between Unit 2 and 3) May 18, 2014 10:00 AM - ND(0.59)	water observation	water observation	water observation	water observation	water observation	
Cs	Time of sampling Chloride (unit: ppm) s-134 (Approx. 2 years)	pumped up from the well point (between Unit 1	water observation hole No.2  May 18, 2014  10:18 AM  -  ND(0.41)	water observation hole No.2-2  May 18, 2014  11:47 AM  -  11	water observation hole No.2-3 May 18, 2014 9:53 AM - ND(0.44)	water observation	water observation	water observation hole No.2-7  May 18, 2014  10:40 AM  820  0.52	water observation hole No.2-8  May 18, 2014  10:57 AM  -  ND(0.48)	pumped up from the well point (between Unit 2 and 3) May 18, 2014 10:00 AM - ND(0.59)	water observation	water observation	water observation	water observation	water observation	
Cs	Time of sampling Chloride (unit: ppm) s-134 (Approx. 2 years)	pumped up from the well point (between Unit 1	water observation hole No.2  May 18, 2014  10:18 AM  -  ND(0.41)	water observation hole No.2-2  May 18, 2014  11:47 AM  -  11	water observation hole No.2-3 May 18, 2014 9:53 AM - ND(0.44)	water observation	water observation	water observation hole No.2-7  May 18, 2014  10:40 AM  820  0.52	water observation hole No.2-8  May 18, 2014  10:57 AM  -  ND(0.48)	pumped up from the well point (between Unit 2 and 3) May 18, 2014 10:00 AM - ND(0.59)	water observation	water observation	water observation	water observation	water observation	
The other y	Time of sampling Chloride (unit: ppm) s-134 (Approx. 2 years) s-137 (Approx.30 years)	pumped up from the well point (between Unit 1	water observation hole No.2  May 18, 2014  10:18 AM  -  ND(0.41)  ND(0.55)	water observation hole No.2-2  May 18, 2014  11:47 AM  - 11 28	water observation hole No.2-3  May 18, 2014  9:53 AM  -  ND(0.44)  0.71	water observation	water observation	water observation hole No.2-7  May 18, 2014  10:40 AM  820  0.52  1.0	water observation hole No.2-8 May 18, 2014 10:57 AM - ND(0.48) ND(0.58)	pumped up from the well point (between Unit 2 and 3) May 18, 2014 10:00 AM - ND(0.59) 0.89	water observation	water observation	water observation	water observation	water observation	

<sup>\* &</sup>quot;ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

<sup>\* &</sup>quot;-" indicates that the measurement was out of range.

# Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (Sampling Locations of Seawater)



### Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (3/4) Seawater

Unit: Bq/L

	1F, North side of Unit 5,6 discharge channel	1F, In front of Unit 6 water intake channel	1F, In front of shallow draft quay	1F, North side of Unit 1-4 water intake channel (north side of East Seawall Break)	1F, In front of Unit 1 discharge	1F, Between the water intake channel of Unit 1 and Unit 2 (surface layer)	water intake	1F, Between the	1F, Unit 3	1F, Between the water intake channel of Unit 3 and Unit 4	1F, Unit 4 Screen (Inside the Silt Fence)	1F, South side of Unit 1-4 water intake channel (In front of impermeable wall)	Density Limit Specified by the Reactor Regulatio n *	WHO Guideline s for drinking- water quality
Date of Sampling			/	/	/	May 15, 2014	May 15, 2014		/		/			
Time of sampling				/	/	6:44 AM	6:44 AM							
Cs-134(Approx. 2 years)				/	/	ND(2.8)	18						60	10
Cs-137(Approx.30 years)						15	43		/				90	10
Gross β		/				1600	840							
H-3 (Approx. 12 years)						4,100	2,600 <sup>*1</sup>						60,000	10,000
Sr-90 (Approx. 29 years)	/		/	/	/	Under analysis	Under analysis	/	/	/		/	30	10

	1F, Around the south discharge channel	1F, Port entrance	1F, East side in the port	1F, West side in the port	1F, North side in the port		North side of the north breakwater	Northeast side of the port entrance	East side of the port entrance	Southeast side of the port entrance	South side of the south breakwater		Density	WHO Guideline s for drinking- water quality
Date of Sampling	/	/	/	/	/	/		/		/	/	/		
Time of sampling	/		/	/	/									
Cs-134(Approx. 2 years)			/		/	/							60	10
Cs-137(Approx.30 years)	/	/		/	/		/						90	10
Gross β														
H-3 (Approx. 12 years)					/	/	/	/					60,000	10,000
Sr-90 (Approx. 29 years)	/	/	/	/	/	/	/	/	/	/	/		30	10

<sup>\*</sup> Data announced this time is provided in a thick-frame. The other data was announced on May 16.

<sup>\* &</sup>quot;ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

<sup>\* &</sup>quot;-" indicates that the measurement was out of range.

<sup>\*</sup> Density Limit Specified by the Rule for the Installation, Operation, etc. of Commercial Nuclear Power Reactors (the density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2 [the amount is converted from Bq/cm³ to Bq/L]).

<sup>\*1</sup> The highest measurement value (compared to the previous values provided in the handouts published in 'Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection')

### Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (4/4) Seawater

Unit: Bq/L

	1F, North side of Unit 5,6 discharge channel	1F, In front of Unit 6 water intake channel	1F, In front of shallow draft quay	1F, North side of Unit 1-4 water intake channel (north side of East Seawall Break)	1F, In front of Unit 1 discharge	1F, Between the water intake channel of Unit 1 and Unit 2 (surface layer)	water intake	1F, Between the water intake channel of Unit 2 and Unit 3	1F, Unit 3	1F, Between the water intake channel of Unit 3 and Unit 4	Screen	1F, South side of Unit 1-4 water intake channel (In front of impermeable wall)	Density Limit Specified by the Reactor Regulatio n *	WHO Guideline s for drinking- water quality
Date of Sampling			/	/		May 18, 2014	May 18, 2014				/	1		
Time of sampling		/			/	6:29 AM	6:29 AM							
Cs-134(Approx. 2 years)					/	8.1	23			/			60	10
Cs-137(Approx.30 years)						23	57						90	10
Gross β						1,700*1	320							
H-3 (Approx. 12 years)						Under analysis	Under analysis						60,000	10,000
Sr-90 (Approx. 29 years)	/	/	/	/	/	-	-	/	/	/	/	/	30	10

	1F, Around the south discharge channel	1F, Port entrance	1F, East side in the port	1F, West side in the port	1F, North side in the port		North side of the north breakwater	Northeast side of the port entrance	East side of the port entrance	Southeast side of the port entrance	South side of the south breakwater		Density	drinking-
Date of Sampling	/	/	/	/	/	/		/		/	/	/		
Time of sampling	/													
Cs-134(Approx. 2 years)					/	/							60	10
Cs-137(Approx.30 years)	/						/						90	10
Gross β														
H-3 (Approx. 12 years)					/	/	/	/				/	60,000	10,000
Sr-90 (Approx. 29 years)	/	/	/	/	/	/		/	/		/	/	30	10

<sup>\*1</sup> The highest measurement value (compared to the previous values provided in the handouts published in 'Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection')

<sup>\* &</sup>quot;ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

<sup>\* &</sup>quot;-" indicates that the measurement was out of range.

<sup>\*</sup> Density Limit Specified by the Rule for the Installation, Operation, etc. of Commercial Nuclear Power Reactors (the density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2 [the amount is converted from Bq/cm³ to Bq/L]).

		Groun observa No.	ion hole	Ground observat No.0	ion hole		dwater tion hole 0-1-2	Groun observa No.		observa	dwater tion hole 0-3-1	Ground observat No.0	ion hole	Ground observat No.	tion hole	Ground observat No	ion hole	Ground observat No.	tion hole	Ground observat No.1	ion hole	Ground observat No.	ion hole	Groun observa No.		Ground observat No.	tion hole	observa	idwater ition hole .1-6
C	s-134 (Approx. 2 years)	23	<5/4>	0.61	<3/2>	ND		0.61	[10/13]	0.64	<4/6>	0.82	<1/14>	ND		13	[8/29]	1.9	[7/8]	11,000	[7/9]	10	[9/2]	1.5	[7/8]	310	[8/5]	6,300	<3/31>
Cs	s-137 (Approx.30 years)	61	<5/4>	1.5	<3/2>	0.51	[11/17]	2.2	<1/12>	1.1	<4/6>	2.1	<1/14>	1.4	<1/12>	31	[8/29]	3.6	[7/8]	22,000	[7/9]	24	[9/2]	3.6	[7/8]	650	[8/5]	16,000	<3/31>
	Ru-106 (Approx. 370 days)	ND		ND		ND		ND		ND		ND		ND		26	[5/24]	7.9	[7/8]	160	[8/15]	17	(7/22) (8/8)	3.1	[8/8]	ND		ND	
The	Mn-54 (Approx. 310 days)	ND		ND		ND		ND		ND		0.64	<2/20>	ND		ND		1.0	[7/5]	62	[7/5]	ND		ND		ND		320	<2/13> <2/17>
other y	Co-60 (Approx. 5 years)	ND		ND		ND		ND		ND		ND		ND		0.50	[7/19]	ND		3.1	[7/8]	ND		ND		ND		830	<2/20>
	Sb-125 (Approx. 3 years)	ND		ND		ND		ND		ND		ND		ND		1.7	[7/11]	ND		250	[7/15]	1.4	(7/12) (8/26)	ND		12	[8/8]	ND	
	Gross β	300	[8/22]	21	[12/7]	21	[11/10]	87	[10/13]	ND		67 <sup>*1</sup>	[12/11]	29	[12/29]	1,900	[5/24]	4,400	[7/8]	900,000	(7/5) (7/9)	160,000	(8/12) (8/15)	380	[8/19]	56,000	[8/5]	860,000	<5/8>
ŀ	H-3 (Approx. 12 years)	45,000	[8/29]	18,000	[12/7]	74,000	[12/15] <1/19>	6,800	<2/16>	ND		76,000	<2/6>	56,000	<2/23>	500,000	[5/24] [6/7]	630,000	[7/8]	430,000	(9/16)	290,000	[7/12]	98,000	(7/11)	72,000	(8/15)	*2 110,000	<2/6>
S	r-90(Approx. 29 years)	140	[8/8]	Under analysis		Under analysis		0.73	[9/2]	Under analysis		Under analysis		Under analysis		1,300	[8/22]	2,300	[6/28]	5,000,000	[7/5]	130,000	[8/8]	200	[7/8]	5,100	[8/22]	-	

		Groundwater observation ho No.1-8		Groundw observatio No.1-	n hole	Ground observat No.1	ion hole	Groun observa No.	tion hole	observa	dwater tion hole 1-12	Ground observati No.	ion hole	observat	dwater tion hole 1-14	Ground observat No.1	ion hole	observa	ndwater Ition hole 1-17	Ground pumped the we (betwee and	up from II point n Unit 1	observa	ndwater ation hole o.2	observa	idwater ition hole .2-1	observa	dwater ition hole .2-2	observa	ndwater ation hole 0.2-3
C	s-134 (Approx. 2 years)	47 [11/2	:5)	170	[9/3]	-		1.1	<1/13>	74	[10/21]	37,000	<2/13>	88 *2	<2/27>	3.1 *1	[12/13]	1.2	[12/5]	110	[9/23]	0.88	<2/26>	0.66	[9/1]	15	<2/12>	2.2	<2/26>
С	s-137 (Approx.30 years)	110 [11/2	:5)	380	[9/3]	-		3.4	<4/28>	170	[10/21]	93,000	<2/13>	230 *2	2 <2/27>	4.7	<2/17>	2.8	<4/28>	250	[9/23]	2.5	<2/26>	1.1	(8/29) (9/1)	38	<2/12>	5.5	<2/26>
	Ru-106 (Approx. 370 days)	ND		ND		-		ND		5.4	[10/28]	ND		ND		9.2	[10/28]	5.5	<4/21>	25	[9/2]	ND		ND		ND		ND	
The	Mn-54 (Approx. 310 days)	12 <2/3	>	ND		-		ND		ND		ND		ND		ND		ND		8.5	<4/28>	ND		ND		ND		0.29	[12/6]
other y	Co-60 (Approx. 5 years)	1.3 <2/3	>	ND		-		ND		0.51	[10/24]	ND		ND		0.9	[11/7]	0.61	[11/25]	ND		ND		ND		ND		ND	
	Sb-125 (Approx. 3 years)	ND		ND		-		ND		61	[10/21]	ND		ND		16	<5/15>	2.1	[11/25]	ND		ND		ND		ND		ND	
	Gross β	59,000 <2/3	i>	2,100*2	[11/17]	78 <sup>*2</sup>	<1/27>	2,300	[12/26]	1,100	<5/5>	260,000	<2/12> <2/13>	3,300	<5/15>	3,100,000	<1/20> <1/30> <2/3>	8,700	<4/28>	700,000	[9/23]	1,700	[7/8]	380	[7/29]	600	<4/16>	1,500	[12/6]
	H-3 (Approx. 12 years)	19,000 <5/12	2>	860 (	11/14]	270,000	<1/27>	85,000	[9/13]	440,000	[10/31]	88,000	<2/12>	23,000	<2/13>	43,000	[9/26]	32,000	<1/20>	460,000	[8/19]	1,000	<2/23>	440	[8/26]	660	<1/8>	1,700	[12/6]
	6r-90(Approx. 29 years)	1,300 [9/16	6)	170	[9/3]	-		17	[9/13]	Under analysis		Under analysis		Under analysis		Under analysis		Under analysis		-		54	[5/31]	5.9	[7/25]	Under analysis		Under analysis	

																									Unit: Bq/L
		Ground observat No.	ion hole	observa	ndwater ation hole 0.2-6	observa	dwater ition hole .2-7	observa	dwater tion hole .2-8	Ground observati No.2	ion hole	pumped the we (between	ndwater If up from all point an Unit 2 If 3)	observa	ndwater ation hole lo.3	observa	ndwater ation hole b.3-1	observa	dwater tion hole 3-2	observa	ndwater ation hole o.3-3	observa	ndwater ation hole .3-4	observa	ndwater ation hole 5.3-5
C	s-134 (Approx. 2 years)	41	<5/7>	17	<3/11>	3.5	<2/23>	0.47	<4/9>	-		2.0	<4/23>	3.5	[7/25]	1.2	(7/25) (8/8)	11	<5/14>	53	<5/14>	3.3	<5/14>	64	<1/15>
С	s-137 (Approx.30 years)	110	<5/7>	50	<3/11>	9.0	<2/23>	1.3	<4/9>	0.58 *2	<2/11>	4.7	<4/23>	5.9	[8/8]	2.6	[8/1]	29	<5/14>	140	<4/30> <5/14>	9.4	<5/14>	170	<1/15>
	Ru-106 (Approx. 370 days)	ND		ND		ND		ND		6.5	<2/11>	ND		ND		ND		ND				ND		-	
The	Mn-54 (Approx. 310 days)	0.94	<1/8>	ND		ND		ND		-		ND		ND		ND		ND				0.54	[10/30]	-	
other y	Co-60 (Approx. 5 years)	ND		ND		ND		ND		-		ND		ND		ND		ND				ND		-	
	Sb-125 (Approx. 3 years)	74	<5/7>	ND		ND		ND		-		ND		1.6	<1/1>	ND		ND		ND		ND		-	
	Gross β	150,000	<2/12>	3,200	[12/5]	1,000	<5/14>	4,200	<4/9> <4/27>	1,700*2	<2/7>	240,000	[12/12]	1,400	[7/11]	180	[8/1]	2,600*2	<5/14>	4,900	<4/30>	28	<4/30>	300	<4/2>
	H-3 (Approx. 12 years)	7,900	<4/9>	1,200	[11/24] [11/27]	1,100	<1/19>	1,700	<4/6>	*2 13,000	<2/7>	5,500	<5/7>	3,200	[2012/12/ 12]	460	[8/1]	2,700	<4/23>	8,000	<5/7>	170	[9/18]	170	<1/8>
	Sr-90(Approx. 29 years)	Under analysis		Under analysis		Under analysis		-		-		-		8.3	(2012/12/ 12)	4.4	[7/23]	Under analysis		-		ND		-	

Since some samples are still under analysis, the highest dose of the Strontium-90 is among those previously announced.

<sup>\*1</sup> Analysis result of pumped water.
\*2 The results are for a reference, since the water was highly turbid. (γ and Gross β were measured after filtration.)

<sup>\* &</sup>quot;ND" indicates that the measurement result is below the detection limit.

<sup>\*</sup> Date of sampling is provided in parentheses. (): 2013, <>: 2014
\* "\*" is provided next to the name of the holes where the sampling could not be performed due to the chemical injection of ground improvement.

#### <Reference> The Highest Dose Until the Previous Measurement\* (Seawater)

Unit: Bq/L

		side of Unit 5,6 ge channel		ont of Unit 6 ake channel		nt of shallow t quay	4 water in (north s	side of Unit 1- take channel ide of East all Break)	discharge front of in	ont of Unit 1 e channel (in npermeable vall)	intake cha and Unit	en the water nnel of Unit 1 2 (surface yer)	intake cha	en the water nnel of Unit 1 (lower layer)		2 Screen e Silt Fence)	intake char	en the water nnel of Unit 2 Unit 3		3 Screen Silt Fence)	intake char	en the water nnel of Unit 3 Unit 4		4 Screen e Silt Fence)
Cs-134(Approx. 2 years)	1.8	[6/21]	2.8	[12/2]	5.3	[8/5]	32	[10/11]	11	<5/5>	87	[10/10]	93	[10/10]	370	[10/9]	52	[12/21]	350	[7/15]	37	<5/12>	62	[9/16]
Cs-137(Approx.30 years)	4.5	<3/17>	5.8	[12/2]	8.6	[8/5]	73	[10/11]	33	<5/12>	200	[10/10]	200	[10/10]	830	[10/9]	110	(10/11) (12/21)	770	[7/15]	98	<5/12>	140	[9/16]
Gross β	17	<1/6>	46	[8/19]	40	[7/3]	320	[8/12]	140	<5/5>	1,600	<5/11>	840	<5/15>	1,700	[10/9]	640	<5/12>	1,000	[7/15]	490	<5/12>	360	[10/7]
H-3 (Approx. 12 years)	8.7	<5/12>	24	(8/19)	340	[6/26]	510	[9/2]	220	<5/5>	4,100	<5/11>	1,600	[9/1]	2,100	[10/28]	1,900	<5/12>	1,400	<5/12>	1,200	<4/14>	770	<4/14>
Sr-90 (Approx. 29 years)	4.7	[6/26]	-		7.2	[6/26]	220	[8/19]	-		480	[8/22]	290	[10/20]	430	[10/14]	340	[10/14]	130	[6/21]	190	[9/23]	140	[6/21]

Unit: Bq/L

	4 water in (In front of	side of Unit 1- ntake channel impermeable wall)		id the south ge channel	1F, Por	rt entrance	1F, East si	ide in the port	1F, West s	ide in the port	1F, North s	side in the port	1F, South s	ide in the port		of the north	Northeast port en	side of the ntrance		of the south	Southeast side of the north breakwater	South side break	of the south water
Cs-134(Approx. 2 years)	15	<4/14>	ND		3.3	[12/24]	3.3	(10/17)	4.4	[12/24]	5.0	[12/2]	3.5	[10/17]	ND		ND		ND		ND	ND	
Cs-137(Approx.30 years)	41	<5/12>	3.0	[7/15]	7.3	[10/11]	9.0	[10/17]	10	[12/24]	8.4	[12/2]	7.8	[10/17]	ND		ND		1.6	[10/18]	ND	ND	
Gross β	380	<3/10>	15	<1/13>	69	[8/19]	74	[8/19]	60	[7/4]	69	[8/19]	79	[8/19]	ND		ND		ND		ND	ND	
H-3 (Approx. 12 years)	540	<4/14>	4.3	<5/12>	68	[8/19]	67	[8/19]	59	[8/19]	52	[8/19]	60	[8/19]	4.7	[8/14]	1.7	<4/23>	6.4	[10/8]	ND	2.8	<4/23>
Sr-90 (Approx. 29 years)	-		0.29	[6/26]	49	(8/19)	-		Ι		Ι		ı		I		I		ı		_	I	

<sup>\*</sup> The highest result announced in "Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection" or the other handouts is provided.

As for "1F, North side of Unit 1-4 water intake channel", the data is obtained since January 14, 2013. For the other locations, the data is obtained since June 14.

[Reference] Standard values

Unit: Bq/L

	Cs-134	Cs-137	H-3	Sr-90
Density Limit Specified by the Rule for the Installation, Operation, etc. of Commercial Nuclear Power Reactors (the density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2)	60	90	60,000	30
WHO Guidelines for drinking-water quality	10	10	10,000	10

<sup>•</sup> Since some samples are still under analysis, the highest dose of the Strontium-90 is among those previously announced.

 $<sup>^{\</sup>star}$  "ND" indicates that the measurement result is below the detection limit.

<sup>\*</sup> Date of sampling is provided in parentheses. ( ): 2013, <>: 2014

<sup>\* &</sup>quot;-" indicates that the measurement was out of range.