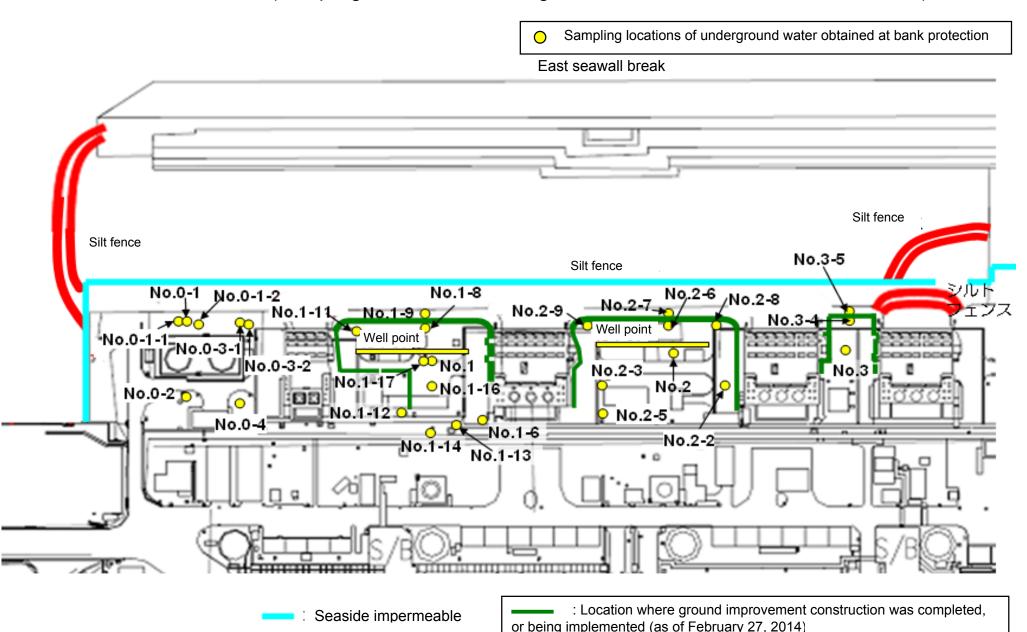
Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (Sampling Locations of Underground Water Obtained at Bank Protection)



## 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
	Date of sampling	/	1	/	1	Mar 27, 2014	,	Mar 27, 2014	Mar 27, 2014	/	1 /	Mar 27, 2014	Mar 27, 2014	Mar 27, 2014	Mar 27, 2014
	Time of sampling					9:30 AM	/	10:15 AM	10:30 AM	/		9:57 AM	9:20 AM	9:32 AM	10:55 AM
	Chloride (unit: ppm)					-		-	-			-	-	-	-
C	Cs-134 (Approx. 2 years)					ND(0.46)		ND(0.43)	5,900			0.45	4.1	4.0	ND(2.4)
С	s-137 (Approx.30 years)					ND(0.53)		0.62	15,000			1.6	11	9.2	ND(1.2)
	Mn-54 (Approx. 310 days)					ND		ND	180			ND	ND	ND	ND
The	Co-60 (Approx. 5 years)					ND		ND	640			ND	ND	ND	ND
other y	Ru-106 (Approx. 370 days)					ND		4.7	ND			ND	ND	ND	ND
	Sb-125 (Approx. 3 years)					ND		ND	ND			ND	ND	ND	7.5
	Gross β					ND(21)		230	770,000			37	130	960	1,200,000
	H-3 (Approx. 12 years)	/			/	62,000		180,000	12,000			13,000	35,000	14,000	12,000
S	Gr-90 (Approx. 29 years)	/		/	/	-	ĺ	-	-	/		-	-	-	-

		Underground water observation hole No.1-17	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.3-4	Underground water observation hole No.3-5
	Date of sampling	Mar 27, 2014	/	/	/	/	/	/	1 /	/	/	/	/	
	Time of sampling	9:35 AM												
	Chloride (unit: ppm)	-												
С	s-134 (Approx. 2 years)	ND(0.55)												
Cs	s-137 (Approx.30 years)	0.56												
	Mn-54 (Approx. 310 days)	ND												
The	Co-60 (Approx. 5 years)	ND												
other y	Ru-106 (Approx. 370 days)	ND		/										
	Sb-125 (Approx. 3 years)	ND												
	Gross β	3,400												
I	H-3 (Approx. 12 years)	4,700		/				/		/	/	/		
Sı	r-90 (Approx. 29 years)	-		/	/							/		V

<sup>\*</sup> Data announced this time is provided in a thick-frame. The other data was announced on March 28.

<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 (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
	Date of sampling	/	/	1	1	Mar 31, 2014	/	Mar 31, 2014	Mar 31, 2014	Mar 31, 2014	/	Mar 31, 2014	Mar 31, 2014	Mar 31, 2014	Mar 31, 2014
	Time of sampling				/	9:30 AM		11:05 AM	10:25 AM	11:28 AM		10:42 AM	9:10 AM	9:33 AM	9:30 AM
	Chloride (unit: ppm)					-		-	-	-		-	-	-	-
C	s-134 (Approx. 2 years)					ND(0.40)		ND(0.46)	6,300 <sup>*1</sup>	21.9		ND(0.43)	22	3.6	ND(1.4)
Cs	s-137 (Approx.30 years)					ND(0.44)		ND(0.52)	16,000 <sup>*1</sup>	56		0.94	59	10	ND(1.2)
	Mn-54 (Approx. 310 days)					ND		ND	190	4.2		ND	ND	ND	ND
The	Co-60 (Approx. 5 years)					ND		ND	680	0.44		ND	ND	ND	ND
other y	Sb-125 (Approx. 3 years)					ND		ND	ND	ND		ND	ND	ND	6.6
	Gross β					ND(17)		230	690,000	34,000		26	430	1,800*1	1,100,000
ŀ	H-3 (Approx. 12 years)	/		1/	1/	Under analysis		Under analysis	Under analysis	Under analysis		Under analysis	Under analysis	Under analysis	Under analysis
Sı	r-90 (Approx. 29 years)					-		-	-	-		-	-	-	-

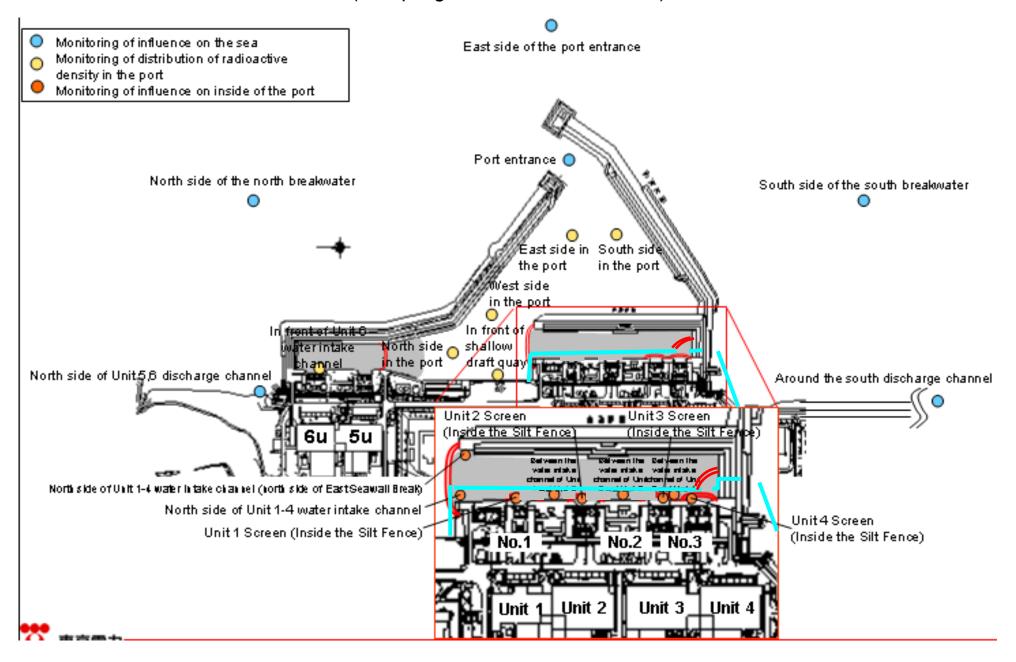
		Underground water observation hole No.1-17	Groundwater pumped up from the well point (between Unit 1 and 2)	Underground water observation hole No.2	Underground water observation hole No.2-2	Underground water observation hole No.2-3	Underground water observation hole No.2-5	Underground water observation 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.3-4	Underground water observation hole No.3-5
	Date of sampling	Mar 31, 2014	Mar 31, 2014	/	/	/	/	1	1	1 /	/	1	1	/
	Time of sampling	10:20 AM	10:00 AM						/		/	/		
	Chloride (unit: ppm)	-	-											
С	s-134 (Approx. 2 years)	ND(0.46)	3.5											
Cs	s-137 (Approx.30 years)	0.95	7.6											
	Mn-54 (Approx. 310 days)	ND	3.3											
The	Co-60 (Approx. 5 years)	ND	ND											
other y	Sb-125 (Approx. 3 years)	ND	ND											
	Gross β	2,900	250,000											
ŀ	H-3 (Approx. 12 years)	Under analysis	Under analysis											
Sı	r-90 (Approx. 29 years)	-	-	ĺ	V	ĺ		/			V			V

<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>\*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 (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	1F, North side of Unit 1-4 water intake channel (north side of East Seawall Break)	1F, Unit 1 Screen (Inside the Silt Fence)	water intake channel of Unit 1	1F, Between the water intake channel of Unit 1 and Unit 2 (lower layer)	1F, Unit 2 Screen	1F, Between the water intake channel of Unit 2 and Unit 3	1F, Unit 3 Screen (Inside the Silt Fence)	1F, Between the water intake channel of Unit 3 and Unit 4	1F, Unit 4 Screen (Inside the Silt Fence)	Density Limit Specified by the Reactor Regulatio n *	s for drinking- water
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

															Unit: Bq/L
	1F, South side of Unit 1-4 water intake channel (In front of impermeable wall)	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	1F, South 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	/	Densi Limit Specific by the Reacte Regula n *	Guideline s for drinking-
Date of Sampling	/	/	Mar 24, 2014	Mar 24, 2014	Mar 24, 2014	Mar 24, 2014	Mar 24, 2014	Mar 24, 2014	Mar 24, 2014	Mar 24, 2014	Mar 24, 2014	Mar 24, 2014			
Time of sampling			8:58 AM	9:06 AM	9:10 AM	9:12 AM	9:02 AM	10:01 AM	10:07 AM	10:13 AM	10:19 AM	10:26 AM			
Cs-134(Approx. 2 years)	/		N D (1.4)	N D (1.5)	ND(1.3)	N D (1.5)	N D (1.3)	ND(0.68)	ND(0.84)	ND(0.76)	ND(0.73)	ND(0.66)		60	10
Cs-137(Approx.30 years)			N D (0.92)	1.5	2.2	ND(1.2)	3.1	ND(0.71)	ND(0.71)	ND(0.59)	ND(0.72)	ND(0.58)		90	10
Gross β			ND(17)	ND(17)	ND(17)	ND(17)	ND(17)	ND(15)	ND(15)	ND(15)	ND(15)	ND(15)			
H-3 (Approx. 12 years)			4.3	8.9	6.7	3.5	4.9	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	/	60,00	0 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 March 25 and 28.

<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/ctb Bq/L]).

#### 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)	water intake channel of Unit 1	1F, Between the water intake channel of Unit 1 and Unit 2 (lower layer)	1F, Unit 2 Screen	1F, Between the water intake channel of Unit 2 and Unit 3	1F, Unit 3 Screen	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 *	s tor drinking-
Date of Sampling			Mar 31, 2014	Mar 31, 2014	/		Mar 31, 2014	Mar 31, 2014	Mar 31, 2014	Mar 31, 2014	Mar 31, 2014	Mar 31, 2014		
Time of sampling			6:36 AM	6:58 AM			6:39 AM	6:43 AM	6:47 AM	6:50 AM	6:49 AM	6:52 AM		
Cs-134(Approx. 2 years)			N D (2.4)	3.7	/		14	8.8	21	5.6	25	14 <sup>*1</sup>	60	10
Cs-137(Approx.30 years)	)		2.4	9.3			36	23	60	17	72	35 <sup>*1</sup>	90	10
Gross β			20	64			330	230	220	180	160	110		
H-3 (Approx. 12 years)			Under analysis	Under analysis			Under analysis	Under analysis	Under analysis	Under analysis	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	1F, South 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>\* &</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>\*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 Dailchi NPS, around Discharge Channel and Bank Protection')

<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/cm to Bq/L]).

u	ni	t٠	Bo	ı/I

	Groundwater observation hole		ndwater		dwater	Grour	dwater	Groun	ndwater	Groun	dwater	Groun	dwater	Groun	ndwater	Ground	dwater	Groun	dwater	Ground	dwater	Groun	dwater	Groun	dwater
	No.0-1		ation hole 0-1-1		tion hole )-1-2		tion hole .0-2		ation hole 0-3-1		tion hole 0-3-2		tion hole .0-4	observa	ation hole o.1	observat No.	ion hole 1-1 <sup>*</sup>	observat No.		observat No.			ition hole .1-4*	observa No.	ition hole .1-5
4 (Approx. 2 years)	9.8 *2 <3/9>	0.61	<3/2>	ND		0.61	[ 10/13 ]	0.44	[ 11/24 ]	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]
7 (Approx.30 years)	25 *2 <3/9>	1.5	<3/2>	0.51	[ 11/17 ]	2.2	<1/12>	0.86	[ 11/20 ]	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
u-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	
n-54 (Approx. 310 days)	ND	ND		ND		ND		ND		0.64	<2/20>	ND		ND		1.0	[ 7/5 ]	62	[ 7/5 ]	ND	(6/6)	ND		ND	
Co-60 (Approx. 5 years)	ND	ND		ND		ND		ND		ND		ND		0.50	[7/19]	ND		3.1	[7/8]	ND		ND		ND	
b-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
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]	380	[ 8/19 ]	56,000	( 8/5
(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	( 8/1
(Approx. 29 years)	140 [8/8]	Under		Under		0.73	[ 9/2 ]	Under		Under		Under		1,300	[ 8/22 ]	2,300	[ 6/28 ]	5,000,000	[ 7/5 ]	130,000	[ 8/8 ]	200	[7/8]	5,100	( 8/2
		arialysis		analysis		l .		ariarysis		anaiysis		alialysis		l		l						l			Unit: E
	Groundwater observation hole No.1-6	observa	ation hole	observa	tion hole	observa	tion hole	observa	ation hole	observa	tion hole	observa	tion hole	observa	tion hole	observat	ion hole	observa	tion hole	pumped the we (betwee	up from Il point n Unit 1	observa	ition hole	observa	idwater ition ho
4 (Approx. 2 years)	5,900 <3/27>	47	[ 11/25 ]	170	[ 9/3 ]	-		1.1	<1/13>	74	[ 10/21 ]	37,000	<2/13>	88 *2	2 <2/27>	3.1 *1	[ 12/13 ]	1.2	[ 12/5 ]	110	[ 9/23 ]	0.88	<2/26>	0.66	[ 9/
7 (Approx.30 years)	15,000 <3/27>	110	[ 11/25 ]	380	[ 9/3 ]	-		2.8	<1/13>	170	[ 10/21 ]	93,000	<2/13>	230 *2	2 <2/27>	4.7	<2/17>	1.5	<3/10>	250	[ 9/23 ]	2.5	<2/26>	1.1	(8/2 (9/
ı-106 (Approx. 370 days)	ND	ND		ND		-		ND		5.4	[ 10/28 ]	ND		ND		9.2	[ 10/28 ]	4.1	[ 12/12 ]	25	[ 9/2 ]	ND		ND	
n-54 (Approx. 310 days)	320 <2/13> <2/17>	12	<2/3>	ND		-		ND		ND		ND		ND		ND		ND		5.9	<3/3>	ND		ND	
Co-60 (Approx. 5 years)	830 <2/20>	1.3	<2/3>	ND		-		ND		0.51	[ 10/24 ]	ND		ND		0.9	[ 11/7 ]	0.61	[ 11/25 ]	ND		ND		ND	
b-125 (Approx. 3 years)	ND	ND		ND		-		ND		61	[ 10/21 ]	ND		ND		11	[ 12/5 ]	2.1	[ 11/25 ]	ND		ND		ND	
Gross β	770,000 <3/27>	59,000	<2/3>	2,100*2	[ 11/17 ]	78	<1/27>	2,300	[ 12/26 ]	730	[ 10/21 ]	260,000	<2/12> <2/13>	1,100	<3/20>	3,100,000	<1/20> <1/30> <2/3>	3,500	<3/24>	700,000	[ 9/23 ]	1,700	[7/8]	380	( 7/2
(Approx. 12 years)	*2 110,000 <2/6>	12,000	<1/6> <2/3>	*2 860	[11/14]	_		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	[ 8/2
(Approx. 29 years)	-	1,300	[ 9/16 ]	170	[ 9/3 ]	-		17	[ 9/13 ]	Under analysis		Under analysis		Under analysis		Under analysis		Under analysis		-		54	[ 5/31 ]	5.9	( 7/2
																							Unit: Bq/L		
7 III III III III III III III III III I	(Approx. 30 years) -106 (Approx. 370 days) -1-54 (Approx. 310 days) -1-54 (Approx. 5 years) -1-25 (Approx. 3 years) -1-25 (Approx. 12 years) -1-26 (Approx. 29 years) -1-27 (Approx. 30 years) -1-28 (Approx. 370 days) -1-29 (Approx. 310 days)	(Approx. 30 years) 25 *2 <3/9> -106 (Approx. 370 days) ND -1-54 (Approx. 310 days) ND -1-25 (Approx. 310 days) ND -1-26 (Approx. 3 years) ND -1-25 (Approx. 3 years) ND -1-26 (Approx. 3 years) ND -1-27 (Approx. 29 years) 140 (8/8) -1-28 (Approx. 29 years) 140 (8/8) -1-29 (Approx. 29 years) 140 (8/8) -1-29 (Approx. 370 days) ND -1-29 (Approx. 370 days) ND -1-29 (Approx. 310 days) 320 <2/13> -2175 (Approx. 310 days) ND -1-25 (Approx. 310 days) ND -1-26 (Approx. 310 days) ND -1-27 (Approx. 310 days) ND -1-28 (Approx. 310 days) ND -1-29 (Approx. 310 days) ND -	Composition   Composition	(Approx. 30 years)       25 *2 <3/9>       1.5 <3/2>         -106 (Approx. 370 days)       ND       ND         n-54 (Approx. 310 days)       ND       ND         0-60 (Approx. 5 years)       ND       ND         0-125 (Approx. 3 years)       ND       ND         Approx. 12 years)       45,000 (8/22)       21 (12/7)         Approx. 12 years)       45,000 (8/29)       18,000 (12/7)         Approx. 29 years)       140 (8/8)       Under analysis         Groundwater observation hole No.1-6       Groundwater observation hole No.1-8         4 (Approx. 2 years)       5,900 <3//27>       47 (11/25)         7 (Approx. 30 years)       15,000 <3//27>       110 (11/25)         1-106 (Approx. 370 days)       ND       ND         1-54 (Approx. 310 days)       320 <2//13>       22/17>       12 <2//>2/3>         0-60 (Approx. 5 years)       830 <2//20>       1.3 <2//>2/3>         0-125 (Approx. 3 years)       ND       ND         Gross β       770,000 <3//27>       59,000 <2//>2/6>         Approx. 12 years)       110,000 <2//6>       12,000 <2//>2/3>	(Approx.30 years)         25 *2 <3/9>         1.5 <3/2>         0.51           -106 (Approx.370 days)         ND         ND         ND           ND         ND         ND         ND           Approx. 3 years)         ND         ND         ND           Approx. 12 years)         45,000 (8/29)         18,000 (12/7)         74,000           Approx. 29 years)         140 (8/8)         Under analysis         Under analysis           Groundwater observation hole No.1-6         Groundwater observation hole No.1-8         Groundwater observation hole No.1-8         ND           4 (Approx. 2 years)         5,900 <3/27>         47         (11/25)         380           4 (Approx. 370 days)         ND         ND         ND           -106 (Approx. 370 days)         ND         ND         ND           -54 (Approx. 310 days)         320 <2/13>         12 < 2/3>         ND           -72 (4pprox. 3 years)         ND <td< td=""><td>(Approx. 30 years)       25 *2 &lt;3/9&gt;       1.5 &lt;3/2&gt;       0.51 (11/17)         -106 (Approx. 370 days)       ND       ND       ND         0-60 (Approx. 310 days)       ND       ND       ND         0-60 (Approx. 5 years)       ND       ND       ND         0-125 (Approx. 3 years)       ND       ND       ND         Approx. 12 years)       45,000 (8/22)       21 (12/7)       21 (11/10)         Approx. 29 years)       140 (8/8)       Under analysis       Under analysis         Groundwater observation hole No.1-6       Servation hole No.1-8       Groundwater observation hole No.1-8       Of the observation hole No.1-9         4 (Approx. 2 years)       5,900 &lt;3/27&gt;       47 (11/25)       170 (9/3)         7 (Approx. 30 years)       15,000 &lt;3/27&gt;       110 (11/25)       380 (9/3)         -106 (Approx. 370 days)       ND       ND       ND         -54 (Approx. 310 days)       320 &lt;2/13&gt;       22/13&gt;       12 &lt;2/3&gt;       ND         0-125 (Approx. 3 years)       830 &lt;2/20&gt;       1.3 &lt;2/3&gt;       ND         0-125 (Approx. 3 years)       ND       ND       ND         0-125 (Approx. 3 years)       ND       ND       ND         0-125 (Approx. 3 years)       ND       ND       ND</td><td>(Approx. 30 years)         25 *2 &lt;3/9&gt;         1.5 &lt;3/2&gt;         0.51 (11/17)         2.2           -106 (Approx. 370 days)         ND         ND         ND         ND         ND           0-60 (Approx. 310 days)         ND         ND         ND         ND         ND           0-60 (Approx. 5 years)         ND         ND         ND         ND         ND           0-125 (Approx. 3 years)         ND         ND         ND         ND         ND           Approx. 12 years)         45,000 (8/22)         21 (12/7)         21 (11/10)         87           Approx. 12 years)         45,000 (8/29)         18,000 (12/7)         74,000 [12/15] (-11/19&gt;         6,800           Approx. 29 years)         140 (8/8)         Under analysis         Under analysis         0.73           Approx. 29 years)         5,900 (8/29)         47         (11/25)         170 (9/3)         -           4 (Approx. 2 years)         5,900 (3/27)         47 (11/25)         170 (9/3)         -           4 (Approx. 3 years)         15,000 (3/27)         10 (11/25)         380 (9/3)         -           4 (Approx. 310 days)         ND         ND         ND         -           0-54 (Approx. 3 years)         830 (2/20)         1.3 (2/3)</td><td>(Approx.30 years)         25 *2 &lt;3/9&gt;         1.5 &lt;3/2&gt;         0.51 (11/17)         2.2 &lt;1/12&gt;         &lt;1/14&gt;         &lt;</td><td>  (Approx.30 years)   25 *2</td><td>  (Approx. 30 years)   25   2   3/9   1.5   3/2   0.51   (11/17)   2.2   &lt;1/12   0.86   (11/20)    </td><td>  (Approx. 30 years)   25 *2</td><td>  (Approx. 30 years)   25   2   3/9   1.5   3/2   0.51   (11/17)   2.2   3/12   0.86   (11/20)   2.1   3/14    </td><td>  (Approx.30 years)   25   2   3/8   1.5   3/2   0.51   (11/17)   2.2   3/12   0.86   (11/20)   2.1   3/14   1.4    -106 (Approx.370 days)   ND</td><td>  (Approx. 30 years)   25   2   3/9   1.5   3/2   0.51   (11/17)   2.2   &lt;1/12   0.86   (11/20)   2.1   &lt;1/14   1.4   &lt;1/12   &lt;1/12   &lt;1/14   1.4   &lt;1/12   &lt;1/15   &lt;1/16   (Approx. 370 days)   ND</td><td>  (Approx. 370 days)   25   2   3/19   1.5   3/12   0.51   (11/17)   2.2   3/112   0.88   (11/20)   2.1   3/114   1.4   3/14  </td><td>  (Approx. 370 days)   25   2   399   1.5   3/2   0.51   (11/17)   2.2   &lt; 1/12   0.86   (11/20)   2.1   &lt; 1/14   1.4   &lt; 1/12   31   (8/29)   1.5   (4/20)</td><td>  (Approx. 370 days)   25   2   209   1.5   202   0.51   (11/17)   2.2   2   1/12   0.86   (11/20)   2.1   2   1/14   1.4   2   1/12   31   (8/29)   3.6   1/10  </td><td>  Composition   1.5   2.</td><td>(Approx.39) easi)</td><td>(Approx. 3) early   25</td><td>(Approx. 3) years)</td><td>(Approx.30 years)</td><td>(Approx.30 years)</td><td>(Approx 3) eyems)</td><td>Approx 29 years)</td></td<>	(Approx. 30 years)       25 *2 <3/9>       1.5 <3/2>       0.51 (11/17)         -106 (Approx. 370 days)       ND       ND       ND         0-60 (Approx. 310 days)       ND       ND       ND         0-60 (Approx. 5 years)       ND       ND       ND         0-125 (Approx. 3 years)       ND       ND       ND         Approx. 12 years)       45,000 (8/22)       21 (12/7)       21 (11/10)         Approx. 29 years)       140 (8/8)       Under analysis       Under analysis         Groundwater observation hole No.1-6       Servation hole No.1-8       Groundwater observation hole No.1-8       Of the observation hole No.1-9         4 (Approx. 2 years)       5,900 <3/27>       47 (11/25)       170 (9/3)         7 (Approx. 30 years)       15,000 <3/27>       110 (11/25)       380 (9/3)         -106 (Approx. 370 days)       ND       ND       ND         -54 (Approx. 310 days)       320 <2/13>       22/13>       12 <2/3>       ND         0-125 (Approx. 3 years)       830 <2/20>       1.3 <2/3>       ND         0-125 (Approx. 3 years)       ND       ND       ND         0-125 (Approx. 3 years)       ND       ND       ND         0-125 (Approx. 3 years)       ND       ND       ND	(Approx. 30 years)         25 *2 <3/9>         1.5 <3/2>         0.51 (11/17)         2.2           -106 (Approx. 370 days)         ND         ND         ND         ND         ND           0-60 (Approx. 310 days)         ND         ND         ND         ND         ND           0-60 (Approx. 5 years)         ND         ND         ND         ND         ND           0-125 (Approx. 3 years)         ND         ND         ND         ND         ND           Approx. 12 years)         45,000 (8/22)         21 (12/7)         21 (11/10)         87           Approx. 12 years)         45,000 (8/29)         18,000 (12/7)         74,000 [12/15] (-11/19>         6,800           Approx. 29 years)         140 (8/8)         Under analysis         Under analysis         0.73           Approx. 29 years)         5,900 (8/29)         47         (11/25)         170 (9/3)         -           4 (Approx. 2 years)         5,900 (3/27)         47 (11/25)         170 (9/3)         -           4 (Approx. 3 years)         15,000 (3/27)         10 (11/25)         380 (9/3)         -           4 (Approx. 310 days)         ND         ND         ND         -           0-54 (Approx. 3 years)         830 (2/20)         1.3 (2/3)	(Approx.30 years)         25 *2 <3/9>         1.5 <3/2>         0.51 (11/17)         2.2 <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/12>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <1/14>         <	(Approx.30 years)   25 *2	(Approx. 30 years)   25   2   3/9   1.5   3/2   0.51   (11/17)   2.2   <1/12   0.86   (11/20)	(Approx. 30 years)   25 *2	(Approx. 30 years)   25   2   3/9   1.5   3/2   0.51   (11/17)   2.2   3/12   0.86   (11/20)   2.1   3/14	(Approx.30 years)   25   2   3/8   1.5   3/2   0.51   (11/17)   2.2   3/12   0.86   (11/20)   2.1   3/14   1.4    -106 (Approx.370 days)   ND	(Approx. 30 years)   25   2   3/9   1.5   3/2   0.51   (11/17)   2.2   <1/12   0.86   (11/20)   2.1   <1/14   1.4   <1/12   <1/12   <1/14   1.4   <1/12   <1/15   <1/16   (Approx. 370 days)   ND	(Approx. 370 days)   25   2   3/19   1.5   3/12   0.51   (11/17)   2.2   3/112   0.88   (11/20)   2.1   3/114   1.4   3/14	(Approx. 370 days)   25   2   399   1.5   3/2   0.51   (11/17)   2.2   < 1/12   0.86   (11/20)   2.1   < 1/14   1.4   < 1/12   31   (8/29)   1.5   (4/20)	(Approx. 370 days)   25   2   209   1.5   202   0.51   (11/17)   2.2   2   1/12   0.86   (11/20)   2.1   2   1/14   1.4   2   1/12   31   (8/29)   3.6   1/10	Composition   1.5   2.	(Approx.39) easi)	(Approx. 3) early   25	(Approx. 3) years)	(Approx.30 years)	(Approx.30 years)	(Approx 3) eyems)	Approx 29 years)

																									Unit: Bq/L
		Ground observati No.		observa	ndwater ation hole 0.2-3		dwater tion hole 2-5	observa	ndwater ation hole a.2-6	observa	dwater tion hole .2-7	Ground observat No.	tion hole	Ground observati No.2	on hole	the we	up from	observa	ndwater ation hole lo.3	observa	ndwater ation hole .3-1*	observa	ndwater ation hole 0.3-4	observa	ndwater ation hole 0.3-5
С	s-134 (Approx. 2 years)	15	<2/12>	2.2	<2/26>	25	<2/12>	17	<3/11>	3.5	<2/23>	-		-		1.2	<3/9>	3.5	(7/25)	1.2	(7/25) (8/8)	1.9	<1/8>	64	<1/15>
С	s-137 (Approx.30 years)	38	<2/12>	5.5	<2/26>	62	<2/12>	50	<3/11>	9.0	<2/23>	-		0.58 *2	<2/11>	3.1	<3/9>	5.9	( 8/8 )	2.6	[ 8/1 ]	5.2	<3/13>	170	<1/15>
	Ru-106 (Approx. 370 days)	ND		ND		ND		ND		ND		-		6.5	<2/11>	ND		ND		ND		ND		-	
The	Mn-54 (Approx. 310 days)	ND		0.29	[ 12/6 ]	0.94	<1/8>	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)	ND		ND		30	<2/12>	ND		ND		-		-		ND		1.6	<1/1>	ND		ND		-	
	Gross β	570	<3/26>	1,500	[ 12/6 ]	150,000	<2/12>	3,200	[ 12/5 ]	640	<3/28>	3,600*2	<3/23>	1,700*2	<2/7>	240,000	[12/12]	1,400	(7/11)	180	[ 8/1 ]	18	<3/12>	69	<1/29>
	H-3 (Approx. 12 years)	660	<1/8>	1,700	[ 12/6 ]	6,300	[ 12/4 ]	1,200	[11/24] [11/27]	1,100	<1/17>	*2 1300	<3/9>	*2 13,000	<2/7>	5,100	(12/6)	3,200	(2012/12/ 12)	460	[ 8/1 ]	170	( 9/18 )	170	<1/8>
	Sr-90(Approx. 29 years)	Under analysis		Under analysis		Under analysis		Under analysis		Under analysis		-		-		-		8.3	(2012/12/ 12)	4.4	[ 7/23 ]	ND		-	

<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.)

 $<sup>^{\</sup>star}$  "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

		n side of Unit arge channel		ont of Unit 6 ake channel		nt of shallow ft quay	4 water in (north s	side of Unit 1- take channel ide of East all Break)	intake char and Unit	en the water nnel of Unit 1 2 (surface yer)	intake cha	een the water nnel of Unit 1 (lower layer)		t 2 Screen e Silt Fence)	intake cha	een the water nnel of Unit 2 I Unit 3		t 3 Screen e Silt Fence)	intake char	een the water nnel of Unit 3 Unit 4		t 4 Screen e Silt Fence)	4 water in (In front of	side of Unit 1- take channel impermeable vall)
Cs-134(Approx. 2 years)	1.8	[6/21]	2.8	[ 12/2 ]	5.3	( 8/5 )	32	[ 10/11 ]	87	[ 10/10 ]	93	[ 10/10 ]	370	[ 10/9 ]	52	[ 12/21 ]	350	[ 7/15 ]	28	[ 9/16 ]	62	[ 9/16 ]	9.6	<3/24>
Cs-137(Approx.30 years)	4.5	<3/17>	5.8	[ 12/2 ]	8.6	( 8/5 )	73	[10/11]	200	[ 10/10 ]	200	[ 10/10 ]	830	[ 10/9 ]	110	[10/11] [12/21]	770	( 7/15 )	53	[ 12/16 ]	140	[ 9/16 ]	22	<3/24>
Gross β	17	<1/6>	46	(8/19)	40	[ 7/3 ]	320	[ 8/12 ]	1,200	[ 12/8 ]	450	[7/16]	1,700	[ 10/9 ]	480	[ 10/7 ]	1,000	[ 7/15 ]	390	[ 8/12 ]	360	[ 10/7 ]	380	<3/10>
H-3 (Approx. 12 years)	8.6	(6/26)	24	(8/19)	340	(6/26)	510	[ 9/2 ]	2,800	[ 12/8 ]	1,600	( 9/1 )	2,100	[ 10/28 ]	1,200	[ 10/7 ]	410	[ 9/2 ]	650	[8/12]	400	[8/12] [10/7]	290	<3/17>
Sr-90 (Approx. 29 years)	5.8	*1 (6/26)	-		7.4	*1 (6/26)	220	[8/19]	480	[ 10/14 ]	480	[ 8/22 ]	290	[ 10/20 ]	430	[ 10/14 ]	340	[ 10/14 ]	120	[ 9/23 ]	190	[ 9/23 ]	130	[ 9/23 ]

Unit: Bq/L

	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		1F, South side in the port		North side of the north breakwater		Northeast side of the port entrance	East side of the south breakwater		Southeast side of the north breakwater	South side of the south breakwater
Cs-134(Approx. 2 years)	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)	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	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)	1.9	[11/25]	68	[8/19]	67	[ 8/19 ]	59	[ 8/19 ]	52	[ 8/19 ]	60	(8/19)	4.7	( 8/14 )	ND	6.4	[ 10/8 ]	ND	ND
Sr-90 (Approx. 29 years)	0.36	*1 ( 6/26 )	49	[ 8/19 ]	-		-		-		-		-		-	-		-	-

<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.

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

[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>\*1</sup> Since reanalysis is ongoing, the figures are just for a reference.

<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

 $<sup>\</sup>mbox{\ensuremath{^{*}}}\mbox{\ensuremath{^{"}}}\mbo$