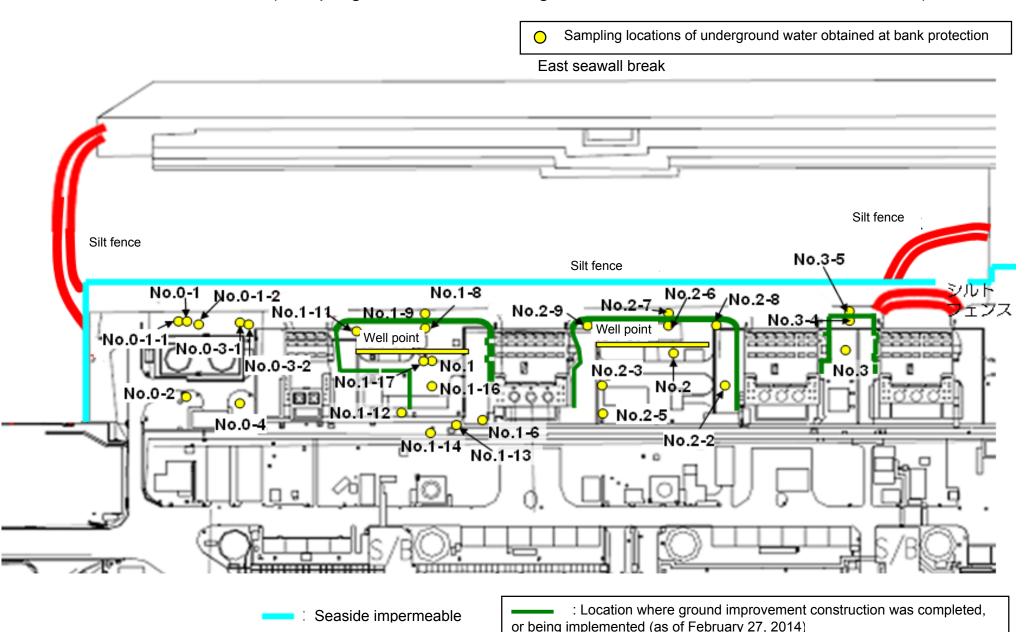
Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (Sampling Locations of Underground Water Obtained at Bank Protection)



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 /	/	1	Mar 27, 2014	/	1	/	
	Time of sampling					/	/		/	/	7:40 AM				
	Chloride (unit: ppm)										250				
C	s-134 (Approx. 2 years)										7.0				
Cs	s-137 (Approx.30 years)										18				
	Sb-125 (Approx. 3 years)										ND				
The															
other y															
	Gross β										54				
ŀ	H-3 (Approx. 12 years)	/		/							220				
Sr	r-90 (Approx. 29 years)		ĺ		/			/			-	ĺ	Í	/	/

		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 26, 2014	Mar 26, 2014	Mar 26, 2014	/	Mar 27, 2014	Mar 28, 2014	Mar 26, 2014	Mar 26, 2014	Mar 26, 2014	Mar 26, 2014	Mar 26, 2014
	Time of sampling			9:31 AM	10:44 AM	9:02 AM		10:41 AM	10:38 AM	11:44 AM	10:05 AM	10:20 AM	10:45 AM	10:45 AM
	Chloride (unit: ppm)			-	-	-		-	900	-	-	-	-	3,200
С	s-134 (Approx. 2 years)			ND(0.36)	12	ND(0.42)		ND(0.42)	ND(0.42)	-	ND(0.53)	ND(0.56)	1.9	14
C	s-137 (Approx.30 years)			0.79	33	ND(0.55)		ND(0.54)	1.1	-	0.79	1.7	4.9	37
	Sb-125 (Approx. 3 years)			ND	ND	ND		ND	ND	-	ND	1.2	ND	ND
The														
other y														
	Gross β			340	570	1,000		2,000	640	3,200	100,000	ND(18)	ND(18)	22
1	H-3 (Approx. 12 years)		/	840	450	1,000		990	650	1,200	4,600	210	ND(110)	180 ^{*1}
S	r-90 (Approx. 29 years)		/	-	-	-		-	-	-	-	-	-	-

^{*} Data announced this time is provided in a thick-frame. The other data was announced on March 24, 25 and 26.

^{* &}quot;ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

^{* &}quot;-" indicates that the measurement was out of range.

^{*} The results obtained on in the observation hole No.2-2 and 2-8 are for a reference, since the water was highly turbid. (γ and Gross β will be measured after filtration. If filtration takes a long time, γ will not be measured.)

^{*1} 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

		Underground	Underground	Underground	Underground	Underground	Underground	Underground	Underground	Underground	Underground	Underground	Underground	Unit: Bq/	L (exclude chloride
		water observation hole No.0-1*	water observation hole No.0-1-2	water observation hole No.0-2	water observation hole No.0-3-1	water observation hole No.0-3-2	water observation hole No.0-4	water observation hole No.1	water observation hole No.1-6	water observation hole No.1-8	water observation hole No.1-9	water observation hole No.1-11	water observation hole No.1-12	water observation hole No.1-14	water observation hole No.1-16
	Date of sampling	Mar 30, 2014	41,728	Mar 30, 2014	Mar 30, 2014	/	Mar 30, 2014	/	/	1 /	Mar 30, 2014	/	/	1	1
	Time of sampling	12:30 PM	11:39 AM	11:00 AM	11:21 AM		10:19 AM				6:40 AM			/	,
	Chloride (unit: ppm)	-	-	-	-		-				280				/
С	s-134 (Approx. 2 years)	10 ^{*1}	ND(0.41)	ND(0.45)	ND(0.63)		ND(0.39)				9.7				
С	s-137 (Approx.30 years)	28 ^{*1}	ND(0.48)	0.9	ND(0.52)		ND(0.54)				26				
The															
other y															
	Gross β	170	ND(18)	ND(18)	ND(18)		ND(18)				86				
	H-3 (Approx. 12 years)	Under analysis	Under analysis	Under analysis	Under analysis	/	Under analysis				Under analysis			/	
S	r-90 (Approx. 29 years)	-	-	-	-	/	-		/	/	-	/	/	/	/
			Groundwater								Groundwater				1
		Underground water observation	pumped up from the well point	Underground water observation	Underground water observation	Underground water observation	Underground water observation	Underground water observation	Underground water observation	Underground water observation	pumped up from the well point	Underground water observation	Underground water observation	Underground water observation	
		hole No.1-17	(between Unit 1 and 2)	hole No.2	hole No.2-2	hole No.2-3	hole No.2-5	hole No.2-6	hole No.2-7	hole No.2-8	(between Unit 2 and 3)	hole No.3	hole No.3-4	hole No.3-5	

		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 30, 2014	Mar 30, 2014	Mar 30, 2014	/	1	Mar 30, 2014	Mar 30, 2014	/	1	/	1
	Time of sampling			9:55 AM	11:05 AM	9:25 AM			10:10 AM	11:53 AM				
	Chloride (unit: ppm)			-	-	-			940	-				
C	s-134 (Approx. 2 years)			ND(0.36)	11	ND(0.40)			ND(0.47)	ND(0.44)				
Cs	s-137 (Approx.30 years)			ND(0.51)	29	ND(0.50)			1.4	ND(0.51)				
The														
other y														
	Gross β			350	540	980			730 ^{*1}	4,100*1				
ŀ	H-3 (Approx. 12 years)			Under analysis	Under analysis	Under analysis			Under analysis	Under analysis				
Sı	r-90 (Approx. 29 years)	/		-	-	-			-	Under analysis	/			

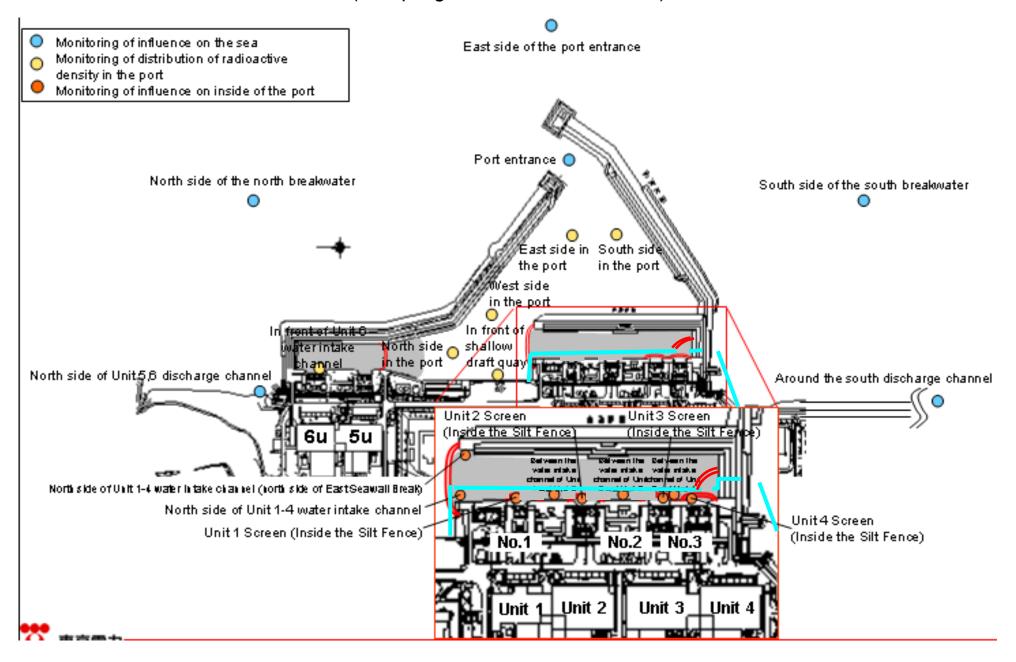
^{* &}quot;ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

^{* &}quot;-" indicates that the measurement was out of range.

^{*} The results obtained on in the observation hole No.0-1 are for a reference, since the water was highly turbid. (γ and Gross β will be measured after filtration. If filtration takes a long time, γ will not be measured.)

^{*1} 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 (north side of East Seawall Break)	1F, Between the	1F, Between the water intake channel of Unit 1 and Unit 2 (lower layer)	1F, Unit 2	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			/	/	Mar 27, 2014	Mar 27, 2014	/	1	/		/			
Time of sampling					7:36 AM	7:36 AM								
Cs-134(Approx. 2 years)					8.2	6.5	/						60	10
Cs-137(Approx.30 years)				/	26	17	/						90	10
Gross β					260	75								
H-3 (Approx. 12 years)			/	/	1,000	240							60,000	10,000
Sr-90 (Approx. 29 years)	/	/	/	/	-	-	/	V	/	/	/	/	30	10

													ι	Jnit: 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		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 Limit Specified by the Reactor Regulatio n *	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)	/	/	/	/	/	/	/	/	/	/	/	V	30	10

^{*} Data announced this time is provided in a thick-frame. The other data was announced on March 28.

^{* &}quot;ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

^{* &}quot;-" indicates that the measurement was out of range.

^{*} 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]).

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, Between the water intake channel of Unit 1 and Unit 2 (surface layer)	1F, Between the water intake channel of Unit 1 and Unit 2 (lower layer)	1F, Unit 2	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	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				/	Mar 30, 2014	Mar 30, 2014	/				/			
Time of sampling					6:37 AM	6:37 AM								
Cs-134(Approx. 2 years)					8.0	5.6							60	10
Cs-137(Approx.30 years)				/	23	12							90	10
Gross β					430	73								
H-3 (Approx. 12 years)		/		/	Under analysis	Under analysis	/						60,000	10,000
Sr-90 (Approx. 29 years)	/	/	/	/	-	-	/	/	/	/	/	/	30	10

														Jnit: 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		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 Limit Specified by the Reactor Regulatio n *	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

^{* &}quot;ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

^{* &}quot;-" indicates that the measurement was out of range.

^{*} 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 [*]	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 ^{*1}	[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 <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</td><td>(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)</td><td>(Approx.30 years) 25 *2 <3/9> 1.5 <3/2> 0.51 (11/17) 2.2 <1/12> <1/14> <</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 <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 <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</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 < 1/12 0.86 (11/20) 2.1 < 1/14 1.4 < 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		-	

^{*1} 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.)

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

^{*} 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

		ide of Unit 5,6 ge channel		ont of Unit 6 take channel		nt of shallow ft quay		de of Unit 1-4 ake channel	water int	side of Unit 1-4 take channel side of East all Break)		t 1 Screen e Silt Fence)	intake cha	en the water nnel of Unit 1 (surface layer	intake cha			t 2 Screen e Silt Fence)	intake char	en the water nnel of Unit 2 Unit 3		t 3 Screen e Silt Fence)	intake cha	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)	89	[10/10]	32	[10/11]	73	[10/10]	87	[10/10]	93	(10/10)	370	[10/9]	52	[12/21]	350	[7/15]	28	(9/16)	62	(9/16)
Cs-137(Approx.30 years)	4.5	<3/17>	5.8	[12/2]	8.6	(8/5)	190	[10/10]	73	(10/11)	170	(10/10)	200	[10/10]	200	(10/10)	830	[10/9]	110	(10/11) (12/21)	770	[7/15]	53	[12/16]	140	(9/16)
Gross β	17	<1/6>	46	(8/19)	40	[7/3]	1,400	[11/7]	320	(8/12)	740	(10/28)	1,200	[12/8]	450	[7/16]	1,700	[10/9]	480	[10/7]	1,000	[7/15]	390	[8/12]	360	[10/7]
H-3 (Approx. 12 years)	8.6	[6/26]	24	(8/19)	340	(6/26)	4,800	[11/7]	510	(9/2)	2,800	(10/28)	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)
Sr-90 (Approx. 29 years)	5.8	*1 (6/26)	-		7.4	(6/26)	720	[9/22]	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, 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		t 1F, West side in the port		1F, North side in the port		11F, South side in the por		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)	9.6	<3/24>	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)	22	<3/24>	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)	290	<3/17>	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)	-		1		ı		-		-	-	-	-	-

^{*} 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

^{*1} Since reanalysis is ongoing, the figures are just for a reference.

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

^{*} Date of sampling is provided in parentheses. (): 2013, < >: 2014

^{* &}quot;-" indicates that the measurement was out of range.