

## Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (1/3) 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	Jun 8, 2014	41,798	Jun 8, 2014	Jun 8, 2014	Jun 9, 2014	Jun 8, 2014	Jun 9, 2014	Jun 9, 2014	Jun 9, 2014	Jun 10, 2014	Jun 9, 2014	Jun 9, 2014	Jun 9, 2014	Jun 9, 2014	Jun 9, 2014
	Time of sampling	11:44 AM	10:58 AM	10:20 AM	10:41 AM	9:30 AM	9:47 AM	10:23 AM	10:15 AM	11:16 AM	6:33 AM	10:00 AM	9:21 AM	9:33 AM	9:40 AM	9:40 AM
	Chloride (unit: ppm)	-	-	-	-	-	-	-	-	-	70	-	-	-	-	-
0	Cs-134 (Approx. 2 years)	24	ND(0.40)	ND(0.45)	ND(0.39)	ND(0.48)	ND(0.41)	ND(0.40)	6,300	14	2.5	0.68	5.9	19	2.4	ND(0.44)
C	Cs-137 (Approx.30 years)	71	ND(0.48)	0.74	ND(0.51)	ND(0.58)	ND(0.57)	ND(0.49)	17,000	40	6.5	1.7	17.0	50	5.6	0.52
	Mn-54 (Approx. 310 days)	ND	ND	ND	ND	0.53	ND	ND	100	4.0	ND	ND	ND	0.40	ND	ND
The	Co-60 (Approx. 5 years)	ND	ND	ND	ND	ND	ND	ND	390	ND	ND	ND	ND	ND	ND	0.50
other y	Sb-125 (Approx. 3 years)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND
	Gross β	210	ND(19)	ND(19)	ND(19)	ND(19)	ND(19)	140	750,000	12,000	ND(19)	85	540	4,800	890,000	32,000
	H-3 (Approx. 12 years)	3,000	10,000	1,500	ND(110)	27,000	900	140,000	5,700	29,000	ND(110)	9,500	47,000	15,000	9,000	12,000
5	Sr-90 (Approx. 29 years)	-	-	-	-	-	-	Under analysis	Under analysis	Under analysis	-	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	Jun 9, 2014	/	/	/	/	Jun 10, 2014	/	/	/	/	/	/	/	/
	Time of sampling	10:00 AM	/	/	/	/	10:55 AM	/	/	/	/	/	/	/	/
	Chloride (unit: ppm)	-	/		/		-	/	/	/		/	/	/	/
С	s-134 (Approx. 2 years)	23		/	/	/	ND(0.45)	/	/	/		/	/	/	/
C	s-137 (Approx.30 years)	64	/		/	/	ND(0.57)	/	/	/	/			/	/
	Mn-54 (Approx. 310 days)	3.9	/	/	/	/	ND	/	/	/	/	/	/	/	
The	Co-60 (Approx. 5 years)	0.61		/	/		ND	/	/	/	/				
other $\boldsymbol{\gamma}$	Sb-125 (Approx. 3 years)	ND	/	/	/	/	ND	/	/	/	/	/	/	/	
						/			/	/					
	Gross β	310,000					2,300	/		/				/	
I	H-3 (Approx. 12 years)	66,000	/	/	/	/	850	/	/	/	/	/	/	/	/
Si	r-90 (Approx. 29 years)	-	V	V	/	V	-	V	V	/	/	V	V	/	Í

\* Data announced this time is provided in a thick-frame. The other data was announced on June 9, 10, and 11.

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

\* "-" indicates that the measurement was out of range.

\* The results obtained on in the observation hole No.0-1 and No1-8 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.)

## Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (2/3) 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	/		/ /	/	Jun 12, 2014	/	Jun 12, 2014	Jun 12, 2014	/	Jun 12, 2014	Jun 12, 2014	Jun 12, 2014	Jun 12, 2014	Jun 12, 2014	Jun 12, 2014
	Time of sampling	/		/	/	9:30 AM	/	11:15 AM	10:52 AM		6:08 AM	10:53 AM	10:05 AM	10:20 AM	10:37 AM	10:32 AM
	Chloride (unit: ppm)	/	/	/	/	-	/	-	-	/	70	-	-	-	-	-
C	s-134 (Approx. 2 years)	/		/	/	ND(0.35)	/	ND(0.40)	6,800 <sup>*1</sup>		3.4	0.94	4.3	14	1.90	1.3 <sup>*1</sup>
С	s-137 (Approx.30 years)	/		/	/	ND(0.47)	/	0.58	19,000 <sup>*1</sup>	/	8.6	2.0	12	35	4.6	1.1
	Mn-54 (Approx. 310 days)	/		/	/	ND	/	ND	120		ND	ND	ND	ND	ND	ND
The	Co-60 (Approx. 5 years)	/				ND		ND	470		ND	ND	ND	ND	ND	ND
other y	Ru-106 (Approx. 370 days)					ND		3.5	ND		ND	ND	ND	ND	ND	ND
	Sb-125 (Approx. 3 years)					ND		ND	ND		ND	ND	ND	ND	13	ND
	Gross β	/				ND(17)	/	130	840,000		ND(17)	76	180	3,100	1,000,000	63,000 <sup>*1</sup>
	H-3 (Approx. 12 years)	/	/	/	/	Under analysis	/	Under analysis	Under analysis	/	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis
S	r-90 (Approx. 29 years)	/	/	/	/	-	/	-	-	/	-	-	-	-	-	-

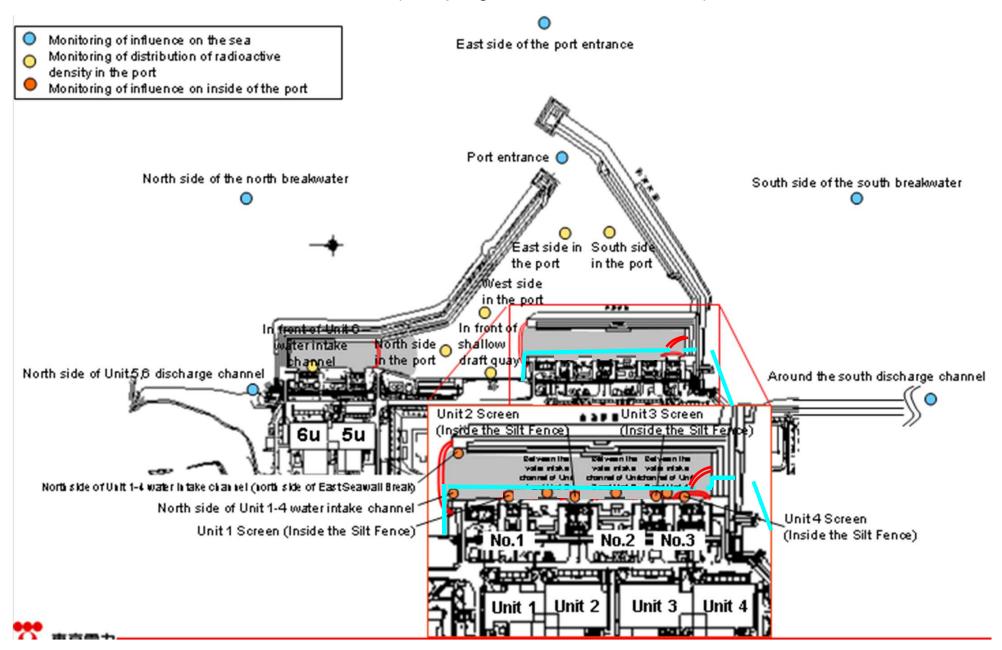
		Groundwater pumped up from the well point (between Unit 1 and 2)	Underground water observation hole No.2	Underground water observation hole No.2-2*	Underground water observation hole No.2-3	Underground water observation hole No.2-5	Underground water observation hole No.2-6	Underground water observation 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	/	/	/	/	/	Jun 12, 2014	/	/	/	1 /	/	/	/	/
	Time of sampling	/	/	/	/	/	9:26 AM	/	/			/	/	/	/
	Chloride (unit: ppm)	/	/	/	/	/	-		/			/	/	/	
C	Cs-134 (Approx. 2 years)	/	/	/	/	/	ND(0.38)	/	/		/	/	/	/	/
С	s-137 (Approx.30 years)	/	/	/			ND(0.45)	/				/		/	/
	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	/		/			2,500								/
	H-3 (Approx. 12 years)	/	/	/	/	/	Under analysis	/	/	/	/	/	/	/	/
S	r-90 (Approx. 29 years)	/	/	/	/	/	-	/	/	/	/	/	/	/	/

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

\* "-" indicates that the measurement was out of range.

\*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 (3/3) Seawater

	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 channel (in front of impermeable wall)		water intake	1F, In front of Unit 2 discharge channel (in front of impermeable wall)	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 Regulation	WHO Guidelines for drinking- water quality
Date of Sampling	Jun 9, 2014	Jun 9, 2014	Jun 9, 2014	Jun 9, 2014	Jun 9, 2014	Jun 10, 2014	Jun 10, 2014	Jun 9, 2014	Jun 9, 2014	Jun 9, 2014	Jun 9, 2014		
Time of sampling	6:33 AM	6:45 AM	6:17 AM	6:47 AM	6:24 AM	6:30 AM	6:30 AM	6:28 AM	6:32 AM	6:41 AM	6:35 AM		
Cs-134(Approx. 2 years)	ND(0.74)	ND(2.3)	ND(3.1)	ND(2.2)	3.5	3.1	4.0	4.7	19	16	7.7	60	10
Cs-137(Approx.30 years)	ND(0.71)	ND(2.5)	ND(2.3)	2.7	7.9	7.6	8.3	9.5	45	36	23	90	10
Gross β	12	ND(18)	ND(18)	ND(18)	68	1,300	1,500	50	660	410	170		
H-3 (Approx. 12 years)	ND(1.6)	ND(3.5)	2.3	ND(110)	ND(110)	3,800	3,900 <sup>*1</sup>	160	1,800 <sup>*1</sup>	1,200 <sup>*1</sup>	450	60,000	10,000
Sr-90 (Approx. 29 years)	Under analysis	-	Under analysis	Under analysis	-	-	-	-	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	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 Limit Specified by the Reactor Regulation	WHO Guidelines for drinking- water quality
Date of Sampling	Jun 9, 2014	/	/	/	/	/	/	/	/	/	/		
Time of sampling	5:45 AM	/											
Cs-134(Approx. 2 years)	1.8	/				/					/	60	10
Cs-137(Approx.30 years)	4.90									/		90	10
Gross β	16	. /											
H-3 (Approx. 12 years)	ND(1.6)											60,000	10,000
Sr-90 (Approx. 29 years)	Under analysis	/	V	/	/	/	V	/	V	/	/	30	10

\* Data announced this time is provided in a thick-frame. The other data was announced on June 10 and 11.

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

\* "-" 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<sup>3</sup> to Bq/L]).

\*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')

Unit: Bg/L

Unit: Bg/L

#### <Reference> The Highest Dose Until the Previous Measurement (Groundwater Obtained at Bank Protection)

													-		-				1									Unit: Bq/
	observa	tion hole	observa	ation hole	observat	ion hole	observa	tion hole	observa	tion hole	observa	tion hole	observa	tion hole	observa	ion hole	observa	tion hole	observa	tion hole	observa	tion hole	observa	tion hole	observat	tion hole	observa	ndwater ation hole 5.1-6
Cs-134 (Approx. 2 years)	29	<5/25>	ND		0.61	<3/2>	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-137 (Approx.30 years)	78	<5/25>	ND		1.5	<3/2>	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]	17,000	<6/2>
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	
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>
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	[8/26]	ND		12	[8/8]	34	<5/19>
Gross β	300	[8/29] <5/18>	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] [8/15]	380	[8/19]	56,000	[8/5]	860,000	<5/8>
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	-
Sr-90(Approx. 29 years)	140	[8/8]	7.9	[12/7]	2.6	[11/10]	0.73	[9/2]	1.5	[11/20]	2.3	[12/6]	ND(0.83)	[10/27]	1,300	[8/22]	2,300	[6/28]	5,000,000	[7/5]	130,000	[8/8]	200	[7/8]	5,100	[8/22]	-	
											r								-									Unit: Bq/
	observa	tion hole	observa	ation hole	observat	tion hole	observa	tion hole	observa	tion hole	observa	tion hole	observa	tion hole	observa	tion hole	observa	tion hole	pumped the we (betwee	up from Il point n Unit 1	observa	tion hole	observa	tion hole	observat	tion hole	observa	ndwater ation hole 5.2-3
Cs-134 (Approx. 2 years)	47	[11/25]	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>
cs-137 (Approx.30 years)	110	[11/25]	380	[9/3]	-		3.4	<4/28>	170	[10/21]	93,000	<2/13>	230 *2	2/27>	5.6	<6/9>	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> <5/1>	25	[9/2]	ND		ND		ND		ND	
Mn-54 (Approx. 310 days)	12	<2/3>	ND		-		ND		ND		ND		0.4	<6/9>	ND		ND		8.5	<4/28>	ND		ND		ND		0.29	[12/6]
Co-60 (Approx. 5 years)	1.3	<2/3>	ND		-		ND		0.51	[10/24]	ND		0.44	<5/29>	0.9	[11/7]	0.61	[11/25]	0.61	<6/9>	ND		ND		ND		ND	
Sb-125 (Approx. 3 years)	ND		ND		-		ND		61	[10/21]	ND		ND		18	<5/29>	2.1	[11/25]	ND		ND		ND		ND		ND	
Gross β	59,000	<2/3>			78 *2	<1/27>	2,300	[12/26]	1,100	<5/5>	260,000	<2/12> <2/13>	4,800	<6/9>	3,100,000	<1/20> <1/30> <2/3>	32,000	<6/9>	700,000	[9/23]	1,700	[7/8]	380	[7/29]	600	<4/16>	1,500	[12/6] <1/8>
H-3 (Approx. 12 years)	33,000	<6/2>	860 *2	2 [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]
Sr-90(Approx. 29 years)	20,000	[12/9]	300	[10/3]	-		18	[10/21]	290	[10/21]	Under analysis		98	[12/9]	1,400,000	[12/9]	9.5	[12/9]	-		54	[5/31]	5.9	[7/25]	320	[12/25]	1,200	[12/6]
	observa	tion hole	observa	ation hole	observat	ion hole	observa	tion hole	observa	tion hole	pumped the we (betwee	up from Il point In Unit 2	observa	tion hole	observa	ion hole 3-1 <sup>°</sup>	observa	tion hole .3-2	observa	tion hole	observa	tion hole	Groun observa	dwater tion hole				
Cs-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	[8/8]	12	<6/11>	73	<5/21>	3.8	<6/11>	64	<1/15>				
	110	<5/7>	50	<3/11>	9.0	<2/23>	1.3	<4/9>	*2		4.7	<4/23>	5.9	[8/8]	2.6	[8/1]	33	<5/28> <6/11>	200	<5/21>	12	<6/11>	170	<1/15> <6/4>				
Ru-106 (Approx. 370 days)	ND		ND		ND		ND		6.5	<2/11>	ND		ND		ND		ND				ND		-					
Mn-54 (Approx. 310 days)	0.95	<6/4>	ND		ND		ND		ND		ND		ND		ND		ND				0.54	[10/30]	-					
Co-60 (Approx. 5 years)	ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		-					
Sb-125 (Approx. 3 years)	74	<5/7>	ND		ND		ND		ND		ND		1.6	<1/1>	ND		ND *0		ND		ND		-					
Gross β	150,000	<2/12>	3,200	[12/5]	1,100	<6/8>	4,300	<6/4>	1,700	<2/7>	240,000	[12/12]	1,400	[7/11]	180	[8/1]	2,800	<5/28>	4,900	<4/30>	33	<6/11>	350	<5/28>				
H-3 (Approx. 12 years)	7,900	<4/9>	1,200	[11/24] [11/27]	1,100	<1/19>	1,700	<4/6> <6/8>	13,000 <sup>*2</sup>	<2/7> <2/11>	6,200	<6/4>	3,200	[2012/12/ 12]	460	[8/1]	2,800	<5/14>	8,000	<5/7>	170	[9/18]	170	<1/8>				
	Under		Under				Under		Under					[2012/12/			Under	-										
	Mn-54 (Approx. 310 days)           Co-60 (Approx. 5 years)           Sb-125 (Approx. 3 years)           Sb-125 (Approx. 3 years)           Sr-90(Approx. 12 years)           Sr-90(Approx. 29 years)           Sr-90(Approx. 30 years)           Ru-106 (Approx. 370 days)           Mn-54 (Approx. 3 years)           Sb-125 (Approx. 3 years)           Sr-90(Approx. 12 years)           Sr-90(Approx. 29 years)           Sr-30(Approx. 29 years)           Sr-30(Approx. 29 years)           Sr-30(Approx. 29 years)           Sr-30(Approx. 30 years)           Sr-3137 (Approx.30 years)           Ru-106 (Approx. 370 days)           Mn-54 (Approx. 310 days)           Y           Co-60 (Approx. 5 years)           Sb-125 (Approx. 3 years)	observa No           S=134 (Approx.2 years)         29           2s-137 (Approx.30 years)         78           Ru-106 (Approx.370 days)         ND           Mn-54 (Approx. 310 days)         ND           Sb-125 (Approx. 3 years)         ND           Sb-125 (Approx. 3 years)         ND           Sb-125 (Approx. 12 years)         45,000           Sr-90(Approx. 29 years)         140           F-90(Approx. 29 years)         140           Sr-90(Approx. 29 years)         140           Sr-90(Approx. 29 years)         140           Sr-90(Approx. 29 years)         140           Co-60 (Approx. 30 years)         110           Mn-54 (Approx. 310 days)         ND           Mn-54 (Approx. 310 days)         12           Co-60 (Approx. 3 years)         1.3           Sb-125 (Approx. 3 years)         1.3           Sb-125 (Approx. 3 years)         1.3           Sb-125 (Approx. 3 years)         1.3           Sb-126 (Approx. 12 years)         33,000           Sr-90(Approx. 12 years)         20,000           H-3 (Approx. 12 years)         20,000           H-3 (Approx. 12 years)         30,000           Sr-90(Approx. 29 years)         20,000           H-3 (Appro	Sx-137 (Approx.30 years)         78         <5/25>           Ru-106 (Approx. 370 days)         ND           Mn-54 (Approx. 310 days)         ND           Sb-125 (Approx. 3 years)         ND           Gross β         300         [8/29]           Sb-125 (Approx. 3 years)         ND           France         Gross β         300           Sr-90(Approx. 12 years)         140         [8/29]           Sr-90(Approx. 29 years)         140         [8/29]           Sr-90(Approx. 29 years)         140         [8/29]           Sr-90(Approx. 29 years)         140         [8/8]           V         Groundwater observation hole No.1-8           St-137 (Approx.30 years)         110         (11/25)           Ru-106 (Approx. 370 days)         ND         Mn-54 (Approx. 310 days)         12         <2/3>           Sb-125 (Approx. 3 years)         1.3         <2/3>         Sb-125 (Approx. 3 years)         ND           Gross β         59,000         <2/3>         Sr-90(Approx. 12 years)         33,000         <6/2>           Sr-90(Approx. 12 years)         33,000         <6/2>         Sr-90(Approx. 29 years)         20,000         <2/3>           Sr-90(Approx. 29 years)         20,000         <2/3>         S	observation hole No. 0-1         observation No.           Cs-134 (Approx. 2 years)         29         <5/25>         ND           2s-137 (Approx.30 years)         78         <5/25>         ND           Ru-106 (Approx. 370 days)         ND         ND         ND           Mn-54 (Approx. 310 days)         ND         ND         ND           Sb-125 (Approx. 3 years)         ND         ND         ND           Sb-125 (Approx. 12 years)         45,000         (8/29)         18,000           St-90(Approx. 29 years)         140         (8/8)         7.9           V         Gross β         140         (8/8)         7.9           St-90(Approx. 29 years)         140         (8/8)         7.9           St-90(Approx. 29 years)         140         (8/8)         7.9           St-90(Approx. 30 years)         110         (11/25)         380           St-134 (Approx. 2 years)         13         <2/3>         ND           Mn-54 (Approx. 310 days)         12         <2/3>         ND           Mn-54 (Approx. 310 days)         13         <2/3>         ND           Sb-125 (Approx. 3 years)         ND         ND         ND           Mn-54 (Approx. 12 years)         33,000	observation hole No.0-1         observation hole No.0-1-1           S=134 (Approx. 2 years)         29         <5/25>         ND           Ru-106 (Approx. 370 days)         ND         ND         ND           Mn-54 (Approx. 310 days)         ND         ND         ND           Mn-54 (Approx. 310 days)         ND         ND         ND           Sb-125 (Approx. 3 years)         ND         ND         ND           Sb-125 (Approx. 2 years)         140         (8/8)         7.9         (12/7)           Sr-90(Approx. 2 years)         110         (11/25)         380         (9/3)           Sa-134 (Approx. 30 years)         110         (11/25)         380         (9/3)           Sb-125 (Approx. 3 years)         ND         ND         ND           Mn-54 (Approx. 3 years)         ND         ND         ND           Gross β         5		observation hole No.0-1         observation hole No.0-1-1         observation hole No.0-1-2         observation hole No.0-1-2           2s-134 (Approx. 2 years)         29         <5/25>         ND         0.61         <3/2>           Ru-106 (Approx. 30 years)         78         <5/25>         ND         ND         ND           Mn-54 (Approx. 30 days)         ND         ND         ND         ND           Mn-54 (Approx. 310 days)         ND         ND         ND         ND           Sb-125 (Approx. 3 years)         ND         ND         ND         ND           Sb-125 (Approx. 3 years)         ND         ND         ND         ND           Groundwater observation hole No.1-8         Groundwater observation hole No.1-9         Groundwater observation hole No.1-10         Groundwater observation hole No.2-5         Groundwater observation hole No.2-5         Groundwater observat	observation hole No.0-1         observation hole No.0-1-2         observation hole No.0         ND         ND         ND         ND           Mn-54 (Approx. 310 days)         ND         N		observation hole No.0-1         observation hole No.0-1-2         observation hole No.0-1-2         observation hole No.0-1         observation No.0-1           2s-137 (Approx.370 days)         ND         ND         ND         ND         ND         ND         ND           Mn-54 (Approx.370 days)         ND         ND         ND         ND         ND         ND         ND           Mn-54 (Approx.370 days)         ND         ND         ND         ND         ND         ND         ND           Mn-54 (Approx.310 days)         ND         ND         ND         ND         ND         ND         ND           Groundwater observation hole         Size (Approx.12 years)         45.000         (8/29)         18.000         (12/7)         74.000         [12/15]         6.800         <2/16>         ND           Size (Approx.3 years)         140         (8/8)         7.9         (12/7)         2.6         (11/10)         0.73         (9/2)         1.5           Size (Approx.3 years)         140         (8/8)         7.9         (12/7)         (2/6)<	observation hole No.0-1         observation hole No.0-1         observation hole No.0-2         observation hole No.0-2         observation hole No.0-3-1         observation hole No.0-3-1           2s-134 (Approx. 2) years)         2g         4525         ND         1.5         -3/2         2.2         <1/12		beservation hole         observation hole         N         <		beservation hole           brd         300         ND         ND	Image: martial martea martial martial martial martial martial martial			between to be beside in the base of the b		<form>          b</form>		<table-container>Image: balanceobservationobserv</table-container>	betw bet		<	<form></form>	

Since some samples are still under analysis, the highest dose of the Strontium-90 is among those previously announced. \*1 Analysis result of pumped water. \*2 The results are for a reference, since the water was highly turbid. ( $\gamma$  and Gross  $\beta$  were measured after filtration.)

\* "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)

		side of Unit 5,6 rge channel		ont of Unit 6 ake channel		t of shallow quay	water inta (north s	ide of Unit 1-4 ake channel ide of East all Break)	discharge front of in	ont of Unit 1 e channel (in npermeable vall)	intake char and Unit	en the water nnel of Unit 1 2 (surface yer)	intake char	en the water inel of Unit 1 (lower layer)	discharge front of im	nt of Unit 2 channel (in permeable rall)	intake char	en the water nnel of Unit 2 Unit 3	intake char	en the water nnel of Unit 3 Unit 4		4 Screen e Silt Fence)	4 water int (In front of	side of Unit 1- ake channel impermeable rall)
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]	4.7	<6/9>	52	[12/21]	37	<5/12>	62	[9/16]	15	<4/14> <5/19>
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]	14	<6/2>	110	[10/11] [12/21]	98	<5/12>	140	[9/16]	45	<5/19>
Gross β	17	<1/6>	46	[8/19]	40	[7/3]	320	[8/12]	140	<5/5>	1,900	<5/20>	1,500	<6/10>	100	<6/2>	1,000	<6/2>	660	<6/9>	410	<6/9>	380	<3/10>
H-3 (Approx. 12 years)	8.7	<5/12>	24	[8/19]	340	[6/26]	510	[9/2]	220	<5/5>	4,200	<5/27>	3,200	<6/3>	230	<6/2>	2,600	<6/2>	1,600	<5/26>	770	<4/14>	540	<4/14>
Sr-90 (Approx. 29 years)	4.7	[6/26]	-		7.2	[6/26]	220	[8/19]	-		480	[8/22]	290	[10/20]	-		340	[10/14]	190	[9/23]	140	[6/21]	-	

		d the south e channel	1F, Por	rt entrance	1F, East si	de in the port	1F, West s	ide in the port	1F, North s	ide in the port	1F, South s	side in the port		of the north kwater		side of the ntrance		of the south water	Southeast north bro	side of the eakwater		of the south kwater
Cs-134(Approx. 2 years)	1.8	<6/9>	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)	4.9	<6/9>	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	16	<6/9>	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)	5.6	<5/19>	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]	1.8	<5/29>	2.8	<4/23>
Sr-90 (Approx. 29 years)	0.29	[6/26]	49	[8/19]	-		-		-		-		-		-		-		-		-	

\* 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.

\* "ND" indicates that the measurement result is below the detection limit.

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

\* "-" indicates that the measurement was out of range.

ce] Standard values				Uni
	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

Unit: Bq/L

Unit: Bq/L