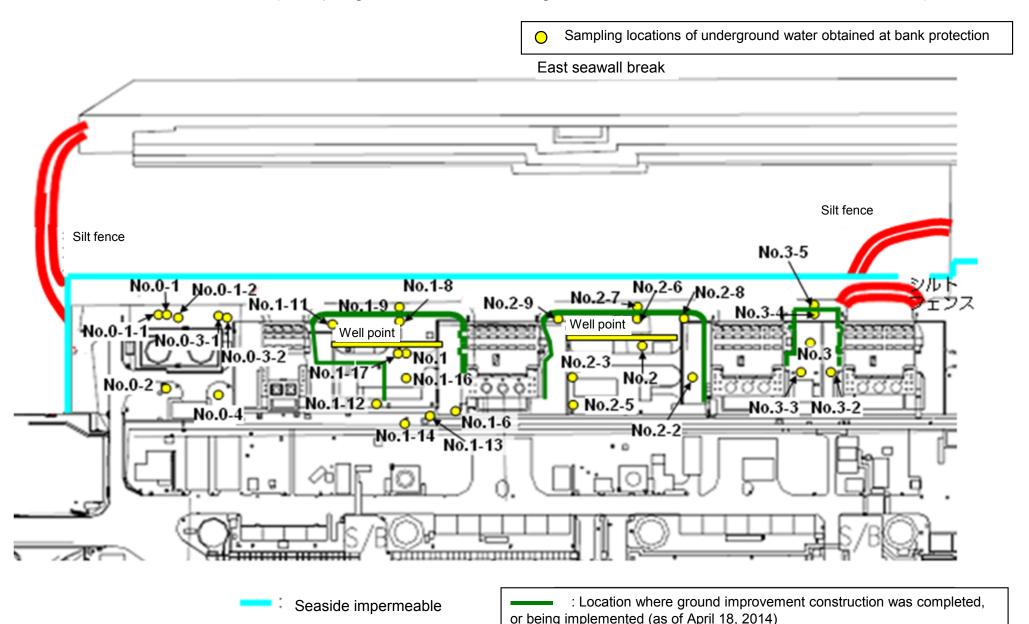
Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (Sampling Locations of Underground Water Obtained at Bank Protection)



## Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (1/3) Underground Water Obtained at Bank Protection

Unit: Bq/L (exclude chloride)

															Unit. bq/	L (exclude chion
		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	Undergroun water observa hole No.1-1
	Date of sampling	Aug 3, 2014	41,854	Aug 3, 2014	Aug 3, 2014	Aug 4, 2014	Aug 3, 2014	Aug 4, 2014	Aug 4, 2014	Aug 4, 2014	Aug 5, 2014	Aug 4, 2014	Aug 4, 2014	Aug 4, 2014	Aug 4, 2014	Aug 4, 201
	Time of sampling	11:52 AM	11:06 AM	10:32 AM	10:50 AM	9:30 AM	9:57 AM	9:46 AM	10:21 AM	10:22 AM	6:08 AM	9:26 AM	9:44 AM	9:56 AM	10:08 AM	9:09 AM
	Chloride (unit: ppm)	-	-	-	-	-	-	-	-	-	30	-	-	-	-	-
С	s-134 (Approx. 2 years)	22	ND(0.38)	ND(0.39)	ND(0.44)	ND(0.36)	ND(0.39)	ND(0.61)	11,000	9.2	3.4	0.53	9.1	35	ND(1.4)	ND(0.93)
Cs	s-137 (Approx.30 years)	65	ND(0.45)	ND(0.44)	0.77	ND(0.44)	ND(0.46)	ND(0.48)	32,000	26	12	1.3	28	110	3.9	0.70
	Mn-54 (Approx. 310 days)	ND	ND	ND	ND	ND	ND	ND	140	ND	ND	ND	ND	ND	1.7	ND
The	Co-60 (Approx. 5 years)	ND	ND	ND	ND	ND	ND	ND	640	ND	ND	ND	ND	ND	ND	0.40
other y	Sb-125 (Approx. 3 years)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.9	ND
	Gross β	180	ND(18)	ND(18)	ND(18)	ND(18)	ND(18)	140	1,200,000	15,000	24	240	300	14,000	560,000	190,000
ŀ	H-3 (Approx. 12 years)	2,900	5,200	590	ND(110)	18,000	510	150,000	7,200	12,000	ND(110)	6,000	15,000	5,500	5,400	11,000
Sı	r-90 (Approx. 29 years)	-	-	-	-	-	-	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analys
		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	Aug 4, 2014		1	1	1	Aug 5, 2014		1 /	1	1 /	1 /	1 /	1	1	
		1					1					I 7				l

		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	Aug 4, 2014	/	/	1 /	/	Aug 5, 2014	/	/	1	1 /	/	1 /	/	/
	Time of sampling	10:00 AM					9:53 AM			/					
	Chloride (unit: ppm)	-					-								
C	s-134 (Approx. 2 years)	3.4					0.89								
С	s-137 (Approx.30 years)	12					2.0								
	Mn-54 (Approx. 310 days)	4.6					ND								
The	Co-60 (Approx. 5 years)	ND					ND								
other y	Sb-125 (Approx. 3 years)	ND					ND								
	Gross β	340,000					1,700								
	H-3 (Approx. 12 years)	51,000		/			910	/	/						
S	r-90 (Approx. 29 years)	-	/			/	-		/					/	

<sup>\*</sup> Data announced this time is provided in a thick-frame. The other data was announced on August 4, 5, and 6.

<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> The results obtained in the observation hole No.0-1 are for a reference, since the water was highly turbid. (y and Gross β will be measured after filtration. If filtration takes a long time, y 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)

															Offic. Dq/	L (exclude chilohidi
		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		/	/	/	Aug 7, 2014	/	Aug 7, 2014	Aug 7, 2014		Aug 7, 2014	Aug 7, 2014	Aug 7, 2014	Aug 7, 2014	Aug 7, 2014	Aug 7, 2014
	Time of sampling					9:30 AM		11:06 AM	10:31 AM		7:10 AM	10:44 AM	9:23 AM	10:02 AM	9:40 AM	10:26 AM
	Chloride (unit: ppm)					-		-	-		31	-	-	-	-	-
С	s-134 (Approx. 2 years)					ND(0.40)		0.49	11,000		2.9	0.53	4.6	24	1.7	ND(0.62)
С	s-137 (Approx.30 years)					0.74		1.3	30,000		7.1	1.5	15	71	5.2	ND(0.78)
	Mn-54 (Approx. 310 days)					ND		ND	130		ND	ND	ND	1.1*1	0.8	ND
The	Co-60 (Approx. 5 years)					ND		ND	630		ND	ND	ND	ND	ND	ND
ther γ	Ru-106 (Approx. 370 days)					ND		5.2	ND		ND	ND	ND	ND	ND	ND
	Sb-125 (Approx. 3 years)					ND		ND	ND		ND	ND	ND	ND	4.9	ND
	Gross β					ND(17)		110	1,200,000		ND(17)	170	140	11,000	690,000	240,000 <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	-90 (Approx. 29 years)				/	-	/	-	-		-	-	-	-	-	-
		Groundwater 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	Groundwater pumped up from the well point	Underground water observation	Underground water observation	Underground water observation	Underground water observation	Underground water observation	

		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	/	/	1	1	Aug 7, 2014	Aug 7, 2014	/	/	1	1 /	/	/	/	
	Time of sampling					8:55 AM	8:56 AM			/					
	Chloride (unit: ppm)					-	-								
С	s-134 (Approx. 2 years)					- *2	ND(0.34)								
C	s-137 (Approx.30 years)					- *2	0.65								
	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)					- *2	ND								
	Gross β					19,000	2,000								
ı	H-3 (Approx. 12 years)	/				Under analysis	Under analysis			1/			/		
S	r-90 (Approx. 29 years)	/	/	/	/	-	-	/		/	/		/	/	

<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.

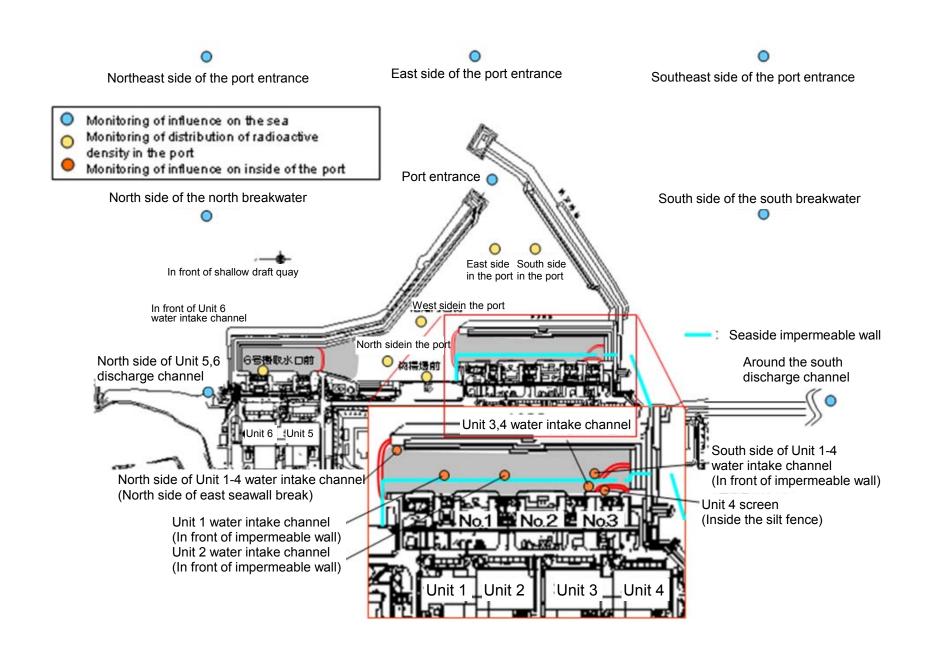
<sup>\* &</sup>quot;-" indicates that the measurement was out of range.

<sup>\*</sup> The results obtained in the observation hole No.1-14 and 2-5 are for a reference, since the water was highly turbid. (As for the sample obtained in No.1-14, y and Gross \$\beta\$ was measured after filtration. As for the sample obtained in No.2-5, Gross \$\beta\$ was measured for a reference.)

<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>\*2</sup> Cs-134: 1,100Bq/L, Cs-137: 3,200Bq/L, Sb-125: 52Bq/L (Since water was highly turbid and it takes long time to filtrate, undiluted liquid was measured as a reference.)

# 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

Unit: Bg/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)	Unit 1 discharge channel (in front		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)	south discharge channel	Specified	drinking- water
Date of Sampling	Aug 4, 2014	Aug 4, 2014	Aug 4, 2014	Aug 4, 2014	Aug 4, 2014	Aug 4, 2014	Aug 4, 2014	Aug 4, 2014	Aug 4, 2014	Aug 4, 2014		
Time of sampling	6:40 AM	7:11 AM	7:45 AM	6:50 AM	7:39 AM	7:38 AM	7:32 AM	7:30 AM	7:34 AM	5:45 AM		
Cs-134(Approx. 2 years)	ND(0.76)	ND(3.3)	ND(3.8)	4.4	5.9	6.7	16	17	13	ND(0.62)	60	10
Cs-137(Approx.30 years)	1.3	ND(1.9)	3.3	16.0	18	20	50	51	35	ND(0.78)	90	10
Gross β	12	ND(18)	19	86	92	130	500	490	260	16		
H-3 (Approx. 12 years)	2.1	ND(3.6)	2.0	170	160	320 <sup>*1</sup>	1,700	1,800	810 <sup>*1</sup>	ND(1.9)	60,000	10,000
Sr-90 (Approx. 29 years)	Under analysis	-	Under analysis	Under analysis	-	-	Under analysis	Under analysis	-	Under analysis	30	10

Unit: Bq/L

	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												
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 August 5.

<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')

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

nit		

|                           | observa   | tion hole  | observa  | tion hole  | observa  | tion hole   | observa  | tion hole  | observa  | tion hole   | observa   
   
   
   
   | tion hole   | observat  | ion hole  | observat  | ion hole  | observa   
   | tion hole   | observat  | ion hole  | observa   | tion hole   
   | observa   | ition hole  | observat  | ion hole  | Ground<br>observati<br>No.  
   | tion hole   |
|---------------------------|---|--|--|--|--|---|--|--|--|---
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---|---|---|---|---
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---	---	---	---
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Cs-134 (Approx. 2 years)	29	<5/25>	ND
   
   
   
   | <1/14>  | 0.70  | <6/29>  | 13  | [8/29]  | 1.9   
   | [7/8]   | 11,000  | [7/9]   | 10  | [9/2]   
   | 1.5   | [7/8]   | 310   | [8/5]   | 11,000  
   | <8/4>   |
| 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>  | 1.6   | <6/29>  | 31  | [8/29]  | 3.6   
   | [7/8]   | 22,000  | [7/9]   | 24  | [9/2]   
   | 3.6   | [7/8]   | 650   | [8/5]   | 32,000  
   | <8/4>   |
| 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)<br>(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><br><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   | (7/12)<br>(8/26)  
   | ND  |   | 12  | [8/8]   | 34  
   | <5/19>  |
| Gross β                   | 300   | [8/29]<br><5/18>   | 21   | [12/7]   | 24   | <6/22>  | 87   | [10/13]  | ND   |   | 67*1  
   
   
   
   | [12/11]   | 44  | <6/22>  | 1,900   | [5/24]  | 4,400   
   | [7/8]   | 9,300,000   | [7/8]   | 160,000   | (8/12)<br>(8/15)  
   | 380   | [8/19]  | 56,000  | [8/5]   | 1,200,000   
   | <7/21><br><8/4>   |
| H-3 (Approx. 12 years)    | 45,000  | [8/29]   | 18,000   | (12/7)   | 74,000   | [12/15]<br><1/19>   | 6,800  | <2/16>   | ND   |   | 76,000  
   
   
   
   | <2/6>   | 56,000  | <2/23>  | 500,000   | (5/24)<br>(6/7)   | 630,000   
   | [7/8]   | 430,000   | [9/16]  | 290,000   | (7/12)  
   | 98,000  | (7/11)  | 72,000  | (8/15)  | *2<br>110,000   
   | <2/6>   |
| 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]  | 590,000   
   | <2/13>  |
|                           | -   |  | -  |  | •  |   | -  |  |  |   | •   
   
   
   
   |   |   |   | •   |   | •   
   |   |   |   | •   |   
   | •   |   |   |   |   
   | Unit: Bq/   |
|                           | Mn-54 (Approx. 310 days) Y Co-60 (Approx. 5 years) Sb-125 (Approx. 3 years) | observa No Cs-134 (Approx. 2 years) 29 29 2s-137 (Approx. 30 years) 78 Ru-106 (Approx. 370 days) ND Mn-54 (Approx. 310 days) ND Co-60 (Approx. 5 years) ND Sb-125 (Approx. 3 years) ND Gross β 300 H-3 (Approx. 12 years) 45,000 | Cs-137 (Approx.30 years) 78 <5/25>  Ru-106 (Approx. 370 days) ND  Mn-54 (Approx. 310 days) ND  Co-60 (Approx. 5 years) ND  Sb-125 (Approx. 3 years) ND  Gross β 300 [8/29]  H-3 (Approx. 12 years) 45,000 [8/29] | Observation hole No.0-1         observation hole No.0-1         observation hole No.0-1           Cs-134 (Approx. 2 years)         29         <5/25>         ND           Cs-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. 5 years)         ND         ND         ND           Gross β         300         [8/29] (5/18)         21           H-3 (Approx. 12 years)         45,000         [8/29] 18,000         18,000 | Observation hole   No.0-1   Observation hole   No.0-1   No.0-1 | Observation hole No.0-1         observation hole No.0-1-1         obs | observation hole<br>No.0-1         observation hole<br>No.0-1-1         observation hole<br>No.0-1-2         observation hole<br>No.0-1-2           Cs-134 (Approx. 2 years)         29         <5/25>         ND         0.61         <3/2>           Cs-137 (Approx. 30 years)         78         <5/25>         ND         1.5         <3/2>           Ru-106 (Approx. 370 days)         ND         ND         ND         ND           Mn-54 (Approx. 310 days)         ND         ND         ND           Sb-125 (Approx. 5 years)         ND         ND         ND           Sb-125 (Approx. 3 years)         ND         ND         ND           Gross β         300         [8/29] (5/18>         21         [12/7]         24         <6/22>           H-3 (Approx. 12 years)         45,000         [8/29]         18,000         [12/7]         74,000         [12/15] (1/19> | Observation hole No.0-1         observation hole No.0-1-1         observation hole No.0-1-2         no.0-1-1-2         observation hole No.0-1-2         no.0-1-2         no.0-1-2         no.0-1-2< | observation hole<br>No.0-1         observation hole<br>No.0-1-1         observation hole<br>No.0-1-2         observation hole<br>No.0-1-2         observation hole<br>No.0-1-2           CS-134 (Approx. 2 years)         29         <5/25>         ND         0.61         <3/2>         0.61         [10/13]           CS-137 (Approx. 30 years)         78         <5/25>         ND         1.5         <3/2>         2.2         <1/12>           Ru-106 (Approx. 370 days)         ND         ND         ND         ND         ND           Mn-54 (Approx. 310 days)         ND         ND         ND         ND         ND           Sb-125 (Approx. 5 years)         ND         ND         ND         ND         ND           Gross β         300         [8/29]         21         [12/7]         24         <6/22>         87         [10/13]           H-3 (Approx. 12 years)         45,000         [8/29]         18,000         [12/7]         74,000         [12/15]         6,800         <2/16> | Observation hole No.0-1         observation hole No.0-1-1         observation hole No.0-1-2         observation hole No.0-2         observation hole No.0-1-2         observation hole No.0-10-1-2         observation hole No.0-10-1-2         observation hole No.0-10-1-2         observation hole No.0-10-10-10-10-10-10-10-10-10-10-10-10-10 | Observation hole No.0-1         observation hole No.0-1-1         observation hole No.0-1-2         observation hole No.0-2         observation hole No.0-3-1           CS-134 (Approx. 2 years)         29         <5/25>         ND         0.61         <3/2>         0.61         [10/13]         0.64         <4/6>           CS-137 (Approx. 30 years)         78         <5/25>         ND         1.5         <3/2>         2.2         <1/12>         1.1         <4/6>           Ru-106 (Approx. 370 days)         ND         ND         ND         ND         ND         ND         ND           Mn-54 (Approx. 310 days)         ND         ND         ND         ND         ND         ND         ND         ND           Sb-125 (Approx. 5 years)         ND         ND <td>  Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-2   Observation hole No.0-3-1   Obs</td> <td>  Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-2-2   Observation hole No.0-3-1   Observation hole No.0-3-2    </td> <td>Observation hole No.0-1         observation hole No.0-1-1         observation hole No.0-1-2         observation hole No.0-2         observation hole No.0-3-1         observation hole No.0-3-1         observation hole No.0-3-1         observation hole No.0-3-1         observation hole No.0-3-2         observation hole No.0-3-1         observation hole No.0-3-2         obser</td> <td>  Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-3-1   Observation hole No.0-3-1   Observation hole No.0-3-1   Observation hole No.0-3-1   Observation hole No.0-3-2   Observation hole No.0-3-1   Observation hole No.0-3-2   O</td> <td>  Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-2   Observation hole No.0-3-1   Observation hole No.0-3-2   Obs</td> <td>  Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-2   Observation hole No.0-3-1   Observation hole No.0-3-2   Obs</td> <td>  Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-2   Observation hole No.0-3-1   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-4   Observation hole No.0-3-2   Obser</td> <td>  Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-2   Observation hole No.0-3-1   Observation hole No.0-3-2   Observation hole No.0-4   Observation hole No.1-1   Observation hole No.1-1   Observation hole No.0-3-2   Observati</td> <td>  Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-2   Observation hole No.0-3-1   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-4   Observation hole No.0-1   Observation hole No.0-1   Observation hole No.0-1   Observation hole No.0-3-2   Observation hole No.0-4   Observation hole No.0-1   Observation hole No.0-1   Observation hole No.0-1   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-4   Observa</td> <td>  Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-1-2   Observation hole No.0-2-1   Observation hole No.0-3-2   Observation hole No.0-3-2  </td> <td>  Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-2   Observation hole No.0-3-2   Observation hole No.1-2   Observation hole No</td> <td>  Observation hole No.0-1   Observation hole No.0-1-2   Observation hole No.0-1-2   Observation hole No.0-1-2   Observation hole No.0-3-1   Observation hole No.0-3-2   Observation hole No.1-2   Observation hole No.1-2   Observation hole No.1-3   Observation hole No.1-3   Observation hole No.1-3   Observation hole No.1-3   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.1-3   Observation hole No.1-4   Obser</td> <td>  Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-3-1   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-4   Observation hole No.1-1   Observation hole No.1-2   Observation hole No.1-2   Observation hole No.1-2   Observation hole No.1-2   Observation hole No.1-3   Observation hole No.1-4   O</td> <td>  Observation hole No.0-1   Observation hole No.0-1   Observation hole No.0-1   Observation hole No.0-1   Observation hole No.0-2   Observation hole No.0-3-1   Observation hole No.0-1   Observation hole No.1-1   Observation hole No.1-2   Observation hole No.1-2   Observation hole No.1-2   Observation hole No.1-3   Observation hole No.1-4   Obser</td> <td>  Observation hole No.0-1   Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-3-1   Observation hole No.0-3-1   Observation hole No.0-3-2   Obs</td> <td>  Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-1-2   Observation hole No.0-3-1   Observation hole No.0-1-2   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-1-3   O</td> <td>  Observation hole   Observation hole   No.D-1   Observation hole   No.D-1   Observation hole   No.D-2   Observation hole   No.D-1   Observat</td> | Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-2   Observation hole No.0-3-1   Obs | Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-2-2   Observation hole No.0-3-1   Observation hole No.0-3-2 | Observation hole No.0-1         observation hole No.0-1-1         observation hole No.0-1-2         observation hole No.0-2         observation hole No.0-3-1         observation hole No.0-3-1         observation hole No.0-3-1         observation hole No.0-3-1         observation hole No.0-3-2         observation hole No.0-3-1         observation hole No.0-3-2         obser | Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-3-1   Observation hole No.0-3-1   Observation hole No.0-3-1   Observation hole No.0-3-1   Observation hole No.0-3-2   Observation hole No.0-3-1   Observation hole No.0-3-2   O | Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-2   Observation hole No.0-3-1   Observation hole No.0-3-2   Obs | Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-2   Observation hole No.0-3-1   Observation hole No.0-3-2   Obs | Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-2   Observation hole No.0-3-1   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-4   Observation hole No.0-3-2   Obser | Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-2   Observation hole No.0-3-1   Observation hole No.0-3-2   Observation hole No.0-4   Observation hole No.1-1   Observation hole No.1-1   Observation hole No.0-3-2   Observati | Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-2   Observation hole No.0-3-1   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-4   Observation hole No.0-1   Observation hole No.0-1   Observation hole No.0-1   Observation hole No.0-3-2   Observation hole No.0-4   Observation hole No.0-1   Observation hole No.0-1   Observation hole No.0-1   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-4   Observa | Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-1-2   Observation hole No.0-2-1   Observation hole No.0-3-2   Observation hole No.0-3-2 | Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-2   Observation hole No.0-3-2   Observation hole No.1-2   Observation hole No | Observation hole No.0-1   Observation hole No.0-1-2   Observation hole No.0-1-2   Observation hole No.0-1-2   Observation hole No.0-3-1   Observation hole No.0-3-2   Observation hole No.1-2   Observation hole No.1-2   Observation hole No.1-3   Observation hole No.1-3   Observation hole No.1-3   Observation hole No.1-3   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.1-3   Observation hole No.1-4   Obser | Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-3-1   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-4   Observation hole No.1-1   Observation hole No.1-2   Observation hole No.1-2   Observation hole No.1-2   Observation hole No.1-2   Observation hole No.1-3   Observation hole No.1-4   O | Observation hole No.0-1   Observation hole No.0-1   Observation hole No.0-1   Observation hole No.0-1   Observation hole No.0-2   Observation hole No.0-3-1   Observation hole No.0-1   Observation hole No.1-1   Observation hole No.1-2   Observation hole No.1-2   Observation hole No.1-2   Observation hole No.1-3   Observation hole No.1-4   Obser | Observation hole No.0-1   Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-3-1   Observation hole No.0-3-1   Observation hole No.0-3-2   Obs | Observation hole No.0-1   Observation hole No.0-1-1   Observation hole No.0-1-2   Observation hole No.0-1-2   Observation hole No.0-3-1   Observation hole No.0-1-2   Observation hole No.0-3-2   Observation hole No.0-3-2   Observation hole No.0-1-3   O | Observation hole   Observation hole   No.D-1   Observation hole   No.D-1   Observation hole   No.D-2   Observation hole   No.D-1   Observat |

		Groundwater observation hole No.1-8	Groundwater observation hole No.1-9	Groundwater observation hole No.1-10	Groundwater observation hole No.1-11	Groundwater observation hole No.1-12	Groundwater observation hole No.1-13	Groundwater observation hole No.1-14	Groundwater observation hole No.1-15	Groundwater observation hole No.1-16	Groundwater observation hole No.1-17	Groundwater pumped up from the well point (between Unit 1 and 2)	Groundwater observation hole No.2	Groundwater observation hole No.2-1*	Groundwater observation hole No.2-2
С	s-134 (Approx. 2 years)	47 [11/25	170 [9/3]	-	1.1 <1/13>	74 [10/21]	37,000 <2/13>	88 <sup>*2</sup> <2/27>	ND *1	30 <7/28>	1.4 <7/7>	110 [9/23]	0.88 <2/26>	0.66 [9/1]	15 <2/12>
С	s-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>	0.88 <7/10>	86 <7/28>	2.8 <4/28>	250 (9/23)	2.5 <2/26>	1.1 (8/29) (9/1)	38 <2/12>
	Ru-106 (Approx. 370 days)	ND	ND	=	ND	5.4 [10/28]	ND	ND	ND	9.2 [10/28]	5.5 <4/21> <5/1>	25 [9/2]	ND	ND	ND
The	Mn-54 (Approx. 310 days)	12 <2/3>	ND	=	ND	ND	ND	0.84 <7/28>	ND	1.7 <8/4>	ND	8.5 <4/28>	ND	ND	ND
other y	Co-60 (Approx. 5 years)	1.3 <2/3>	ND	=	ND	0.51 [10/24]	ND	0.44 <5/29>	ND	0.9 [11/7]	0.61 [11/25]	0.61 <6/9>	ND	ND	ND
	Sb-125 (Approx. 3 years)	ND	ND	Ξ	ND	61 (10/21)	ND	ND	ND	24 <6/16>	2.1 [11/25]	ND	ND	ND	ND
	Gross β	59,000 <2/3>	2,100*2 [11/17]	78 *2 <1/27>	2,300 [12/26]	1,100 <5/5>	260,000 <2/12> <2/13>	14,000 <8/4>	110 <7/10>	<1/20> 3,100,000 <1/30> <2/3>	190,000 <8/4>	1,900,000 [9/23]	1,700 [7/8]	380 [7/29]	600 <4/16>
	H-3 (Approx. 12 years)	33,000 <6/2>	860 *2 [11/14]	270,000 <1/27>	85,000 [9/13]	440,000 [10/31]	88,000 <2/12>	23,000 <2/13>	74,000 <7/10>	43,000 [9/26]	32,000 <1/20>	460,000 [8/19]	1,000 <2/23>	440 [8/26]	660 <1/8>
8	r-90(Approx. 29 years)	35,000 <2/17>	300 [10/3]	-	22 <1/9>	290 [10/21]	160,000 <2/12>	770 <3/10>	Under analysis	2,700,000 <2/13>	620 <3/10>	-	54 [5/31]	5.9 (7/25)	320 [12/25]

																											Unit: Bq/L
		observa	ndwater ation hole 5.2-3	observa	dwater tion hole .2-5	observa	dwater tion hole .2-6	observa	ndwater ation hole .2-7	observa	dwater tion hole .2-8	observa	ndwater ation hole a.2-9		up from	observa	ndwater ation hole o.3		dwater tion hole 3-1	observa	idwater ition hole .3-2	observa	dwater ition hole .3-3	observa	ndwater ation hole i.3-4	observa	idwater ition hole .3-5
	Cs-134 (Approx. 2 years)	2.2	<2/26>	41	<5/7>	17	<3/11>	3.5	<2/23>	1.3	<7/20>	ND		2.0	<4/23>	3.5	[7/25]	1.2	(7/25) (8/8)	22	<8/6>	180	<7/2>	5.1	<7/23>	100	<7/30>
	Cs-137 (Approx.30 years)	5.5	<2/26>	110	<5/7>	50	<3/11>	9.0	<2/23>	3.4 *2	<7/20>	0.58	<2/11>	4.7	<4/23>	5.9	[8/8]	2.6	[8/1]	63	<8/6>	500	<7/2>	14	<7/23>	310	<7/30>
	Ru-106 (Approx. 370 days	) ND		ND		ND		ND		ND *2	2	6.5	<2/11>	ND		ND		ND		ND		ND		ND		-	
Th	Mn-54 (Approx. 310 days	0.29	[12/6]	0.95	<6/4>	ND		ND		ND		ND		ND		ND		ND		ND		ND		0.54	[10/30]	-	
othe	Co-60 (Approx. 5 years)	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		-	
	Sb-125 (Approx. 3 years)	ND		74	<5/7>	ND		ND		ND		ND		ND		1.6	<1/1>	ND		ND		ND		ND		-	
	Gross β	1,500	[12/6] <1/8>	150,000	<2/12>	3,200	[12/5]	1,300	<6/20>	5,800 *2	<7/23>	1,700	<2/7>	240,000	[12/12]	1,400	[7/11]	180	[8/1]	3,000	<7/23> <8/6>	8900	<7/2>	35	<7/23>	510	<7/16>
	H-3 (Approx. 12 years)	1,700	[12/6]	7,900	<4/9>	1,200	[11/24] [11/27]	1,100	<1/19>	1,700*2	<4/6> <8/6>	13,000	<2/7> <2/11>	7,500	<7/30>	3,200	(2012 12/12)	460	[8/1]	3,700	<7/9>	8,000	<5/7>	170	[9/18]	170	<1/8>
	Sr-90(Approx. 29 years)	1,200	[12/6]	Under analysis	•	Under analysis		ND(1.4)	[11/21]	3,900	<3/30>	1,200	<2/11>	-	•	8.3	(2012 12/12)	4.4	[7/23]	Under analysis	•	-		ND		-	

<sup>•</sup> 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

		ide of Unit 5,6 ge channel		ont of Unit 6 ake channel	,	t of shallow quay	water into	ide of Unit 1-4 ake channel ide of East all Break)	discharge front of in	ont of Unit 1 e channel (in mpermeable wall)	intake cha and Uni	een the water nnel of Unit 1 t 2 (surface lyer)	intake char	en the water nnel of Unit 1 (lower layer)	discharge front of in	nt of Unit 2 channel (in permeable all)	intake char	en the water nnel of Unit 2 Unit 3	intake chan	en the water inel of Unit 3 Unit 4	1F, Unit (Inside the		4 water int (In front of	side of Unit 1- ake channel impermeable iall)
Cs-134(Approx. 2 years)	1.8	[6/21]	2.8	[12/2]	5.3	[8/5]	32	[10/11]	12	<6/23>	87	[10/10]	93	[10/10]	7.9	<6/23>	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]	27	<6/23>	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> <7/14>	1,900	<5/20>	1,500	<6/10>	140	<6/23>	1,000	<6/2>	660	<6/9>	610	<6/23>	380	<3/10>
H-3 (Approx. 12 years)	8.7	<5/12>	24	[8/19]	340	[6/26]	510	[9/2]	260	<7/14>	4,200	<5/27>	3,900	<6/10>	300	<6/23>	2,600	<6/2>	2,500	<6/23>	2,200	<7/21>	780	<7/21>
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]	-	

Unit: Bq/L

		d the south e channel	1F, Por	t entrance	1F, East si	de in the port	1F, West s	ide in the port	1F, North s	side in the port	1F, South s	side in the port		of the north kwater		side of the ntrance		of the south	Southeast north bre			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> <8/4>	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]	-		_		-		-		-		-		-		-		-	

<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.

[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

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.

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

<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>quot;-" indicates that the measurement was out of range.