

# 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	Mar 23, 2014	41,721	Mar 23, 2014	Mar 23, 2014	Mar 24, 2014	Mar 23, 2014	Mar 24, 2014	Mar 24, 2014	Mar 24, 2014	Mar 25, 2014	Mar 24, 2014	Mar 24, 2014	Mar 24, 2014	Mar 24, 2014
	Time of sampling	11:10 AM	10:27 AM	9:46 AM	10:07 AM	9:30 AM	9:11 AM	10:18 AM	10:27 AM	10:37 AM	7:00 AM	9:57 AM	10:42 AM	9:38 AM	11:04 AM
	Chloride (unit: ppm)	-	-	-	-	-	-	-	-	-	260	-	-	-	-
C	cs-134 (Approx. 2 years)	8.2	ND(0.45)	ND(0.44)	ND(0.37)	ND(0.42)	ND(0.50)	ND(0.44)	5600.00	20	2.5	0.77	2.5	3.6	ND(1.4)
C	s-137 (Approx.30 years)	22	ND(0.57)	ND(0.62)	0.56	1.0	ND(0.58)	1.1	14000.00	53	6.1	2.0	6.6	10	ND(1.1)
	Mn-54 (Approx. 310 days)	ND	ND	ND	ND	0.37	ND	ND	180	3.5	ND	ND	ND	ND	ND
The	Co-60 (Approx. 5 years)	ND	ND	ND	ND	ND	ND	ND	570	ND	ND	ND	ND	ND	ND
other y	Ru-106 (Approx. 370 days)	ND	ND	ND	ND	ND	ND	3.1	ND	ND	ND	ND	ND	ND	ND
	Sb-125 (Approx. 3 years)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.8
	Gross β	150	ND(17)	ND(17)	ND(17)	ND(19)	ND(17)	240	660,000	24,000	110	28	80	860	1,300,000
	H-3 (Approx. 12 years)	17,000	17,000	3,900	ND(100)	61,000	1,700	180,000	14,000	8,200	210	13,000	34,000	12,000	13,000
s	r-90 (Approx. 29 years)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Groundwater								Groundwater				1

		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 24, 2014	Mar 24, 2014	/	/	/	/	Mar 25, 2014	/	/	/	1	1 /	1 /
	Time of sampling	9:42 AM	10:00 AM	/	/	/	/	9:47 AM	/	/	/	/	/	/
	Chloride (unit: ppm)	-	-	/	/	/	/	-	/	/	/		/	/
С	cs-134 (Approx. 2 years)	ND(0.55)	1.7	/	/	/	/	ND(0.43)	/	/	/		/	/
C	s-137 (Approx.30 years)	1.4	3.3	/	/	/	/	ND(0.54)	/	/	/		/	/
	Mn-54 (Approx. 310 days)	ND	3.9	/	/	/	/	ND		/	/		/	/
The	Co-60 (Approx. 5 years)	ND	ND	/	/	/	/	ND		/	/			/
other $\gamma$	Ru-106 (Approx. 370 days)	ND	ND	/	/	/	/	ND			/			
	Sb-125 (Approx. 3 years)	ND	ND					ND						
	Gross β	3,500	250,000					1,900						
I	H-3 (Approx. 12 years)	6,000	92,000	/	/	/	/	970	/	/	/	/	/	/
S	r-90 (Approx. 29 years)	-	-	/	/	/	/	-	V	/	/	/	/	/

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

\* "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.

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

														Unit: Bq/L	_ (exclude chloride)
		Underground water observation hole No.0-1	Underground water observation hole No.0-1-2	Underground water observation hole No.0-2	Underground water observation hole No.0-3-1	Underground water observation hole No.0-3-2	Underground water observation hole No.0-4	Underground water observation hole No.1	Underground water observation hole No.1-6	Underground water observation hole No.1-8	Underground water observation hole No.1-9	Underground water observation hole No.1-11	Underground water observation hole No.1-12	Underground water observation hole No.1-14	Underground water observation hole No.1-16
	Date of sampling	/	/	/	/	Mar 27, 2014	/	Mar 27, 2014	Mar 27, 2014	/	Mar 27, 2014	Mar 27, 2014	Mar 27, 2014	Mar 27, 2014	Mar 27, 2014
	Time of sampling	/	/	/		9:30 AM	/	10:15 AM	10:30 AM	/	7:40 AM	9:57 AM	9:20 AM	9:32 AM	10:55 AM
	Chloride (unit: ppm)	/	/	/	/	-	/	-	-	/	250	-	-	-	-
C	s-134 (Approx. 2 years)	/	/	/		ND(0.46)	/	ND(0.43)	5,900 <sup>*1</sup>	/	7.0	0.45	4.1	4.0	ND(2.4)
С	s-137 (Approx.30 years)	/	/	/		ND(0.53)	/	0.62	15,000 <sup>*1</sup>	/	18	1.6	11	9.2	ND(1.2)
	Mn-54 (Approx. 310 days)			/		ND	/	ND	180	/	ND	ND	ND	ND	ND
The	Co-60 (Approx. 5 years)		/	/		ND	/	ND	640		ND	ND	ND	ND	ND
other y	Ru-106 (Approx. 370 days)	/	/	/		ND		4.7	ND		ND	ND	ND	ND	ND
	Sb-125 (Approx. 3 years)			/		ND		ND	ND		ND	ND	ND	ND	7.5
	Gross β					ND(21)		230	770,000 <sup>*1</sup>		54	37	130	960	1,200,000
	H-3 (Approx. 12 years)	/	/	/	/	Under analysis	/	Under analysis	Under analysis	/	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis
S	r-90 (Approx. 29 years)	/	/	/	/	-	/	-	-	/	-	-	-	-	-

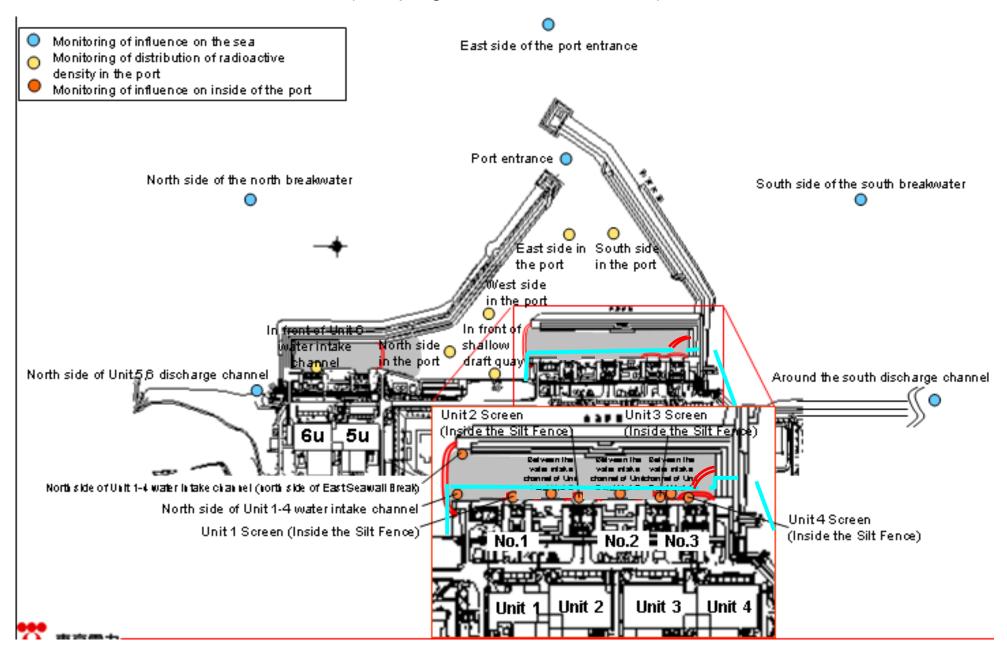
		Underground water observation hole No.1-17	Groundwater pumped up from the well point (between Unit 1 and 2)	Underground water observation hole No.2	Underground water observation hole No.2-2	Underground water observation hole No.2-3	Underground water observation hole No.2-5	Underground water observation hole No.2-6	Underground water observation hole No.2-7	Underground water observation hole No.2-8	Groundwater pumped up from the well point (between Unit 2 and 3)	Underground water observation hole No.3	Underground water observation hole No.3-4	Underground water observation hole No.3-5
	Date of sampling	Mar 27, 2014	/	1 /	/	/	/	Mar 27, 2014	/	/	/	1	/ /	/
	Time of sampling	9:35 AM	/	/	/	/	/	10:41 AM	/	/	/	/	/	/
	Chloride (unit: ppm)	-	/	/	/	/	/	-	/	/	/			/
С	s-134 (Approx. 2 years)	ND(0.55)	/		/	/	/	ND(0.42)	/	/	/		/	
С	s-137 (Approx.30 years)	0.56	/		/	/	/	ND(0.54)	/	/	/	/	/	
	Mn-54 (Approx. 310 days)	ND	/		/	/	/	ND	/	/	/	/	/	
The	Co-60 (Approx. 5 years)	ND	/				/	ND		/	/			
other y	Ru-106 (Approx. 370 days)	ND	/				/	ND		/				
	Sb-125 (Approx. 3 years)	ND					/	ND		/				
	Gross β	3,400						2,000						
	H-3 (Approx. 12 years)	Under analysis	/		/	/	/	Under analysis	/	/	/	/		
	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 (3/4) Seawater

														l	Jnit: Bq/L
	1F, North side of Unit 5,6 discharge channel	1F, In front of Unit 6 water intake channel	1F, In front of shallow draft quay	1F, North side of Unit 1-4 water intake channel	1F, North side of Unit 1-4 water intake channel (north side of East Seawall Break)	1F, Unit 1 Screen	water intake channel of Unit 1	1F, Between the water intake channel of Unit 1 and Unit 2 (lower layer)	1F, Unit 2 Screen	1F, Between the water intake channel of Unit 2 and Unit 3	1F, Unit 3 Screen (Inside the Silt Fence)	1F, Between the water intake channel of Unit 3 and Unit 4	1F, Unit 4 Screen (Inside the Silt Fence)	Specified by the	s for drinking- water
Date of Sampling	Mar 24, 2014	Mar 24, 2014	Mar 24, 2014	/	Mar 24, 2014	Mar 24, 2014	Mar 25, 2014	Mar 25, 2014	Mar 24, 2014	Mar 24, 2014	Mar 24, 2014	Mar 24, 2014	Mar 24, 2014		
Time of sampling	6:25 AM	6:22 AM	6:21 AM		6:52 AM	6:27 AM	6:58 AM	6:58 AM	6:31 AM	6:34 AM	6:37 AM	6:41 AM	6:39 AM		
Cs-134(Approx. 2 years)	ND(0.74)	N D (2.0)	N D(1.8)		8.7	10	9.4	3.4	13	12	12	11	7.3	60	10
Cs-137(Approx.30 years)	ND(0.72)	ND(2.3)	3.3		19	30	33	10	34	30	28	29	22	90	10
Gross β	11	21	ND(17)		88	250	330	67	240	210	170	170	120		
H-3 (Approx. 12 years)	ND(1.7)	ND(3.4)	3.3		170	820	1,000	ND(110)	620	560	470	460	240	60,000	10,000
Sr-90 (Approx. 29 years)	-	-	-	/	-	-	-	-	-	-	-	-	-	30	10

_														L	Unit: Bq/L
	1F, South side of Unit 1-4 water intake channel (In front of impermeable wall)	1F, Around the south discharge channel	1F, Port entrance	1F, East side in the port	1F, West side in the port	1F, North side in the port		North side of the north breakwater	of the nort	East side of the port entrance	Southeast side of the port entrance	South side of the south south breakwater		Density Limit Specified by the Reactor Regulatio n *	drinking-
Date of Sampling	Mar 24, 2014	Mar 24, 2014	/	/		/	/	/	/	/	/	/	/		
Time of sampling	6:42 AM	5:40 AM	/						/				/		
Cs-134(Approx. 2 years)	9.6	ND(0.66)											/	60	10
Cs-137(Approx.30 years)	22	ND(0.60)												90	10
Gross β	130	10											/		
H-3 (Approx. 12 years)	270	ND(1.7)				/	/						/	60,000	10,000
Sr-90 (Approx. 29 years)	-	-	/	/	/	/	/	V	/	V	/	V	/	30	10

\* Data announced this time is provided in a thick-frame. The other data was announced on March 25 and 26.

\* "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/ctb Bq/L]).

### Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (4/4) 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)	water intake	1F, Between the water intake channel of Unit 1 and Unit 2 (lower layer)	1F, Unit 2 Screen	1F, Between the water intake channel of Unit 2 and Unit 3	1F, Unit 3 Screen	1F, Between the water intake channel of Unit 3 and Unit 4	Screen	1F, South side of Unit 1-4 water intake channel (In front of impermeable wall)	Density	s for drinking-
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)					Under analysis	Under analysis							60,000	10,000
Sr-90 (Approx. 29 years)	/	/	/	V	-	-	/	$\bigvee$	$\checkmark$	V	/	$\bigvee$	30	10
													l	Unit: Bq/L
												/	Density	WHO

	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	of the port	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					/		Mar 24, 2014	Mar 24, 2014	Mar 24, 2014	Mar 24, 2014	Mar 24, 2014	/		
Time of sampling		/					10:01 AM	10:07 AM	10:13 AM	10:19 AM	10:26 AM	/		
Cs-134(Approx. 2 years)							ND(0.68)	ND(0.84)	ND(0.76)	ND(0.73)	ND(0.66)	/	60	10
Cs-137(Approx.30 years)							ND(0.71)	ND(0.71)	ND(0.59)	ND(0.72)	ND(0.58)	/	90	10
Gross β							ND(15)	ND(15)	ND(15)	ND(15)	ND(15)	/		
H-3 (Approx. 12 years)							Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	/	60,000	10,000
Sr-90 (Approx. 29 years)	/	/	/	/	/	$\bigvee$	-	-	-	-	-	/	30	10

\* "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/th

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

		Groundwater observation hole No.0-1	Groundwater observation hole No.0-1-1	Groundwater observation hole No.0-1-2	Groundwater observation hole No.0-2	Groundwater observation hole No.0-3-1	Groundwater observation hole No.0-3-2	Groundwater observation hole No.0-4	Groundwater observation hole No.1	Groundwater observation hole No.1-1	Groundwater observation hole No.1-2 <sup>*</sup>	Groundwater observation hole No.1-3°	Groundwater observation hole No.1-4	Unit: Bo Groundwater observation hol No.1-5*
C	Cs-134 (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
С	cs-137 (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 )
	Ru-106 (Approx. 370 days)	ND	ND	ND	ND	ND	ND	ND	26 [ 5/24 ]	7.9 (7/8)	160 [ 8/15 ]	17 <sup>[7/22]</sup> [8/8]	3.1 [8/8]	ND
The	Mn-54 (Approx. 310 days)	ND	ND	ND	ND	ND	0.64 <2/20>	ND	ND	1.0 (7/5)	62 (7/5)	ND	ND	ND
other y	Co-60 (Approx. 5 years)	ND	ND	ND	ND	ND	ND	ND	0.50 [7/19]	ND	3.1 [7/8]	ND	ND	ND
	Sb-125 (Approx. 3 years)	ND	ND	ND	ND	ND	ND	ND	1.7 (7/11)	ND	250 [7/15]	1.4 <sup>(7/12)</sup> (8/26)	ND	12 [ 8/8
	Gross β	300 [ 8/22 ]	21 [ 12/7 ]	21 (11/10)	87 [ 10/13 ]	ND	67 <sup>*1</sup> 〔12/11〕	29 [ 12/29 ]	1,900 [ 5/24 ]	4,400 [ 7/8 ]	900,000 <sup>[7/5]</sup> [7/9]	160,000 <sup>[8/12]</sup> [8/15]	380 [ 8/19 ]	56,000 [ 8/5]
	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 <sup>[5/24]</sup> [6/7]	630,000 [ 7/8 ]	430,000 [ 9/16 ]	290,000 (7/12)	98,000 (7/11)	72,000 ( 8/15
;	Sr-90(Approx. 29 years)	140 [ 8/8 ]	Under analysis	Under analysis	0.73 [9/2]	Under analysis	Under analysis	Under analysis	1,300 [ 8/22 ]	2,300 [6/28]	5,000,000 [7/5]	130,000 [ 8/8 ]	200 [7/8]	5,100 ( 8/22
			<b>1</b>			1	1	T	ſ	1	1		T	Unit: Bo
		Groundwater observation hole No.1-6	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.1-16	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 hol No.2-1 <sup>*</sup>
C	Cs-134 (Approx. 2 years)	5,600 <3/24>	47 (11/25)	170 [9/3]	-	1.1 <1/13>	74 [ 10/21 ]	37,000 <2/13>	88 <sup>*2</sup> <2/27>	3.1 <sup>*1</sup> [12/13]	1.2 [ 12/5 ]	110 ( 9/23 )	0.88 <2/26>	0.66 ( 9/1
С	cs-137 (Approx.30 years)	14,000 <3/24>	110 (11/25)	380 (9/3)	-	2.8 <1/13>	170 [ 10/21 ]	93,000 <2/13>	230 *2 <2/27>	4.7 <2/17>	1.5 <3/10>	250 [ 9/23 ]	2.5 <2/26>	1.1 <sup>[8/29</sup> [9/1]
	Ru-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
The	Mn-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
other y	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
	Sb-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	760,000 <2/17>	59,000 <2/3>	2,100 *2 (11/17)	78 *2 <1/27>	2,300 [ 12/26 ]	730 [ 10/21 ]	260,000 <2/12> 13	1,100 <3/20>	<1/20> 3,100,000 <1/30> <2/3>	3,500 <3/24>	700,000 [ 9/23 ]	1,700 [7/8]	380 [ 7/29
	H-3 (Approx. 12 years)	*2 110,000 <2/6>	12,000 <1/6> <2/3>	*2 860 〔11/14〕	*2 270,000 <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
:	Sr-90(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 [ 7/25
						I	1	1		1	1	1	Unit: Bq/L	1
		Groundwater observation hole No.2-2	Groundwater observation hole No.2-3	Groundwater observation hole No.2-5	Groundwater observation hole No.2-6	Groundwater observation hole No.2-7	Groundwater observation hole No.2-8	Groundwater observation hole No.2-9	Groundwater pumped up from the well point (between Unit 2 and 3)	Groundwater observation hole No.3	Groundwater observation hole No.3-1*	Groundwater observation hole No.3-4	Groundwater observation hole No.3-5	
C	Cs-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 <sup>[7/25]</sup> [8/8]	1.9 <1/8>	64 <1/15>	]
С	cs-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>	

ND

ND

ND

5,100

240,000 [12/12]

[ 12/6 ]

ND

ND

1.6

1,400

3,200

8.3

<1/1>

[7/11]

(2012/12/

12]

(2012/12)

12)

ND

ND

ND

180

460

4.4

[8/1]

[8/1]

[7/23]

0.54

ND

ND

18

170 [ 9/18 ]

ND

[ 10/30 ]

<3/12>

-

-

69

170

<1/29>

<1/8>

Sr-90(Approx. 29 years) 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.

Mn-54 (Approx. 310 days)

Co-60 (Approx. 5 years)

Sb-125 (Approx. 3 years)

Gross ß

H-3 (Approx. 12 years)

The other

\*2 The results are for a reference, since the water was highly turbid. ( $\gamma$  and Gross  $\beta$  were measured after filtration.)

0.29

ND

ND

1,500

1,700

Under

analysis

[ 12/6 ]

[ 12/6 ]

[ 12/6 ]

0.94

ND

30

150,000

6,300

Under

analysis

<1/8>

<2/12>

<2/12>

[ 12/4 ]

ND

ND

ND

3,200

1,200

Under

analysis

[ 12/5 ]

[11/24]

(11/27)

ND

ND

ND

620

1,100

Under

analysis

<3/26>

<1/17>

-

-

3,600<sup>\*2</sup> <3/23>

<3/9>

\*2

1300

-

-1,700<sup>\*2</sup>

13,000

\*2

<2/7>

<2/7>

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

ND

ND

ND

570

660

Under

analysis

<3/26>

<1/8>

\* 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 ike channel	water in (north s	side of Unit 1-4 take channel side of East all Break)	1F, Unit	t 1 Screen e Silt Fence)	intake cha	en the water nnel of Unit 1 (surface layer)	intake cha	een the water annel of Unit 1 2 (lower layer)		2 Screen e Silt Fence)	intake char	en the water nnel of Unit 2 Unit 3		t 3 Screen e Silt Fence)	intake cha	een the water nnel of Unit 3 Unit 4		t 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 ß	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)

	4 water in (In front of	side of Unit 1- take channel impermeable vall)		d the south e channel	1F, Por	t entrance	1F, East s	ide in the port	1F, West s	side in the port	1F, North s	ide in the por	1F, South s	ide 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 ß	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]	-		-		-		-		-	-	-	-	-

\* 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.

\*1 Since reanalysis is ongoing, the figures are just for a reference.

\* "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.

#### 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 60 60,000 90 30 density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2) WHO Guidelines for drinking-water quality 10 10 10,000 10

[Reference] Standard values

Unit: Bg/L

Unit: Ba/L