

or being implemented (as of April 18, 2014)

# 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 chlorid
		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	/	/	/	1 /	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	/	/	10:44 AM	9:23 AM	10:02 AM	9:40 AM	10:26 AM
	Chloride (unit: ppm)		/	/	/	-	/	-	-		/	-	-	-	-	-
С	s-134 (Approx. 2 years)	/			/	ND(0.40)	/	0.49	11,000			0.53	4.6	24	1.7	ND(0.62)
C	s-137 (Approx.30 years)	/	/	/	/	0.74	/	1.3	30,000	/	/	1.5	15	71	5.2	ND(0.78)
	Mn-54 (Approx. 310 days)	/	/	/	/	ND	/	ND	130	/	/	ND	ND	1.1	0.80	ND
The	Co-60 (Approx. 5 years)			/	/	ND		ND	630		/	ND	ND	ND	ND	ND
other y	Ru-106 (Approx. 370 days)		/			ND	/	5.2	ND			ND	ND	ND	ND	ND
	Sb-125 (Approx. 3 years)			/		ND		ND	ND			ND	ND	ND	4.9	ND
	Gross β			/	/	ND(17)	/	110	1,200,000		/	170	140	11,000	690,000	240,000
1	H-3 (Approx. 12 years)	/	/	/	/	19,000	/	150,000	8,900	/	/	7,900	16,000	10,000	4,600	13,000
S	r-90 (Approx. 29 years)	/	/	V	/	-	V	-	-	V	V	-	-	-	-	-
		Groundwater	Indesaround	Underground	Underground	Underground	Underground	Indesaround	Underground	Groundwater	Underground	Underground	Underground	Underground	Underground	]

		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	/	/	/	/	/	/	/	/	/	/	/		/	/
	Time of sampling	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Chloride (unit: ppm)	/	/		/	/	/		/	/		/	/	/	/
C	cs-134 (Approx. 2 years)	/	/	/	/	/	/		/	/	/	/	/	/	/
С	s-137 (Approx.30 years)	/	/	/		/	/			/	/	/		/	/
	Mn-54 (Approx. 310 days)	/	/	/	/	/	/	/	/	/	/	/	/	/	/
The	Co-60 (Approx. 5 years)	/		/	/	/	/		/	/	/	/		/	/
other y	Ru-106 (Approx. 370 days)	/	/		/	/			/				/		/
	Sb-125 (Approx. 3 years)		/		/		/							/	
	Gross β													/	
	H-3 (Approx. 12 years)	/	/	/	/	/	/	/	/	/	/	/	/	/	/
S	r-90 (Approx. 29 years)	/	V	V	V	/	V	V	/	/	V	/	/	/	/

\* Data announced this time is provided in a thick-frame. The other data was announced on August 8.

\* "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 in the observation hole No.1-14 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 (2/4) 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	Underground water observation hole No.1-17
	Date of sampling	/		1 /	/ /	/ /	1 /	Aug 11, 2014	Aug 11, 2014	Aug 11, 2014	/	Aug 11, 2014				
	Time of sampling	/		/	/	/	/	9:59 AM	9:36 AM	10:25 AM	/	9:37 AM	8:55 AM	9:05 AM	9:17 AM	9:15 AM
	Chloride (unit: ppm)	/		/	/	/	/	-	-	-	/	-	-	-	-	-
С	s-134 (Approx. 2 years)	/				/		ND(0.49)	12,000 <sup>*1</sup>	7.0		0.54	7.5	40	2.7	ND(0.81)
C	s-137 (Approx.30 years)	/		/	/	/	/	ND(0.56)	34,000 <sup>*1</sup>	25	/	1.1	18	110	5.7	0.91
	Mn-54 (Approx. 310 days)	/		/	/	/	/	ND	120	ND	/	ND	ND	ND	2.7 <sup>*1</sup>	ND
The	Co-60 (Approx. 5 years)	/		/	/	/	/	ND	630	ND		ND	ND	ND	ND	ND
other $\boldsymbol{\gamma}$	Sb-125 (Approx. 3 years)				/	/		1.0	ND	ND		ND	ND	ND	9.5	2.3
						/					/					
	Gross β		1/	/	/	/	/	110	1,400,000 <sup>*1</sup>	15,000	/	200	90	21,000 <sup>*1</sup>	710,000	280,000 <sup>*1</sup>
I	H-3 (Approx. 12 years)	/	/	/	/	/	/	Under analysis	Under analysis	Under analysis	/	Under analysis				
Si	-90 (Approx. 29 years)	/	/	/	V	/	/	-	-	-	/	-	-	-	-	-

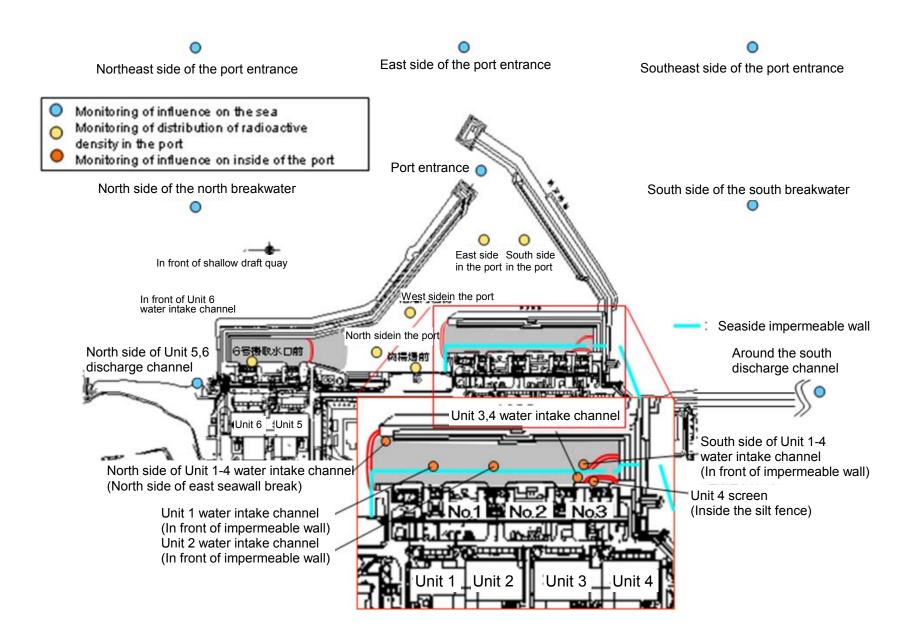
		Groundwater pumped up from the well point (between Unit 1 and 2)	Underground water observatio hole No.2	Underground n water observation hole No.2-2	Underground water observation hole No.2-3	Underground water observation hole No.2-5	Underground water observation hole No.2-6	Underground water observation 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 11, 2014		/ /	/	/	/	/	/	/	/	/	/	/	/
	Time of sampling	10:00 AM	/	/	/	/	/	/	/	/	/	/	/	/	/
	Chloride (unit: ppm)	-	/		/	/	/		/	/		/	/		
C	Cs-134 (Approx. 2 years)	5.8	/		/	/	/	/	/	/	/	/	/	/	/
С	s-137 (Approx.30 years)	20	/		/	/	/	/	/	/	/	/	/	/	/
	Mn-54 (Approx. 310 days)	2.7	/		/	/	/	/	/	/	/	/	/	/	/
The	Co-60 (Approx. 5 years)	ND			/	/	/	/	/		/	/	/		/
other y	Sb-125 (Approx. 3 years)	ND				/			/			/	/	/	
			/											/	
	Gross β	360,000			/		/	/	/	/		/	/		
	H-3 (Approx. 12 years)	Under analysis	/	/	/	/	/	/	/	/	/	/	/	/	/
S	sr-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

	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)	TE, IN front of	· · ·	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)	1F, Around the south discharge channel	Specified	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)				V				V	V		30	10

Unit: Ba/L

Unit: Bg/L

												Juit: Rd/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	Aug 4, 2014	Aug 4, 2014	Aug 4, 2014	Aug 4, 2014	Aug 4, 2014	/	/	/	/	/		
Time of sampling	9:33 AM	9:43 AM	9:50 AM	9:55 AM	9:38 AM					/		
Cs-134(Approx. 2 years)	ND(0.96)	ND(1.3)	ND(1.2)	ND(1.4)	ND(1.3)		/		/		60	10
Cs-137(Approx.30 years)	ND(1.2)	ND(1.6)	1.6	2.1	1.5						90	10
Gross β	ND(18)	ND(18)	ND(18)	ND(18)	ND(18)							
H-3 (Approx. 12 years)	ND(1.6)	11	6.8	14	11						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 August 5.

\* "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]).

# 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)	1F, In front of Unit 1 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)	south discharge channel	Specified	WHO Guidelines for drinking- water quality
Date of Sampling	Aug 11, 2014	Aug 11, 2014	Aug 11, 2014	Aug 11, 2014	Aug 11, 2014	Aug 11, 2014	Aug 11, 2014	Aug 11, 2014	Aug 11, 2014	Aug 11, 2014		
Time of sampling	6:40 AM	6:31 AM	6:40 AM	6:20 AM	6:34 AM	6:32 AM	6:27 AM	6:25 AM	6:30 AM	5:35 AM		
Cs-134(Approx. 2 years)	ND(0.59)	ND(2.9)	ND(2.3)	2.2	ND(3.6)	2.8	14	12	6.2	ND(0.76)	60	10
Cs-137(Approx.30 years)	0.7	ND(2.2)	3.5	6.4	3.2	4.4	46	40	21	1.4	90	10
Gross β	8.7	ND(18)	ND(18)	ND(18)	ND(18)	21	450	280	64	14		
H-3 (Approx. 12 years)	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	60,000	10,000
Sr-90 (Approx. 29 years)	-	-	-	-	-	-	-	-	-	-	30	10

Unit: Bq/L

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)	/	/	V	/	/		/	/		/	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/cm<sup>3</sup> to Bq/L]).

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

		observa	ndwater ition hole .0-1	observa	idwater ition hole 0-1-1	Ground observat No.0	ion hole	observa	dwater tion hole .0-2	observa	ndwater ation hole 0-3-1	Groun observa No.0	tion hole	observa	dwater tion hole .0-4	observa	ndwater ation hole o.1	observa	ndwater ation hole .1-1°	observa	idwater ition hole .1-2 <sup>*</sup>		dwater tion hole 1-3 <sup>°</sup>	observa	idwater ition hole .1-4 <sup>*</sup>	Groun observat No.	tion hole	Groun observa	Unit: Bq/l dwater tion hole .1-6
C	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>	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> <8/7>
С	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] [8/8]	3.1	[ 8/8 ]	ND		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	(0.0)	ND		ND		320	<2/13> <2/17>
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		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) (8/26)	ND		12	[ 8/8 ]	34	<5/19>
	Gross β	300	[8/29] <5/18>	21	[ 12/7 ]	24	<6/22>	87	[10/13]	ND		67 <sup>*1</sup>	[ 12/11 ]	44	<6/22>	1,900	[5/24]	4,400	[7/8]	9,300,000	[7/8]	160,000	(8/12) (8/15)	380	[8/19]	56,000	[ 8/5 ]	1,200,000	<8/4>
	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	<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/l
		observa	ndwater ation hole a.1-8	observa	idwater ition hole .1-9	Ground observat No.1	ion hole		dwater tion hole 1-11	observa	ndwater ation hole 1-12	Groun observa No.			dwater tion hole 1-14	observa	ndwater ation hole .1-15	observa	ndwater ation hole .1-16	observa	idwater ition hole 1-17	Ground pumped the we (betwee and	up from Il point	observa	idwater ition hole o.2	Ground observat No.:	tion hole	observa	dwater tion hole .2-2
C	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 <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	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 <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		1.1	<8/7>	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		-		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 <sup>*2</sup>	[ 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>	3,100,000	<1/20> ) <1/30> <2/3>	240,000	<8/7>	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 <sup>*2</sup>	2 [11/14]	*2 270,000	<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>
5	Sr-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 ]
								1						Croum	dwater	1		1		1							Unit: Bq/L	I	
		observa	ndwater ation hole 9.2-3	observa	idwater ition hole .2-5	Ground observat No.	ion hole	observa	dwater tion hole .2-7	observa	ndwater ation hole 9.2-8	Groun observa No	tion hole	pumped the we (betwee	l up from ell point en Unit 2 d 3)	observa	ndwater ation hole lo.3	observa	ndwater ation hole .3-1	observa	idwater ition hole .3-2	Groun observat No.	tion hole	observa	idwater ition hole .3-4		dwater tion hole .3-5		
C	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>		
C	cs-137 (Approx.30 years)	5.5	<2/26>	110	<5/7>	50	<3/11>	9.0	<2/23>	3.4 *2	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	6.5	<2/11>	ND		ND		ND		ND		ND		ND		-			
The	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 ]	-			
other y	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>	*2 5,800	<7/23>	1,700	<2/7>	240,000		1,400	[7/11]	*2 180	[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 <sup>*2</sup>	2 <4/6> <8/6>	13,000	<2/7> <2/11>	7,500	<7/30> <8/6>	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		_			

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 si	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	een the water nnel of Unit 1 2 (surface lyer)	intake cha	en the water nnel of Unit 1 (lower layer)	discharge front of in	nt of Unit 2 channel (in npermeable rall)	intake cha	een the water nnel of Unit 2 I Unit 3	intake chan	en the water inel of Unit 3 Unit 4	1F, Unit (Inside the	4 Screen Silt Fence)	4 water int (In front of	side of Unit 1- take channel impermeable vall)
Cs-134(Approx. 2 years)	1.8	[6/21]	2.8	[ 12/2 ]	5.3	[ 8/5 ]	32	[ 10/11 ]	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>	320	<8/4>	2,600	<6/2>	2,500	<6/23>	2,200	<7/21>	810	<8/4>
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]	-	

North side of the north Northeast side of the 1F. Around the south East side of the south Southeast side of the South side of the south 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 discharge channel north breakwater breakwater breakwater port entrance breakwater 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) ND ND ND ND 4.9 <6/9> 7.3 [ 10/11 ] 9.0 [ 10/17 ] 10 [ 12/24 ] 8.4 [12/2] 7.8 [ 10/17 ] 1.6 [ 10/18 ] <6/9> Gross ß 16 69 [8/19] 74 [8/19] 60 [7/4] 69 [8/19] 79 [8/19] ND ND ND ND ND <8/4> 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> <4/23> 2.8 0.29 [6/26] 49 [8/19] Sr-90 (Approx. 29 years)

\* 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.

e] Standard values				Ur
	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