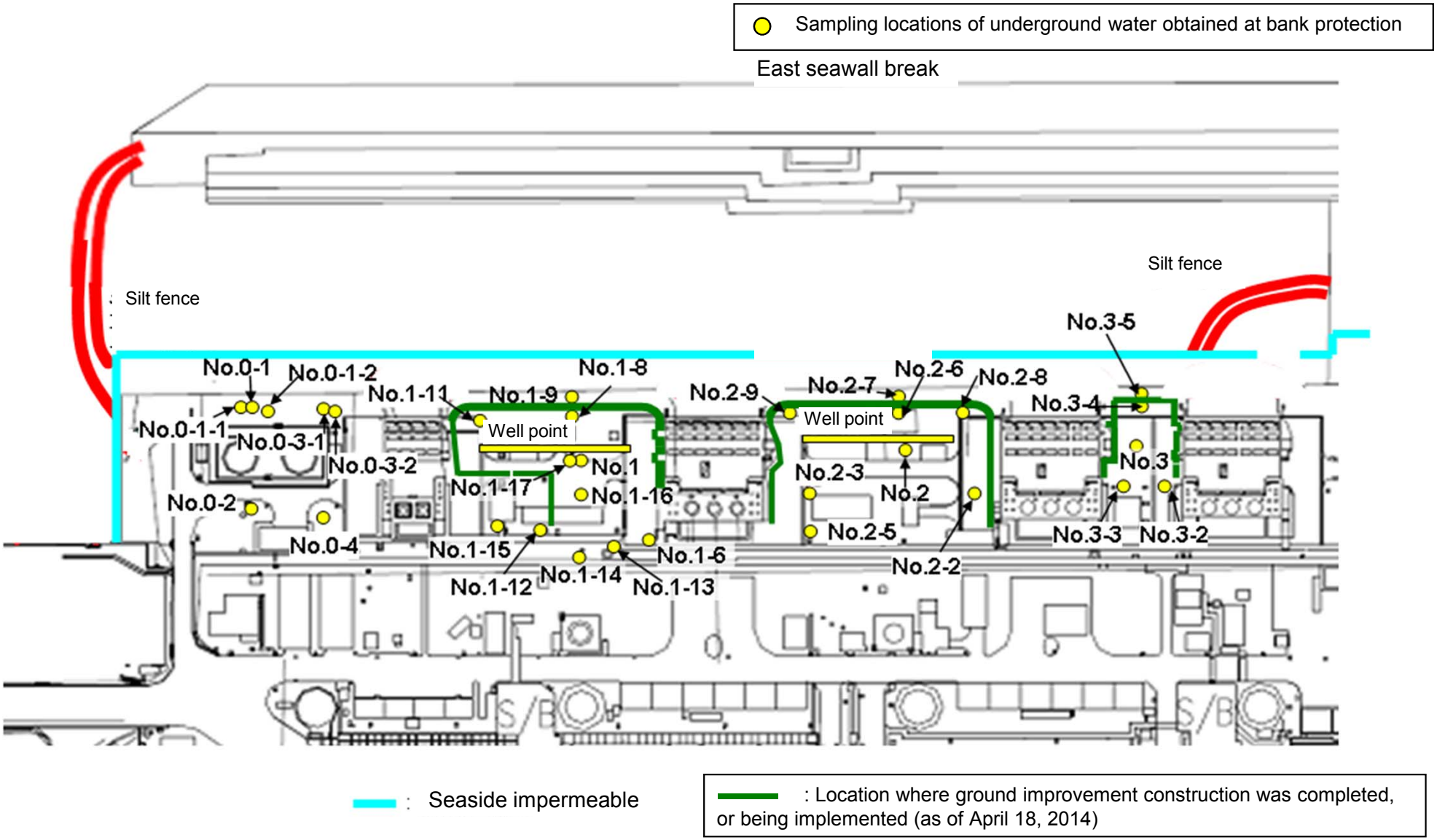
<Reference>
December 2, 2014
Tokyo Electric Power Company

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



Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (1/4)
Underground Water Obtained at Bank Protection

Unit: Bq/L (exclude chloride)

		Underground water observation hole No.0-1	Underground water observation hole No.0-1-2	Underground water observation hole No.0-2	Underground water observation hole No.0-3-1	Underground water observation hole No.0-3-2	Underground water observation hole No.0-4	Underground water observation hole No.1	Underground water observation hole No.1-6	Underground water observation hole No.1-8	Underground water observation hole No.1-9 (note)	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						November 27, 2014		November 27, 2014	November 27, 2014			November 27, 2014	November 27, 2014	November 27, 2014	November 27, 2014	November 27, 2014
Time of sampling						9:30 AM		9:05 AM	9:56 AM			9:22 AM	9:12 AM	9:25 AM	9:32 AM	10:09 AM
Chloride (unit: ppm)						–		–	–			–	–	–	–	–
Cs-134 (Approx. 2 years)						ND(0.36)		ND(0.37)	15,000			0.39	3.6	87	3.0	–
Cs-137 (Approx.30 years)						ND(0.51)		ND(0.46)	47,000			1.1	12	270	4.7	–
The other γ	Mn-54 (Approx. 310 days)					ND		ND	ND			ND	ND	ND	1.3	–
	Co-60 (Approx. 5 years)					ND		ND	130			ND	ND	ND	ND	–
	Sb-125 (Approx. 3 years)					ND		ND	ND			ND	ND	ND	6.0	–
Gross β						31		61	530,000			32	220	29,000	580,000	19,000
H-3 (Approx. 12 years)						14,000		180,000	5,300			17,000	27,000	9,400	2,200	46,000
Sr-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 (note)	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 (note)
Date of sampling															
Time of sampling															
Chloride (unit: ppm)															
Cs-134 (Approx. 2 years)															
Cs-137 (Approx.30 years)															
The other γ	Mn-54 (Approx. 310 days)														
	Co-60 (Approx. 5 years)														
	Sb-125 (Approx. 3 years)														
Gross β															
H-3 (Approx. 12 years)															
Sr-90（Approx. 29 years）															

* Data announced this time is provided in a thick-frame. The other data was announced on Novemeber 28, 2014.
* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses, except "the other γ".
* "-" indicates that the measurement was out of range.
(Note) As for No. 1-9, 2-5, and 3-5, γ was not measured because they are samlpled by sampler. Gross β were measured after filtation for references.
*γ was not measured because the water was highly turbid. (Gross β were measured after filtration as references.)

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)

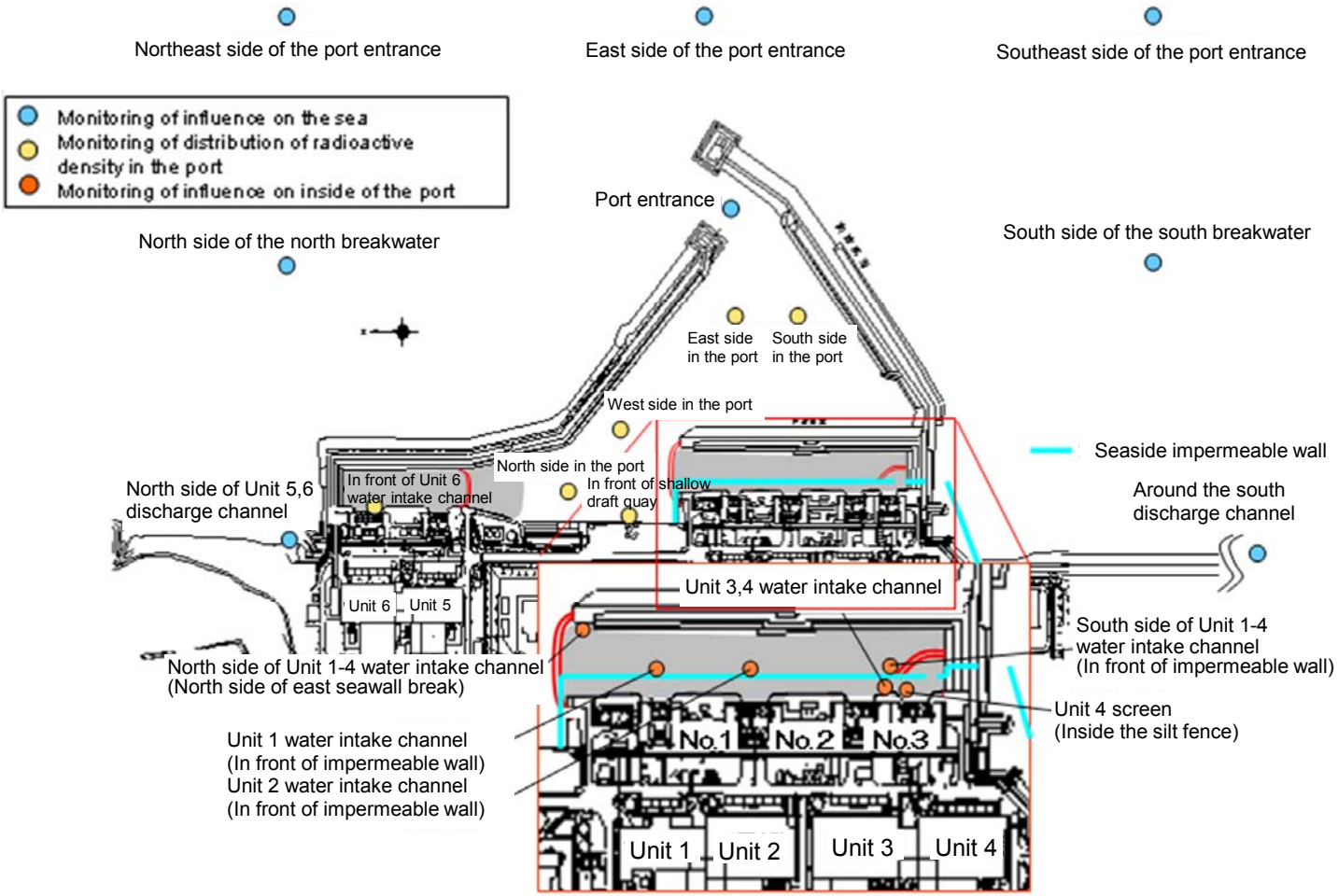
		Underground water observation hole No.0-1	Underground water observation hole No.0-1-2	Underground water observation hole No.0-2	Underground water observation hole No.0-3-1	Underground water observation hole No.0-3-2	Underground water observation hole No.0-4	Underground water observation hole No.1	Underground water observation hole No.1-6	Underground water observation hole No.1-8	Underground water observation hole No.1-9 (note)	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						December 01, 2014		December 01, 2014	December 01, 2014	December 01, 2014		December 01, 2014	December 01, 2014	December 01, 2014	December 01, 2014	December 01, 2014
Time of sampling						9:30 AM		11:01 AM	11:38 AM	10:45 AM		11:17 AM	11:10 AM	11:05 AM	10:47 AM	Sampling ceased
Chloride (unit: ppm)						—		—	—	—		—	—	—	—	
Cs-134 (Approx. 2 years)						ND(0.39)		ND(0.95)	15,000	16		ND(0.43)	2.1	69	2.4	
Cs-137 (Approx.30 years)						ND(0.46)		ND(0.62)	45,000	52		ND(0.63)	7.5	230	7.7	
The other γ	Mn-54 (Approx. 310 days)					ND		ND	ND	ND		ND	ND	3.8 *1	1.2	
	Co-60 (Approx. 5 years)					ND		ND	190	ND		ND	ND	ND	ND	
	Sb-125 (Approx. 3 years)					ND		ND	ND	ND		ND	ND	ND	6.9	
	Ru-106 (Approx. 370 days)					ND		4.5	ND	ND		ND	ND	ND	ND	
Gross β						35		60	600,000	25,000		42	150	31,000	580,000	
H-3 (Approx. 12 years)						Under analysis		Under analysis	Under analysis	Under analysis		Under analysis	Under analysis	Under analysis	Under analysis	
Sr-90（Approx. 29 years）						—		Under analysis	Under analysis	Under analysis		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 (note)	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(note)
Date of sampling		December 01, 2014													
Time of sampling		11:00 AM													
Chloride (unit: ppm)		—													
Cs-134 (Approx. 2 years)		14													
Cs-137 (Approx.30 years)		53													
The other γ	Mn-54 (Approx. 310 days)	42													
	Co-60 (Approx. 5 years)	ND													
	Sb-125 (Approx. 3 years)	ND													
	Ru-106 (Approx. 370 days)	ND													
Gross β		1,500,000													
H-3 (Approx. 12 years)		Under analysis													
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, except "the other γ".
* "-" indicates that the measurement was out of range.
(Note) As for No. 1-9, 2-5, and 3-5, γ was not measured because they are samlpled by sampler. Gross β were measured after filtation for references.

*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')
** No sampling was taken due to the construction work around the area.

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



Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (3/4) Seawater

Unit: Bq/L

	1F, North side of Unit 5,6 discharge channel	1F, In front of Unit 6 water intake channel	1F, In front of shallow draft quay	1F, North side of Unit 1-4 water intake channel (north side of East Seawall Break)	1F, In front of Unit 1 water intake channel (in front of impermeable wall)	1F, In front of Unit 2 water intake channel (in front of impermeable wall)	1F, In front of Unit 3 & 4 water intake channel	1F, Unit 4 Screen	1F, South side of Unit 1-4 water intake channel (in front of impermeable wall)	1F, Around the south discharge channel	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

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	1F, North side of the north breakwater	1F, Port entrance (north-east side)	1F, Port entrance (east side)	1F, Port entrance (south-east side)	1F, South side of the south breakwater	Density Limit Specified by the Reactor Regulation *	WHO Guidelines for drinking-water quality
Date of Sampling	November 25, 2014	November 25, 2014	November 25, 2014	November 25, 2014	November 25, 2014							
Time of sampling	6:47 AM	6:55 AM	7:00 AM	7:04 AM	6:52 AM							
Cs-134(Approx. 2 years)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.2)	ND(1.9)						60	10
Cs-137(Approx.30 years)	ND(1.2)	1.6	1.6	2.6	2.1						90	10
Gross β	ND(17)	ND(17)	ND(17)	ND(17)	ND(17)							
H-3 (Approx. 12 years)	ND(1.7)	7.2	8.0	6.3	7.0						60,000	10,000
Sr-90（Approx. 29 years）	－	－	－	－	－						30	10

* Data announced this time is provided in a thick-frame. The other data was announced on Novemeber 26, 2014.

* "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^3 to Bq/L]).

Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (4/4) Seawater

Unit: Bq/L

	1F, North side of Unit 5,6 discharge channel	1F, In front of Unit 6 water intake channel	1F, In front of shallow draft quay	1F, North side of Unit 1-4 water intake channel (north side of East Seawall Break)	1F, In front of Unit 1 water intake channel (in front of impermeable wall)	1F, In front of Unit 2 water intake channel (in front of impermeable wall)	1F, In front of Unit 3 & 4 water intake channel	1F, Unit 4 Screen	1F, South side of Unit 1-4 water intake channel (in front of impermeable wall)	1F, Around the south discharge channel	Density Limit Specified by the Reactor Regulation *	WHO Guidelines for drinking-water quality
Date of Sampling		December 01, 2014	December 01, 2014	December 01, 2014	December 01, 2014	December 01, 2014	December 01, 2014	December 01, 2014	December 01, 2014			
Time of sampling		6:35 AM	6:40 AM	7:03 AM	6:45 AM	6:50 AM	6:57 AM	6:55 AM	6:53 AM			
Cs-134(Approx. 2 years)		ND(1.7)	ND(1.6)	2.4	2.3	3.4	3.6	5.3	3.3		60	10
Cs-137(Approx.30 years)		ND(1.9)	2.7	6.2	7.4	7.1	12	14	10		90	10
Gross β		ND(17)	17	47	43	43	57	130	60			
H-3 (Approx. 12 years)		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

	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	1F, North side of the north breakwater	1F, Port entrance (north-east side)	1F, Port entrance (east side)	1F, Port entrance (south-east side)	1F, South side of the south breakwater	Density Limit Specified by the Reactor Regulation *	WHO Guidelines for drinking-water quality
Date of Sampling	December 01, 2014	December 01, 2014	December 01, 2014	December 01, 2014	December 01, 2014							
Time of sampling	7:30 AM	7:40 AM	7:45 AM	7:47 AM	7:36 AM							
Cs-134(Approx. 2 years)	ND(1.2)	ND(1.8)	ND(1.5)	ND(1.6)	ND(1.5)						60	10
Cs-137(Approx.30 years)	1.3	2.0	ND(1.4)	ND(1.2)	2.7						90	10
Gross β	ND(17)	ND(17)	ND(17)	ND(17)	ND(17)							
H-3 (Approx. 12 years)	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis						60,000	10,000
Sr-90（Approx. 29 years）	—	—	—	—	—						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^3 to Bq/L]).

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

Unit: Bq/L

		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*	Groundwater observation hole No.1-3*	Groundwater observation hole No.1-4*	Groundwater observation hole No.1-5*	Groundwater observation hole No.1-6
Cs-134 (Approx. 2 years)		29 〈5/25〉	ND	0.61 〈3/2〉	0.61 〔10/13〕	0.64 〈4/6〉	1.3 〈9/25〉	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〕	67,000 〈10/17〉
Cs-137 (Approx.30 years)		78 〈5/25〉	ND	1.5 〈3/2〉	2.2 〈1/12〉	1.1 〈4/6〉	5.1 〈9/25〉	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〕	200,000 〈10/16〉
The other γ	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	700 〈10/13〉
	Co-60 (Approx. 5 years)	ND	ND	ND	ND	ND	ND	ND	0.50 〔7/19〕	ND	3.1 〔7/8〕	ND	ND	ND	3,600 〈10/13〉
	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	74 〈10/9〉	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〕	7,800,000 〈10/13〉
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〕	110,000 *2 〈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〕	1,100,000 〈8/4〉〈10/2〉

Unit: Bq/L

		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
Cs-134 (Approx. 2 years)		47 〔11/25〕	170 〔9/3〕	－	1.1 〈1/13〉	74 〔10/21〕	37,000 〈2/13〉	130 〈10/18〉	ND	30 〈7/28〉	1.4 〈7/7〉	920 〈11/13〉	0.88 〈2/26〉	0.66 〔9/1〕	15 〈2/12〉
Cs-137 (Approx.30 years)		110 〔11/25〕	380 〔9/3〕	－	3.4 〈4/28〉	170 〔10/21〕	93,000 〈2/13〉	390 〈10/20〉	0.88 〈7/10〉	86 〈7/28〉	3.0 〈9/29〉	3,000 〈11/13〉	2.5 〈2/26〉	1.1 〔8/29〕〔9/1〕	38 〈2/12〉
The other γ	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
	Mn-54 (Approx. 310 days)	12 〈2/3〉	ND	－	ND	ND	ND	2.1 〈9/8〉	ND	11 〈8/25〉	ND	110 〈11/13〉	ND	ND	ND
	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〕	3.0 〈11/24〉	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 2,100 〔11/17〕	*2 78 〈1/27〉	2,300 〔12/26〕	1,100 〈5/5〉	260,000 〈2/12〉〈2/13〉	31,000 〈11/20〉〈11/24〉	110 〈7/10〉	3,100,000 〈1/20〉〈1/30〉〈2/3〉	1,200,000 〈10/9〉	3,200,000 〈11/13〉	1,700 〔7/8〕	380 〔7/29〕	600 〈4/16〉
H-3 (Approx. 12 years)		45,000 〈11/24〉	*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〉	74,000 〈7/10〉	43,000 〔9/26〕	160,000 〈10/13〉〈10/16〉〈11/3〉	460,000 〔8/19〕	1,000 〈2/23〉	440 〔8/26〕	660 〈1/8〉
Sr-90(Approx. 29 years)		35,000 〈2/17〉	300 〔10/3〕	—	170 〈8/4〉	290 〔10/21〕	160,000 〈2/12〉	28,000 〈10/2〉	Under analysis	2,700,000 〈2/13〉	990,000 〈10/2〉	—	54 〔5/31〕	5.9 〔7/25〕	320 〔12/25〕

Unit: Bq/L

		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.3-2	Groundwater observation hole No.3-3	Groundwater observation hole No.3-4	Groundwater observation hole No.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	2.2 〈9/7〉	3.5 〔7/25〕	1.2 〔7/25〕〔8/8〕	23 〈8/27〉	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 〈7/20〉	0.58 *2 〈2/11〉	5.7 〈9/7〉	5.9 〔8/8〕	2.6 〔8/1〕	68 〈9/3〉	500 〈7/2〉	16 〈8/27〉	310 〈7/30〉
The other γ	Ru-106 (Approx. 370 days)	ND	ND	ND	ND	ND	6.5 *2 〈2/11〉	ND	ND	ND	ND	ND	ND	－	
	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〕	－	
	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〕〈11/6〉	1,300 〈6/20〉	5,800 〈7/23〉	1,700 〈2/7〉	240,000 〔12/12〕	1,400 〔7/11〕	180 〔8/1〕	3,100 〈8/20〉〈8/28〉	8,900 〈7/2〉	46 〈8/13〉	510 〈7/16〉	
H-3 (Approx. 12 years)		1,700 〔12/6〕	7,900 〈4/9〉	1,900 〈8/10〉	1,100 〈1/19〉	1,700 〈4/6〉〈8/6〉〈8/13〉	*2 13,000 〈2/7〉〈2/11〉	13,000 〈10/19〉〈10/26〉〈10/29〉	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〕	34,000 〈5/7〉	Under analysis	ND(1.4) 〔11/21〕	3,900 〈3/30〉	1,200 *2 〈2/11〉	－	8.3 〔2012. 12/12〕	4.4 〔7/23〕	2000 〈4/18〉	3,600 〈4/30〉	ND	200 〈5/28〉	

● 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 reference, since the water was highly turbid. (γ and Gross β 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.
(Note) As for No. 1-9, 2-5, and 3-5, since September 17, γ was not measured because they are samlpled by sampler. Gross β were measured after filtation for reference.

<Reference> The Highest Dose Until the Previous Measurement* (Seawater)

Unit: Bq/L

	1F, North side of Unit 5,6 discharge channel	1F, In front of Unit 6 water intake channel	1F, In front of shallow draft quay	1F, North side of Unit 1-4 water intake channel (north side of East Seawall Break)	1F, In front of Unit 1 water intake channel (in front of impermeable wall)	1F, In front of Unit 2 water intake 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 fense)	1F, South side of Unit 1-4 water intake channel (in front of impermeable wall)	1F, Around sounth discharge channel
Cs-134(Approx. 2 years)	1.8 〔6/21〕	2.8 〔12/2〕	5.3 〔8/5〕	32 〔10/11〕	12 〈6/23〉	12 〈9/8〉	50 〈9/22〉	62 〔9/16〕	24 〈11/3〉	1.8 〈6/9〉
Cs-137(Approx.30 years)	4.5 〈3/17〉	5.8 〔12/2〕	8.6 〔8/5〕	73 〔10/11〕	33 〈5/12〉	40 〈9/8〉	150 〈9/22〉	140 〔9/16〕 〈9/22〉	64 〈11/3〉	4.9 〈6/9〉
Gross β	17 〈1/6〉	46 〔8/19〕	40 〔7/3〕	320 〔8/12〕	140 〈5/5〉 〈7/14〉 〈8/18〉 〈9/1〉 〈11/17〉	170 〈11/24〉	660 〈6/9〉	680 〈9/22〉	380 〈3/10〉	16 〈6/9〉 〈8/4〉
H-3 (Approx. 12 years)	8.7 〈5/12〉	24 〔8/19〕	340 〔6/26〕	600 〔8/18〕	460 〈8/18〉	350 〈8/18〉	2,500 〈6/23〉	2,200 〈7/21〉	810 〈8/4〉 〈11/3〉	5.6 〈5/19〉
Sr-90（Approx. 29 years）	4.7 〔6/26〕	—	7.2 〔6/26〕	220 〔8/19〕	—	—	660 〈6/9〉	470 〈8/4〉	—	0.29 〔6/26〕

Unit: Bq/L

	1F, East side in the port	1F, West side in the port	1F, North side in the port	1F, South side in the port	1F, Center in the port	1F, North side of the north breakwater	1F, Northeast side of the port entrance	1F, East side of the port entrance	Southeast side of the port entrance	1F, South side of the south breakwater
Cs-134(Approx. 2 years)	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)	7.3 〔10/11〕	9.0 〔10/17〕	10.0 〔12/24〕	8.4 〔12/2〕	7.8 〔10/17〕	ND	0.7 〈10/8〉	1.6 〔10/18〕	ND	ND
Gross β	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)	68 〔8/19〕	67 〔8/19〕	59 〔8/19〕	52 〔8/19〕	60 〔8/19〕	4.7 〔8/14〕	1.8 〈10/1〉	6.4 〔10/8〕	1.8 〈5/29〉	2.8 〈4/23〉
Sr-90（Approx. 29 years）	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.

[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