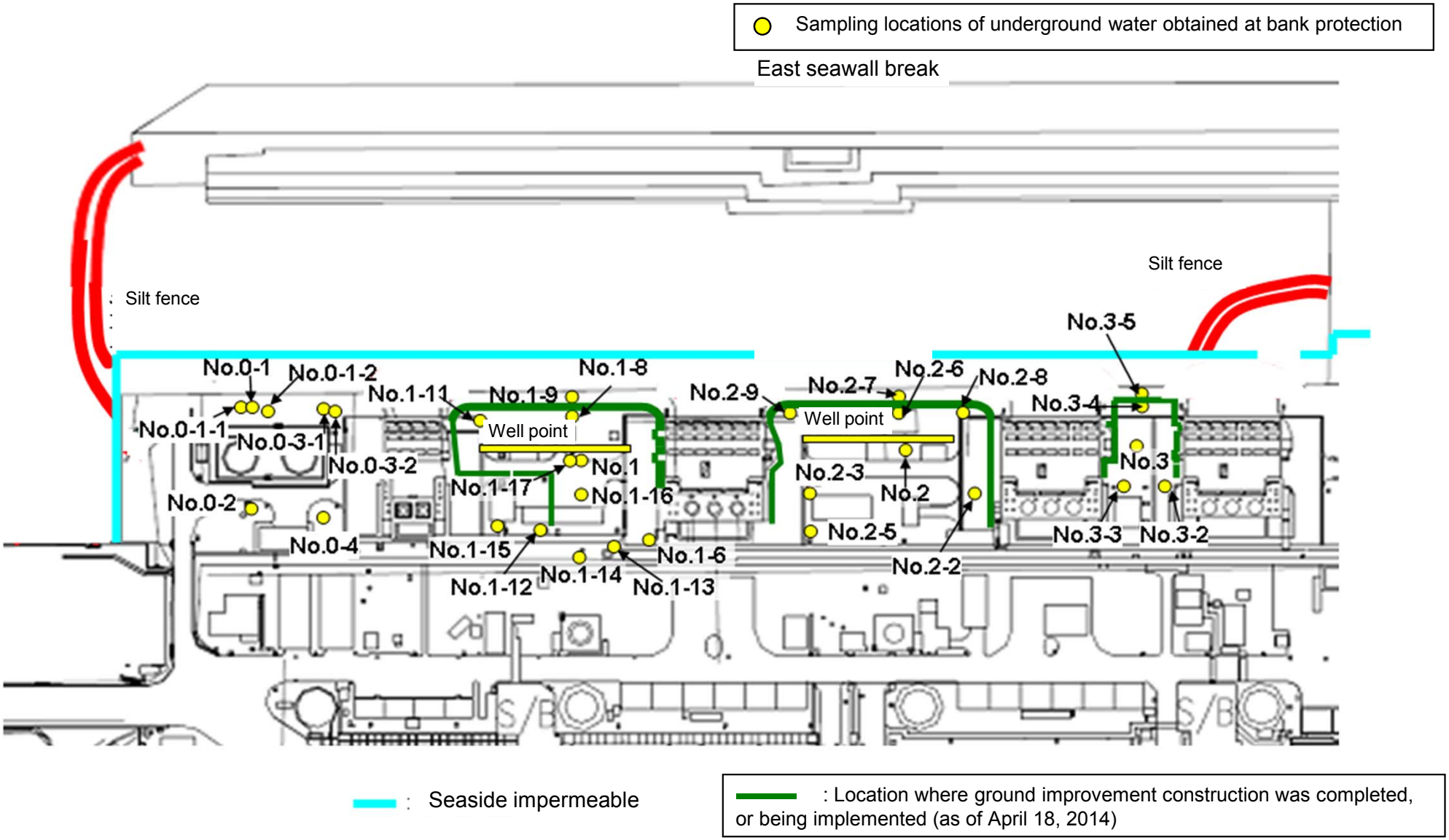
<Reference>
November 18, 2014
Tokyo Electric Power Company

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 13, 2014		November 13, 2014	November 13, 2014			November 13, 2014	November 13, 2014	November 13, 2014	November 13, 2014	November 13, 2014
Time of sampling						9:30 AM		9:41 AM	10:25 AM			9:59 AM	9:33 AM	9:55 AM	9:50 AM	10:20 AM
Chloride (unit: ppm)						–		–	–			–	–	–	–	–
Cs-134 (Approx. 2 years)						ND(0.39)		ND(0.47)	19,000			ND(0.41)	4.3	55	1.2	ND(0.59)
Cs-137 (Approx.30 years)						ND(0.56)		ND(0.54)	58,000			0.81	12	200	2.4	ND(0.56)
The other γ	Mn-54 (Approx. 310 days)					ND		ND	ND			ND	ND	ND	3.7	ND
	Co-60 (Approx. 5 years)					ND		ND	190			ND	ND	ND	ND	ND
	Ru-106 (Approx. 370 days)					ND		4.8	ND			ND	ND	ND	ND	ND
	Sb-125 (Approx. 3 years)					ND		ND	ND			ND	ND	ND	8.0	ND
Gross β						29		40	740,000			44	79	24,000	630,000	280,000
H-3 (Approx. 12 years)						11,000		190,000	7,800			11,000	32,000	7,600	2,400	110,000
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		November 13, 2014													
Time of sampling		10:00 AM													
Chloride (unit: ppm)		–													
Cs-134 (Approx. 2 years)		920													
Cs-137 (Approx.30 years)		3,000													
The other γ	Mn-54 (Approx. 310 days)	110													
	Co-60 (Approx. 5 years)	ND													
	Ru-106 (Approx. 370 days)	ND													
	Sb-125 (Approx. 3 years)	ND													
Gross β		3,200,000													
H-3 (Approx. 12 years)		85,000													
Sr-90（Approx. 29 years）		–													

* Data announced this time is provided in a thick-frame. The other data was announced on Nomber 13 and 14, 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, γwas not measured because they are samlpled by sampler. Gross βwere measured after filtation for 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

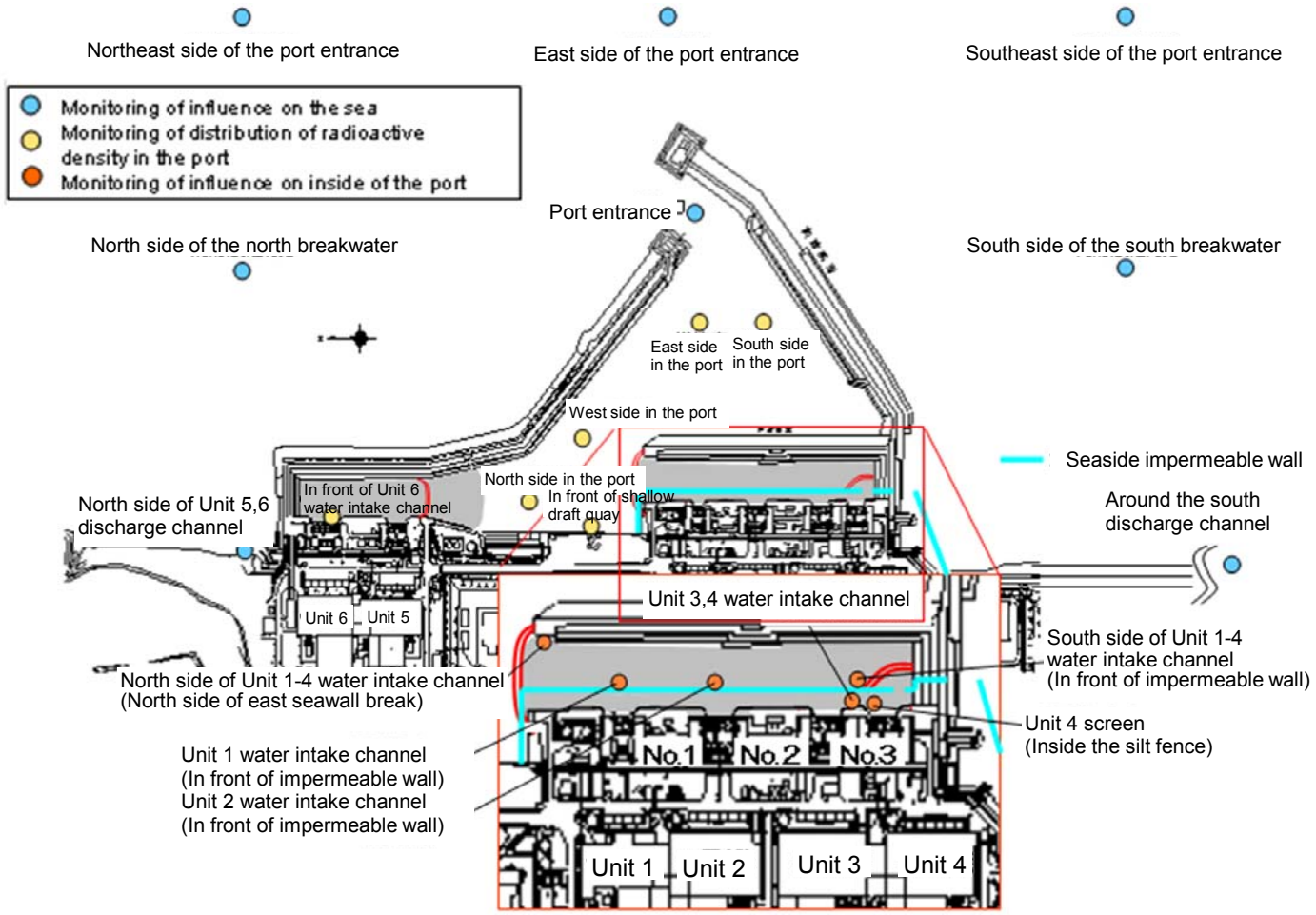
Unit: Bq/L (exclude chloride)

		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						November 17, 2014		November 17, 2014	November 17, 2014	November 17, 2014		November 17, 2014	November 17, 2014	November 17, 2014	November 17, 2014	November 17, 2014
Time of sampling						9:30 AM		9:04 AM	10:24 AM	9:39 AM		9:23 AM	9:35 AM	9:54 AM	9:52 AM	9:57 AM
Chloride (unit: ppm)						–		–	–	–		–	–	–	–	–
Cs-134 (Approx. 2 years)						ND(0.37)		ND(0.44)	16,000	24		ND(0.39)	3.2	58	2.0	ND(0.44)
Cs-137 (Approx.30 years)						ND(0.55)		0.83	49,000	71		0.65	12	180	5.2	ND(0.61)
The other γ	Mn-54 (Approx. 310 days)					ND		ND	ND	ND		ND	ND	ND	2.5	ND
	Co-60 (Approx. 5 years)					ND		ND	150	ND		ND	ND	ND	ND	ND
	Sb-125 (Approx. 3 years)					ND		ND	ND	ND		ND	ND	ND	12	ND
Gross β						ND(21)		55	760,000	22,000		36	250	28,000	650,000	30,000
H-3 (Approx. 12 years)						Under analysis		Under analysis	Under analysis	Under analysis		Under analysis	Under analysis	Under analysis	Under analysis	Under analysis
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		November 17, 2014													
Time of sampling		9:40 AM													
Chloride (unit: ppm)		–													
Cs-134 (Approx. 2 years)		ND(3.3)													
Cs-137 (Approx.30 years)		8.9													
The other γ	Mn-54 (Approx. 310 days)	49													
	Co-60 (Approx. 5 years)	ND													
	Sb-125 (Approx. 3 years)	ND													
Gross β		1,400,000													
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 of No. 1-9, 2-5, and 3-5, γwas not measured because they are samlpled by sampler. Gross βwere measured after filtation for references.

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	1F, Port entrance	Density Limit Specified by the Reactor Regulation *	WHO Guidelines for drinking-water quality
Date of Sampling											November 10, 2014		
Time of sampling											9:13 AM		
Cs-134(Approx. 2 years)											ND(1.1)	60	10
Cs-137(Approx.30 years)											1.3	90	10
Gross β											ND(18)		
H-3 (Approx. 12 years)											6.2	60,000	10,000
Sr-90（Approx. 29 years）											Under analysis	30	10

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, 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 10, 2014	November 10, 2014	November 10, 2014	November 10, 2014		November 11, 2014	November 11, 2014	November 11, 2014	November 11, 2014	November 11, 2014			
Time of sampling	9:25 AM	9:38 AM	9:44 AM	9:21 AM		9:56 AM	9:51 AM	10:02 AM	10:13 AM	10:09 AM			
Cs-134(Approx. 2 years)	ND(1.3)	ND(0.87)	ND(1.3)	ND(1.3)		ND(0.74)	ND(0.66)	ND(0.77)	ND(0.56)	ND(0.92)		60	10
Cs-137(Approx.30 years)	ND(1.1)	2.5	1.3	ND(1.4)		ND(0.58)	ND(0.63)	ND(0.57)	ND(0.80)	ND(0.69)		90	10
Gross β	ND(18)	ND(18)	ND(18)	ND(18)		ND(15)	ND(15)	ND(15)	ND(15)	ND(15)			
H-3 (Approx. 12 years)	5.8	5.3	4.3	5.9		ND(1.7)	ND(1.7)	ND(1.7)	ND(1.7)	ND(1.7)		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 November 11 and 13, 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 (in front of impermeable wall)	1F, In front of Unit 2 water intake (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	1F, Port entrance	Density Limit Specified by the Reactor Regulation *	WHO Guidelines for drinking-water quality
Date of Sampling	November 17, 2014	November 17, 2014	November 17, 2014	November 17, 2014	November 17, 2014	November 17, 2014	November 17, 2014	November 17, 2014	November 17, 2014	November 17, 2014	November 17, 2014		
Time of sampling	6:35 AM	6:38 AM	6:45 AM	7:11 AM	6:52 AM	6:55 AM	7:01 AM	7:08 AM	7:05 AM	5:40 AM	8:49 AM		
Cs-134(Approx. 2 years)	ND(0.57)	ND(1.7)	ND(1.8)	5.4	6.0	6.6	15	17	15	ND(0.47)	ND(1.0)	60	10
Cs-137(Approx.30 years)	ND(0.64)	ND(2.6)	3.4	15	19	20	43	40	54	ND(0.60)	ND(1.2)	90	10
Gross β	13	ND(17)	29	110	140	120	520	620	210	12	ND(18)		
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	Under analysis	60,000	10,000
Sr-90（Approx. 29 years）	–	–	–	–	–	–	–	–	–	–	–	30	10

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, 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 17, 2014	November 17, 2014	November 17, 2014	November 17, 2014	November 17, 2014								
Time of sampling	8:59 AM	9:04 AM	9:08 AM	8:55 AM	7:14 AM								
Cs-134(Approx. 2 years)	ND(1.6)	ND(1.6)	ND(1.3)	ND(1.3)	ND(2.1)							60	10
Cs-137(Approx.30 years)	ND(1.4)	1.3	ND(1.4)	ND(1.1)	5.1							90	10
Gross β	ND(18)	ND(18)	ND(18)	ND(18)	22								
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
The other γ: 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〉
The other γ: 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〉
The other γ: 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〉

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
The other γ: 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
The other γ: 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
The other γ: 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〉	29,000 〈10/3〉	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)	33,000 〈6/2〉	*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〉	13,000 〈8/4〉	Under analysis	2,700,000 〈2/13〉	170,000 〈8/4〉	—	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〉	*2 0.58 〈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	*2 6.5 〈2/11〉	ND	ND	ND	ND	ND	ND	–
The other γ: 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〕	–
The other γ: Co-60 (Approx. 5 years)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–
The other γ: 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 〔2014. 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〉	*2 1,200 〈2/11〉	–	8.3 〔2014. 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 of No. 1-9, 2-5, and 3-5, since September 17, γwas not measured because they are samlpled by sampler. Gross βwere 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	1F, Port entrance
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〉	3.3 〔12/24〕
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〉	7.3 〔10/11〕
Gross β	17 〈1/6〉	46 〔8/19〕	40 〔7/3〕	320 〔8/12〕	140 〈5/5〉 〈7/14〉 〈8/18〉 〈9/1〉	160 〈8/18〉	660 〈6/9〉	680 〈9/22〉	380 〈3/10〉	16 〈6/9〉 〈8/4〉	69 〔8/19〕
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〉	68 〔8/19〕
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〕	49 〔8/19〕

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 〔10/17〕	4.4 〔12/24〕	5.0 〔12/2〕	3.5 〔10/17〕	3.6 〈11/10〉	ND	ND	ND	ND	ND
Cs-137(Approx.30 years)	9.0 〔10/17〕	10.0 〔12/24〕	8.4 〔12/2〕	7.8 〔10/17〕	15 〈11/10〉	ND	0.7 〈10/8〉	1.6 〔10/18〕	ND	ND
Gross β	74 〔8/19〕	60 〔7/4〕	69 〔8/19〕	79 〔8/19〕	58 〈10/7〉	ND	ND	ND	ND	ND
H-3 (Approx. 12 years)	67 〔8/19〕	59 〔8/19〕	52 〔8/19〕	60 〔8/19〕	110 〈11/10〉	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）	—	—	—	—	—	—	—	—	—	—

* 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