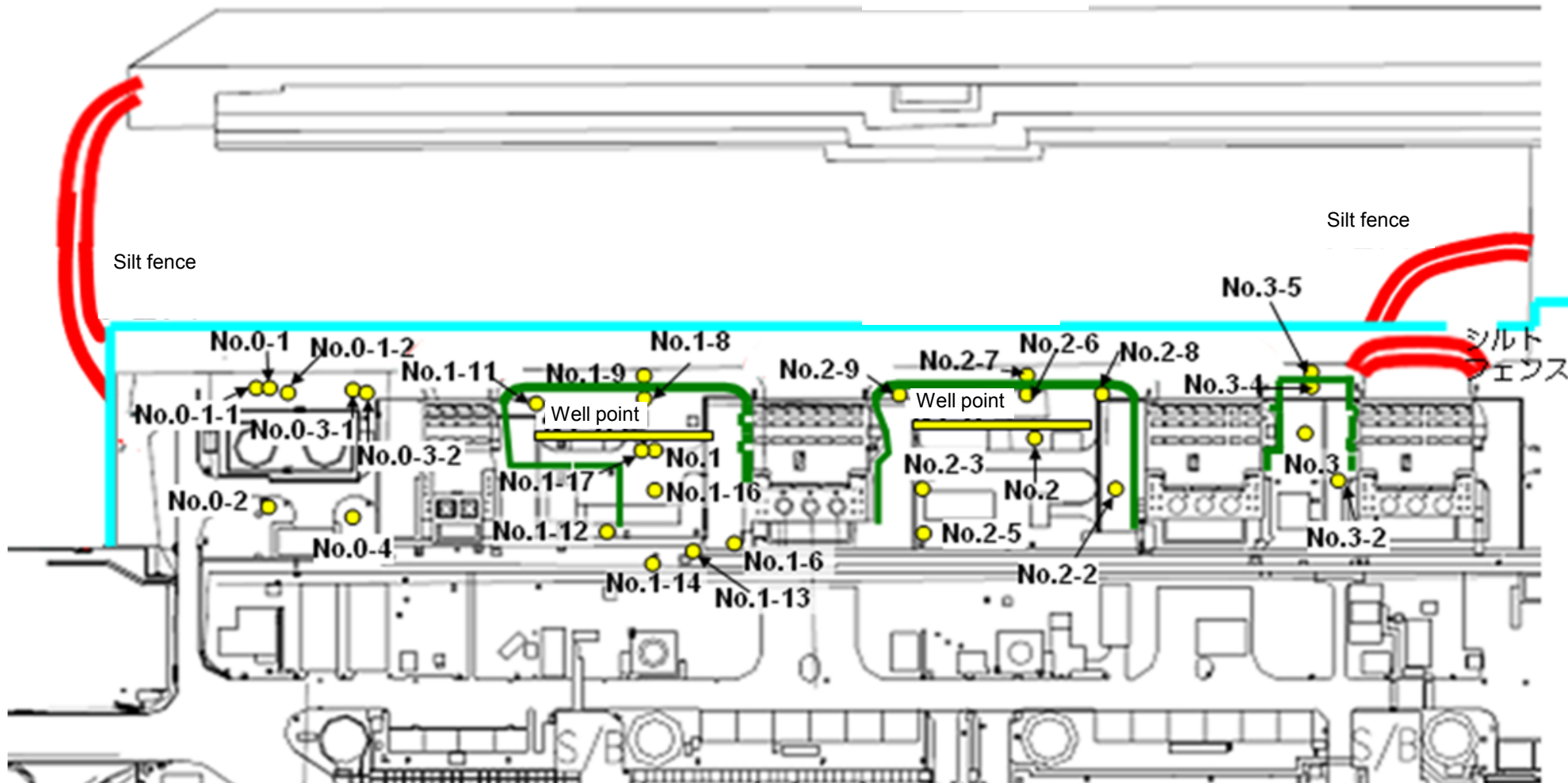


### Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (Sampling Locations of Underground Water Obtained at Bank Protection)

● Sampling locations of underground water obtained at bank protection

East seawall break



— : Seaside impermeable

— : Location where ground improvement construction was completed, or being implemented (as of April 18, 2014)

## Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection 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															
Time of sampling															
Chloride (unit: ppm)															
Cs-134 (Approx. 2 years)															
Cs-137 (Approx.30 years)															
The other γ															
Gross β															
H-3 (Approx. 12 years)															
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	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												Apr 25, 2014		
Time of sampling												10:42 AM		
Chloride (unit: ppm)												-		
Cs-134 (Approx. 2 years)												-		
Cs-137 (Approx.30 years)												-		
The other γ														
Gross β												3,500		
H-3 (Approx. 12 years)												2,400		
Sr-90 (Approx. 29 years)												-		

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

\*\* "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 on in the observation hole No.3-3 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.)

<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 <sup>*</sup>	Groundwater observation hole No.1-2 <sup>*</sup>	Groundwater observation hole No.1-3 <sup>*</sup>	Groundwater observation hole No.1-4 <sup>*</sup>	Groundwater observation hole No.1-5 <sup>*</sup>	Groundwater observation hole No.1-6
Cs-134 (Approx. 2 years)	12 <4/20>	0.61 <3/2>	ND	0.61 [10/13]	0.64 <4/6>	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]	6,300 <3/31>
Cs-137 (Approx.30 years)	33 <4/20>	1.5 <3/2>	0.51 [11/17]	2.2 <1/12>	1.1 <4/6>	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]	16,000 <3/31>
The other γ	Ru-106 (Approx. 370 days)	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	320 <2/13> <2/17>
	Co-60 (Approx. 5 years)	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	1.7 [7/11]	ND	250 [7/15]	1.4 [7/12] [8/26]	ND	12 [8/8]	ND
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 [7/5] [7/9]	160,000 [8/12] [8/15]	380 [8/19]	56,000 [8/5]	770,000 <3/27>
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 <2/6>
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]	-

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.1-16	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 <sup>*</sup>	Groundwater observation hole No.2-2	Groundwater observation hole No.2-3
Cs-134 (Approx. 2 years)	47 [11/25]	170 [9/3]	-	1.1 <1/13>	74 [10/21]	37,000 <2/13>	88 <sup>**</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]	15 <2/12>	2.2 <2/26>
Cs-137 (Approx.30 years)	110 [11/25]	380 [9/3]	-	2.8 <1/13>	170 [10/21]	93,000 <2/13>	230 <sup>**</sup> <2/27>	4.7 <2/17>	1.5 <3/10>	250 [9/23]	2.5 <2/26>	1.1 [8/29] [9/1]	38 <2/12>	5.5 <2/26>
The other γ	Ru-106 (Approx. 370 days)	ND	ND	-	5.4 [10/28]	ND	ND	9.2 [10/28]	5.5 <4/21>	25 [9/2]	ND	ND	ND	ND
	Mn-54 (Approx. 310 days)	12 <2/3>	ND	-	ND	ND	ND	ND	ND	5.9 <3/3>	ND	ND	ND	0.29 [12/6]
	Co-60 (Approx. 5 years)	1.3 <2/3>	ND	-	ND	0.51 [10/24]	ND	ND	0.9 [11/7]	0.61 [11/25]	ND	ND	ND	ND
	Sb-125 (Approx. 3 years)	ND	ND	-	ND	61 [10/21]	ND	ND	14 <4/24>	2.1 [11/25]	ND	ND	ND	ND
Gross β	59,000 <2/3>	2,100 <sup>*2</sup> [11/17]	78 <sup>*2</sup> <1/27>	2,300 [12/26]	730 [10/21]	260,000 <2/12> <2/13>	2,000 <4/24>	3,100,000 <1/30> <2/3>	6,700 <4/21>	700,000 [9/23]	1,700 [7/8]	380 [7/29]	600 <4/16>	1,500 [12/6]
H-3 (Approx. 12 years)	17,000 <4/21>	860 <sup>*2</sup> [11/14]	270,000 <sup>*2</sup> <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]	660 <1/8>	1,700 [12/6]
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]	Under analysis	Under analysis

Unit: Bq/L

	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 <sup>*</sup>	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)	25 <2/12>	17 <3/11>	3.5 <2/23>	0.47 <4/9>	-	2.0 <4/23>	3.5 [7/25]	1.2 [7/25] [8/8]	4.7 <4/23>	-	2.7 <4/16>	64 <1/15>
Cs-137 (Approx.30 years)	62 <2/12>	50 <3/11>	9.0 <2/23>	1.3 <4/9>	0.58 <sup>*2</sup> <2/11>	4.7 <4/23>	5.9 [8/8]	2.6 [8/1]	12 <4/23>	-	7 <4/16>	170 <1/15>
The other γ	Ru-106 (Approx. 370 days)	ND	ND	ND	ND	6.5 <sup>*2</sup> <2/11>	ND	ND	ND	-	ND	-
	Mn-54 (Approx. 310 days)	0.94 <1/8>	ND	ND	ND	-	ND	ND	ND	-	0.54 [10/30]	-
	Co-60 (Approx. 5 years)	ND	ND	ND	ND	-	ND	ND	ND	-	ND	-
	Sb-125 (Approx. 3 years)	30 <2/12> <4/9>	ND	ND	ND	-	ND	1.6 <1/1>	ND	ND	-	ND
Gross β	150,000 <2/12>	3,200 [12/5]	940 <4/23>	4,200 <4/9>	1,700 <sup>*2</sup> <2/7>	240,000 [12/12]	1,400 [7/11]	180 [8/1]	2,300 <4/23>	3,500 <sup>*2</sup> <4/25>	19 <4/16>	300 <4/2>
H-3 (Approx. 12 years)	7,900 <4/9>	1,200 [11/24] [11/27]	1,100 <1/17>	1,700 <4/6>	13,000 <2/7>	5,100 [12/6]	3,200 [2012/12] [12]	460 [8/1]	2,500 <4/18>	Under analysis	170 [9/18]	170 <1/8>
Sr-90(Approx. 29 years)	Under analysis	Under analysis	Under analysis	-	-	-	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. (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.