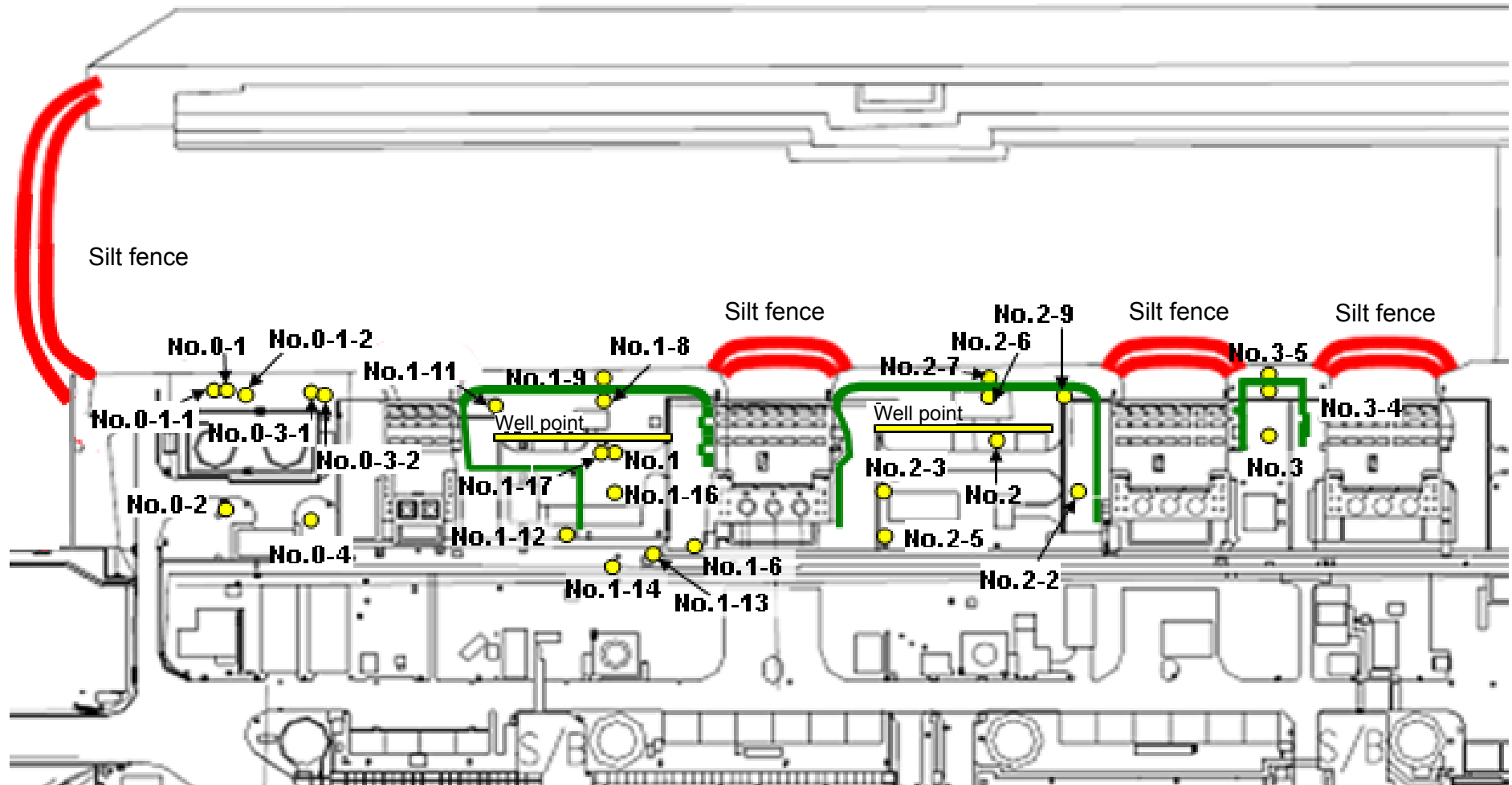


Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (Sampling Locations of Underground Water Obtained at Bank Protection)

● Sampling locations of underground water obtained at bank

East seawall break



— : Location where ground improvement construction was completed, or being implemented (as of January 31, 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.1-13	
Date of sampling													Feb 12, 2014	Feb 13, 2014
Time of sampling													12:10 PM	11:18 AM
Chloride (unit: ppm)													-	
Cs-134 (Approx. 2 years)													22000	37,000 ^{*1}
Cs-137 (Approx.30 years)													54000	93,000 ^{*1}
The other y														
Gross β													260,000	260,000
H-3 (Approx. 12 years)													88,000	Under analysis
Sr-90 (Approx. 29 years)													Under analysis	-

	Underground water observation hole No.1-14	Underground water observation hole No.1-16	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	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														
Time of sampling														
Chloride (unit: ppm)														
Cs-134 (Approx. 2 years)														
Cs-137 (Approx.30 years)														
The other y														
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 February 13.

* "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 dose among the results previously announced in the "Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection".

<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*
Cs-134 (Approx. 2 years)	7.6 [12/15]	ND	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]
Cs-137 (Approx.30 years)	19 *2 <1/26>	0.58 [12/7]	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]
The other y	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
	Mn-54 (Approx. 310 days)	ND	ND	ND	ND	0.62 <2/3>	ND	ND	1.0 [7/5]	62 [7/5]	ND	ND	ND
	Co-60 (Approx. 5 years)	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	1.7 [7/11]	ND	250 [7/15]	1.4 [7/12] [8/26]	ND	12 [8/8]
Gross β	300 [8/22]	21 [12/7]	21 [11/10]	87 [10/13]	ND	67*1 [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]
H-3 (Approx. 12 years)	45,000 [8/29]	18,000 [12/7]	74,000 [12/15] <1/19>	6,400 <1/26>	ND	76,000 <2/6>	48,000 <1/26> <2/3>	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]
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.1-6	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)
Cs-134 (Approx. 2 years)	-	47 [11/25]	170 [9/3]	-	1.1 <1/13>	74 [10/21]	22,000 <2/12>	1.2 *1 [11/14]	3.1 *1 [12/13]	1.2 [12/5]	110 [9/23]
Cs-137 (Approx.30 years)	-	110 [11/25]	380 [9/3]	-	2.8 <1/13>	170 [10/21]	54,000 <2/12>	2.3 [11/21]	3.4 [10/10]	0.66 [12/12]	250 [9/23]
The other y	Ru-106 (Approx. 370 days)	-	ND	ND	-	5.4 [10/28]	ND	ND	9.2 [10/28]	4.1 [12/12]	25 [9/2]
	Mn-54 (Approx. 310 days)	-	12 <2/3>	ND	-	ND	ND	ND	ND	ND	1.1 <2/10>
	Co-60 (Approx. 5 years)	-	1.3 <2/3>	ND	-	0.51 [10/24]	ND	ND	0.9 [11/7]	0.61 [11/25]	ND
	Sb-125 (Approx. 3 years)	-	ND	ND	-	61 [10/21]	ND	ND	11 [12/5]	2.1 [11/25]	ND
Gross β	560,000 *3 <2/6>	59,000 <2/3>	2,100 *3 [11/17]	78 *3 <1/27>	2,300 [12/26]	730 [10/21]	260,000 <2/12>	440 <1/30>	3,100,000 <1/20> <1/30> <2/3>	130 [12/2] [12/23]	700,000 [9/23]
H-3 (Approx. 12 years)	110,000 *3 <2/6>	12,000 <1/6> <2/3>	860 *3 [11/14]	270,000 *3 <1/27>	85,000 [9/13]	440,000 [10/31]	分析中 <2/12>	19,000 <2/3> <2/6>	43,000 [9/26]	32,000 <1/20>	460,000 [8/19]
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	-

Unit: Bq/L

	Groundwater observation hole No.2	Groundwater observation hole No.2-1*	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.2-9	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
Cs-134 (Approx. 2 years)	0.50 [7/9]	0.66 [9/1]	15 <2/12>	0.84 <1/5>	25 <2/12>	0.56 [10/30]	1.5 <1/12>	-	1.1 [12/12]	3.5 [7/25]	1.2 [7/25] [8/8]	1.9 <1/8>	64 <1/15>
Cs-137 (Approx.30 years)	1.2 [7/11] [8/1]	1.1 [8/29] [9/1]	38 <2/12>	2.6 <1/5>	62 <2/12>	0.71 <1/30>	3.6 <1/12>	0.58 *2 <2/11>	2.4 [12/7]	5.9 [8/8]	2.6 [8/1]	4.3 [11/27]	170 <1/15>
The other y	Ru-106 (Approx. 370 days)	ND	ND	ND	ND	ND	ND	6.5 *2 <2/11>	ND	ND	ND	ND	-
	Mn-54 (Approx. 310 days)	ND	ND	ND	0.29 [12/6]	0.94 <1/8>	ND	-	ND	ND	ND	0.54 [10/30]	-
	Co-60 (Approx. 5 years)	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	-
	Sb-125 (Approx. 3 years)	ND	ND	ND	ND	30 <2/12>	ND	ND	-	ND	1.6 <1/1>	ND	ND
Gross β	1,700 [7/8]	380 [7/29]	540 <1/29>	1,500 [12/6]	150,000 <2/12>	3,200 [12/5]	270 [12/20]	1,700 *3 <2/7>	240,000 [12/12]	1,400 [7/11]	180 [8/1]	17 <2/12>	69 <1/29>
H-3 (Approx. 12 years)	870 [12/8]	440 [8/26]	660 <1/8>	1,700 [12/6]	6,300 [12/4]	1,200 [11/24] [11/27]	1,100 <1/17>	13,000 *3 <2/7>	5,100 [12/6]	3,200 [2012/12] [12]	460 [8/1]	170 [9/18]	170 <1/8>
Sr-90(Approx. 29 years)	54 [5/31]	5.9 [7/25]	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	-	-	8.3 [2012/12] [12]	4.4 [7/23]	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.)

*3 The results are for a reference, since the water was highly turbid. (γ and Gross β were measured after filtration. If filtration takes a long time, γ will not be analyzed.)

* "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.