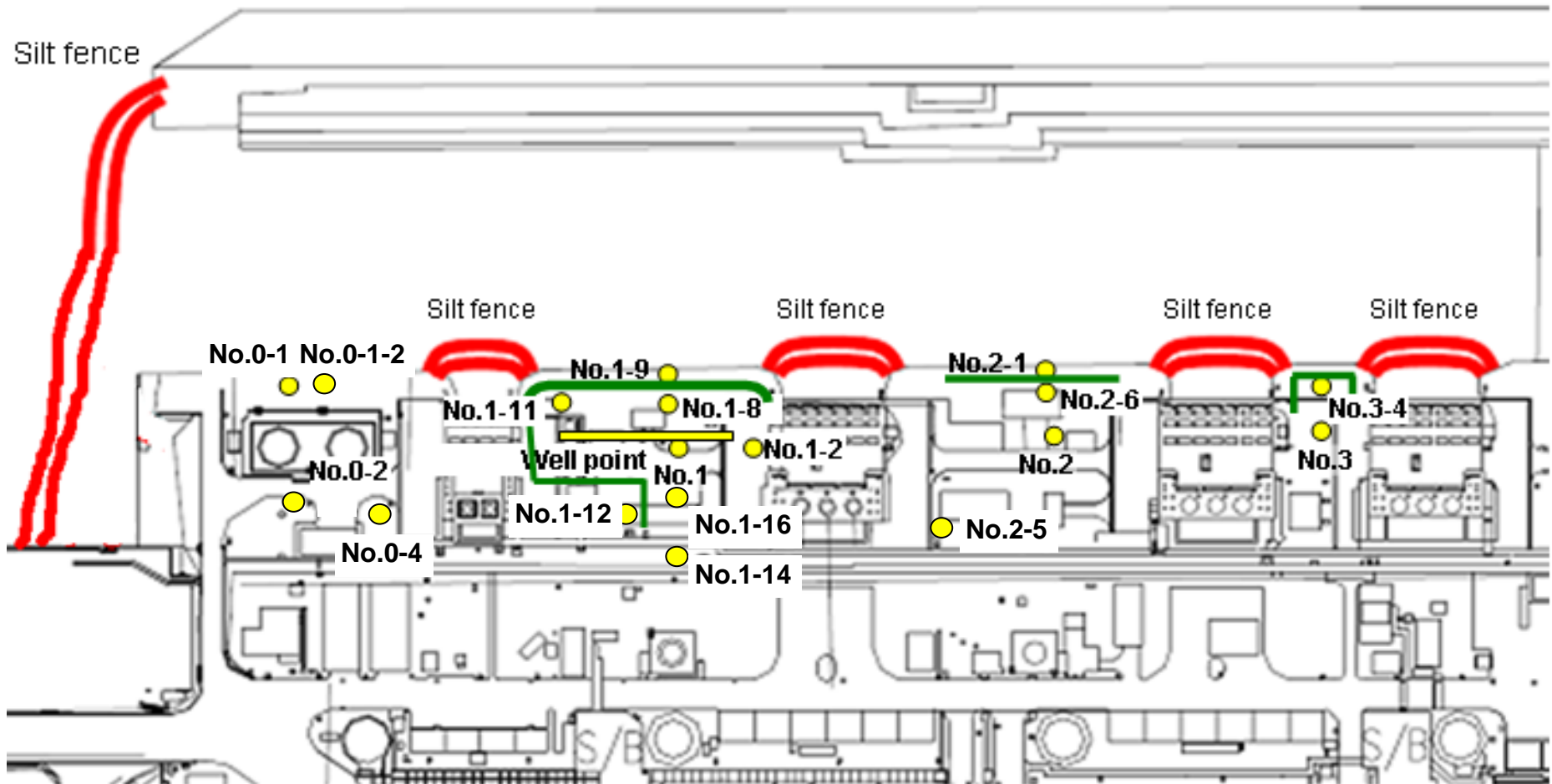


### Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (Sampling Locations of Underground Water Obtained at Bank Protection)

● Sampling locations of underground water obtained at bank protection

East seawall break



— : Location where ground improvement work was completed, or being implemented (as of November 6)

## 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.0-4	Underground water observation hole No.1	Underground water observation hole No.1-2	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	Groundwater pumped up from the well point
Date of sampling				Nov 20, 2013									
Time of sampling				12:44 PM									
Chloride (unit: ppm)				-									
Cs-134 (Approx. 2 years)				ND(0.42)									
Cs-137 (Approx.30 years)				0.86									
The other γ													
All β				ND(21)									
H-3 (Approx. 12 years)				ND(120)									
Sr-90 (Approx. 29 years)				Under analysis									

	Underground water observation hole No.2	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.3	Underground water observation hole No.3-4
Date of sampling				Nov 21, 2013		
Time of sampling				10:35 AM		
Cs-134 (Approx. 2 years)				1.3		
Cs-137 (Approx.30 years)				3.1		
The other γ						
All β				18		
H-3 (Approx. 12 years)				Under analysis		
Sr-90 (Approx. 29 years)				Under analysis		

\* Data announced this time is provided in a thick-frame. The other data was announced on November 20.  
 \* "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.

<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.0-1-2	Groundwater observation hole No.0-2	Groundwater observation hole No.0-3-1	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.1-8
Cs-134 (Approx. 2 years)	6.3 [11/10]	ND	0.61 [10/13]	ND	ND	13 [8/29]	1.9 [7/8]	11,000 [7/9]	10 [9/2]	1.5 [7/8]	310 [8/5]	43 [10/28]
Cs-137 (Approx.30 years)	14 [11/10]	0.51 [11/17]	1.6 [10/13]	0.86 [11/20]	0.48 [11/10]	31 [8/29]	3.6 [7/8]	22,000 [7/9]	24 [9/2]	3.6 [7/8]	650 [8/5]	96 [11/18]
The other y	Ru-106 (Approx. 370 days)	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	1.0 [7/5]	62 [7/5]	ND	ND	ND	5.2 [11/18]
	Co-60 (Approx. 5 years)	ND	ND	ND	ND	0.50 [7/19]	ND	3.1 [7/8]	ND	ND	ND	0.58 [11/18]
	Sb-125 (Approx. 3 years)	ND	ND	ND	ND	1.7 [7/11]	ND	250 [7/15]	1.4 [7/12] [8/26]	ND	12 [8/8]	ND
All β	300 [8/22]	21 [11/10]	87 [10/13]	ND	ND	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]	14,000 [11/18]
H-3 (Approx. 12 years)	45,000 [8/29]	36,000 [11/10]	ND	分析中	19,000 [11/10]	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]	2,700 [11/11]
Sr-90(Approx. 29 years)	Under analysis	Under analysis	Under analysis	Under analysis	1,200 [6/7]	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis

Unit: Bq/L

	Groundwater observation hole No.1-9	Groundwater observation hole No.1-11	Groundwater observation hole No.1-12	Groundwater observation hole No.1-14	Groundwater observation hole No.1-16	Groundwater pumped up from the well point (notch tank)
Cs-134 (Approx. 2 years)	170 [9/3]	0.94 [10/31]	74 [10/21]	1.2 [11/14]	1.6 [11/14]	110 [9/23]
Cs-137 (Approx.30 years)	380 [9/3]	2.0 [10/10] [11/11]	170 [10/21]	2.1 [11/18]	3.4 [10/10]	250 [9/23]
The other y	Ru-106 (Approx. 370 days)	ND	ND	5.4 [10/28]	ND	9.2 [10/28]
	Mn-54 (Approx. 310 days)	ND	ND	ND	ND	ND
	Co-60 (Approx. 5 years)	ND	ND	0.51 [10/24]	ND	0.9 [11/7]
	Sb-125 (Approx. 3 years)	ND	ND	61 [10/21]	ND	8.6 [11/18]
All β	2,100 [11/17]	72 [10/3]	730 [10/21]	33 [11/10]	880,000 [10/14]	700,000 [9/23]
H-3 (Approx. 12 years)	860 [11/14]	85,000 [9/13]	440,000 [10/31]	3,600 [11/14]	43,000 [9/26]	460,000 [8/19]
Sr-90(Approx. 29 years)	Under analysis	Under analysis	Under analysis [10/21]	Under analysis	Under analysis	—

Unit: Bq/L

	Groundwater observation hole No.2	Groundwater observation hole No.2-1*	Groundwater observation hole No.2-5 <sup>*1</sup>	Groundwater observation hole No.2-6	Groundwater observation hole No.3	Groundwater observation hole No.3-1	Groundwater observation hole No.3-4
Cs-134 (Approx. 2 years)	0.50 [7/9]	0.66 [9/1]	3.9 [11/7]	0.56 [10/30]	3.5 [7/25]	1.2 [7/25] [8/8]	1.8 [10/30]
Cs-137 (Approx.30 years)	1.2 [7/11] [8/1]	1.1 [8/29] [9/1]	10 [9/29]	0.61 [10/13]	5.9 [8/8]	2.6 [8/1]	3.8 [10/30]
The other y	Ru-106 (Approx. 370 days)	ND	ND	ND	ND	ND	ND
	Mn-54 (Approx. 310 days)	ND	ND	0.77 [9/29]	ND	ND	0.54 [10/30]
	Co-60 (Approx. 5 years)	ND	ND	ND	ND	ND	ND
	Sb-125 (Approx. 3 years)	ND	ND	26 [9/29]	ND	1.1 [9/5]	ND
All β	1,700 [7/8]	380 [7/29]	46,000 [9/29]	2,100 [11/17]	1,400 [7/11]	180 [8/1]	ND
H-3 (Approx. 12 years)	850 [6/26]	440 [8/26]	3,100 [11/7]	1,100 [10/13] [10/17] [11/6] [11/10] [11/13]	3,200 [2012/12/12]	460 [8/1]	170 [9/18]
Sr-90(Approx. 29 years)	54 [5/31]	Under analysis	Under analysis	Under analysis	8.3 [2012/12/12]	Under analysis	Under analysis

\*1 Although we previously announced the analysis result of γ and all β on September 29, we have reanalyze the sample.

The analysis result of No.2-5 is the reference value, since we could not sample groundwater by a regular procedure.

\* "ND" indicates that the measurement result is below the detection limit.

\* Date of sampling is provided in parentheses.

\* "\*" is provided next to the name of the holes where the sampling could not be performed due to the chemical injection of ground improvement.