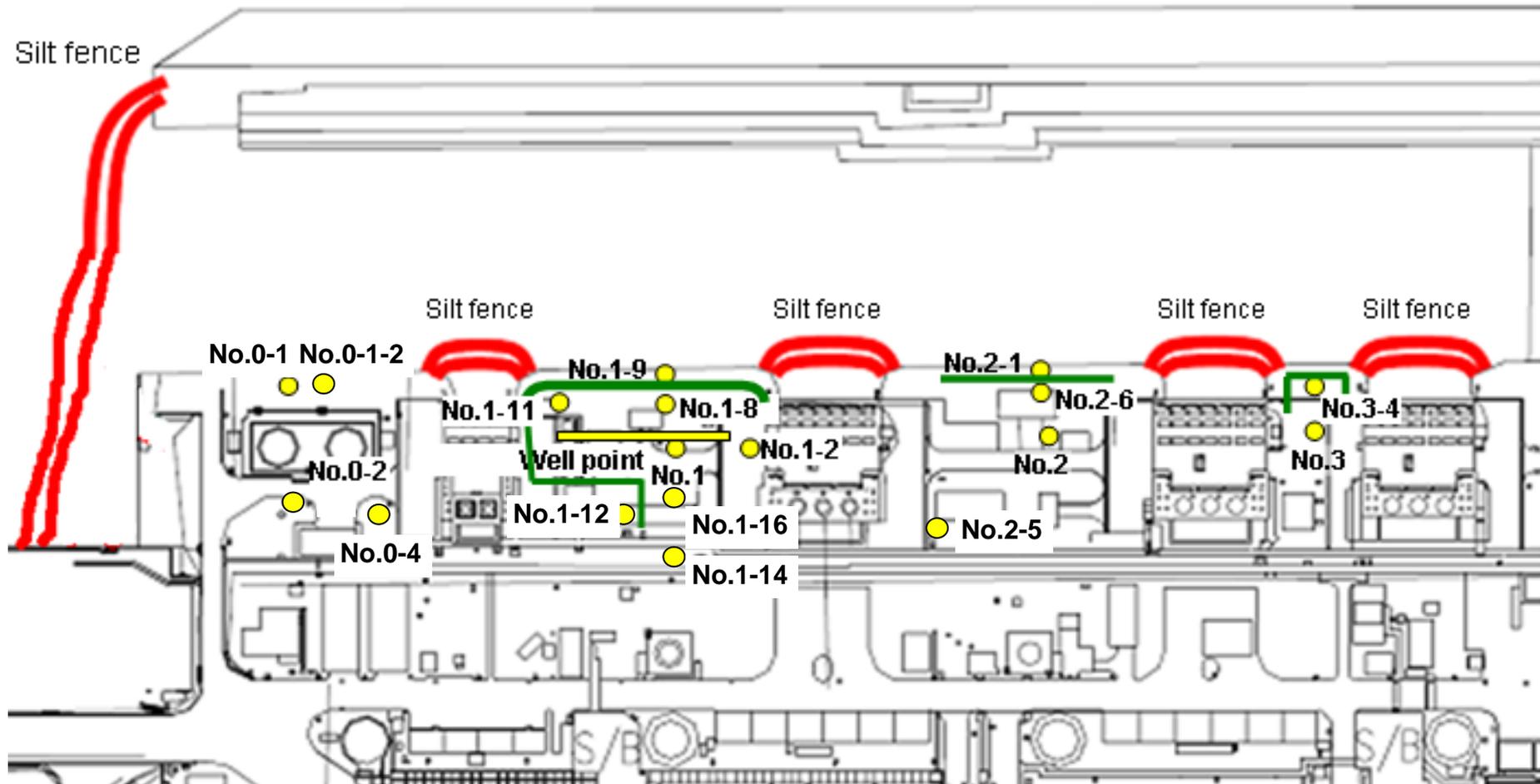


### Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (Sampling Locations of Underground Water Obtained at Bank Protection)

● 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 (1/2) 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													
Time of sampling													
Chloride (unit: ppm)													
Cs-134 (Approx. 2 years)													
Cs-137 (Approx.30 years)													
The other γ													
All β													
H-3 (Approx. 12 years)													
Sr-90 (Approx. 29 years)													

	Underground water observation hole No.2	Underground water observation hole No.2-1	Underground water observation hole No.2-5	Underground water observation hole No.2-6	Underground water observation hole No.3	Underground water observation hole No.3-4
Date of sampling	Nov 10, 2013			Nov 10, 2013		
Time of sampling	9:30 AM			9:54 AM		
Cs-134 (Approx. 2 years)	ND(0.39)			ND(0.40)		
Cs-137 (Approx.30 years)	0.82			ND(0.57)		
The other γ						
All β	250			1,900		
H-3 (Approx. 12 years)	630			1,100		
Sr-90 (Approx. 29 years)	-			-		

\* Data announced this time is provided in a thick-frame. The other data was announced on November 11.  
 \* "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.

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

	Underground water observation hole No.2	Underground water observation hole No.2-1	Underground water observation hole No.2-5	Underground water observation hole No.2-6	Underground water observation hole No.3	Underground water observation hole No.3-4
Date of sampling	Nov 13, 2013			Nov 13, 2013		Nov 13, 2013
Time of sampling	9:16 AM			9:50 AM		10:50 AM
Cs-134 (Approx. 2 years)	ND(0.39)			ND(0.44)		1.5
Cs-137 (Approx.30 years)	0.76			ND(0.55)		3.6
The other γ						
All β	320			2,000		ND(17)
H-3 (Approx. 12 years)	Under analysis			Under analysis		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.  
\* "-" 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.0-4	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	Groundwater observation hole No.1-9
Cs-134 (Approx. 2 years)	6.3 [ 11/10]	ND	0.61 [ 10/13]	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]	170 [ 9/3]
Cs-137 (Approx.30 years)	14.0 [ 11/10]	ND	1.6 [ 10/13]	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]	95 [ 10/28]	380 [ 9/3]
The other y	Ru-106 (Approx. 370 days)	ND	ND	ND	26 [ 5/24]	7.9 [ 7/8]	160 [ 8/15]	17 [ 7/22] [ 8/8]	3.1 [ 8/8]	ND	ND	ND
	Mn-54 (Approx. 310 days)	ND	ND	ND	ND	1.0 [ 7/5]	62 [ 7/5]	ND	ND	ND	3.6 [ 11/11]	ND
	Co-60 (Approx. 5 years)	ND	ND	ND	0.50 [ 7/19]	ND	3.1 [ 7/8]	ND	ND	ND	0.44 [ 10/28]	ND
	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	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]	11,000 [ 10/28] [ 11/11]	600 [ 9/8]
H-3 (Approx. 12 years)	45,000 [ 8/29]	36000 [ 11/10]	ND	17,000 [ 11/3]	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]	2,500 [ 10/14]	770 [ 10/1]
Sr-90(Approx. 29 years)	Under analysis	Under analysis	Under analysis	Under analysis	1,200 [ 6/7]	Under analysis						

Unit: Bq/L

	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)	0.94 [ 10/31]	74 [ 10/21]	0.84 [ 11/10]	1.5 [ 10/3]	110 [ 9/23]
Cs-137 (Approx.30 years)	2.0 [ 10/10] [ 11/11]	170 [ 10/21]	2.0 [ 11/10]	3.4 [ 10/10]	250 [ 9/23]
The other y	Ru-106 (Approx. 370 days)	ND	5.4 [ 10/28]	ND	9.2 [ 10/28]
	Mn-54 (Approx. 310 days)	ND	ND	ND	ND
	Co-60 (Approx. 5 years)	ND	0.51 [ 10/24]	ND	0.9 [ 11/7]
	Sb-125 (Approx. 3 years)	ND	61 [ 10/21]	ND	7.5 [ 11/11]
All β	72 [ 10/3]	730 [ 10/21]	33 [ 11/10]	880,000 [ 10/14]	700,000 [ 9/23]
H-3 (Approx. 12 years)	85,000 [ 9/13]	440,000 [ 10/31]	2600 [ 11/10]	43,000 [ 9/26]	460,000 [ 8/19]
Sr-90(Approx. 29 years)	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]	1,900 [ 11/10]	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]	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 y 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.