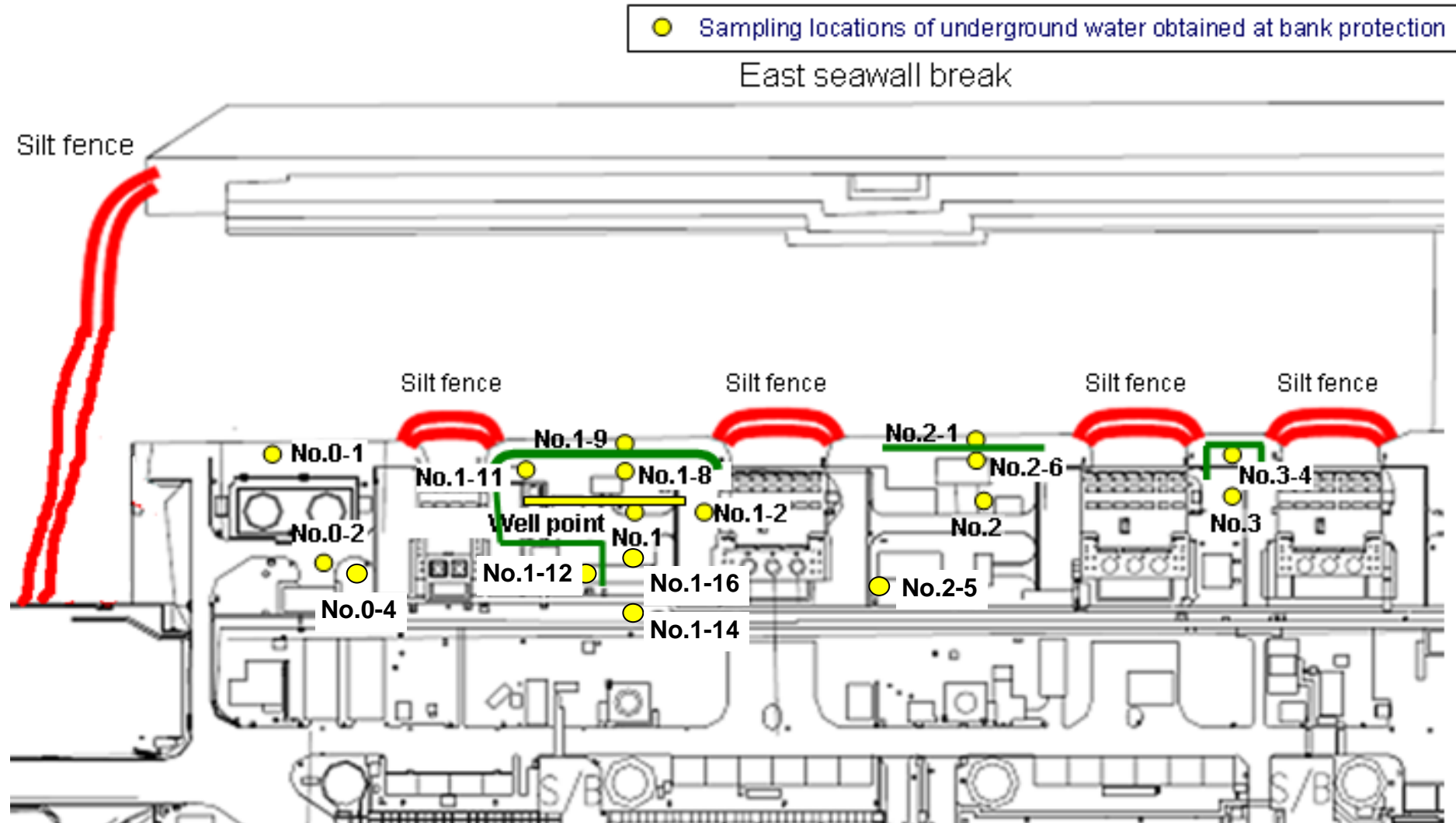


### Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (Sampling Locations of Underground Water Obtained at Bank Protection)



● Sampling locations of underground water obtained at bank protection

East seawall break

Silt fence

Silt fence

Silt fence

Silt fence

Silt fence

No.0-1

No.0-2

No.0-4

No.1-9

No.1-11

Well point

No.1-12

No.1-8

No.1

No.1-16

No.1-14

No.1-2

No.2-1

No.2

No.2-5

No.2-6

No.3-4

No.3

— : 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 10, 2013									Nov 10, 2013		
Time of sampling		12:42 PM									12:30 PM		
Chloride (unit: ppm)		-									-		
Cs-134 (Approx. 2 years)		ND(0.42)									0.84		
Cs-137 (Approx.30 years)		ND(0.52)									2.0		
The other γ													
All β		21								33			
H-3 (Approx. 12 years)		Under analysis									Under analysis		
Sr-90 (Approx. 29 years)		Under analysis									Under analysis		

	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						
Time of sampling						
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)						

\* "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.0-2	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	Groundwater observation hole No.1-11	Groundwater observation hole No.1-12	Groundwater observation hole No.1-16	Groundwater pumped up from the well point (notch tank)	
Cs-134 (Approx. 2 years)	5.1 (10/20)	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)	0.94 (10/31)	74 (10/21)	1.5 (10/3)	110 (9/23)	
Cs-137 (Approx.30 years)	9.5 (10/20)	1.6 (10/13)	ND	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)	2.0 (10/10)	170 (10/21)	3.4 (10/10)	250 (9/23)	
The other γ	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	ND	5.4 (10/28)	9.2 (10/28)	25 (9/2)
	Mn-54 (Approx. 310 days)	ND	ND	ND	ND	1.0 (7/5)	62 (7/5)	ND	ND	ND	2.6 (10/28)	ND	ND	ND	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	ND	0.51 (10/24)	0.9 (11/7)	ND
	Sb-125 (Approx. 3 years)	ND	ND	ND	1.7 (7/11)	ND	250 (7/15)	1.4 (7/12) (8/26)	ND	12 (8/8)	ND	ND	ND	61 (10/21)	5.8 (11/7)	ND
All β	300 (8/22)	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)	600 (9/8)	72 (10/3)	730 (10/21)	880,000 (10/14)	700,000 (9/23)	
H-3 (Approx. 12 years)	45,000 (8/29)	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)	85,000 (9/13)	440,000 (10/31)	43,000 (9/26)	460,000 (8/19)	
Sr-90(Approx. 29 years)	Under analysis	Under analysis	Under analysis	1,200 (6/7)	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis (10/21)	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 γ	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)	1,700 (11/6)	1,400 (7/11)	180 (8/1)	ND
H-3 (Approx. 12 years)	850 (8/26)	440 (8/26)	1,500 (9/29)	1,100 (10/13) (10/17)	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.