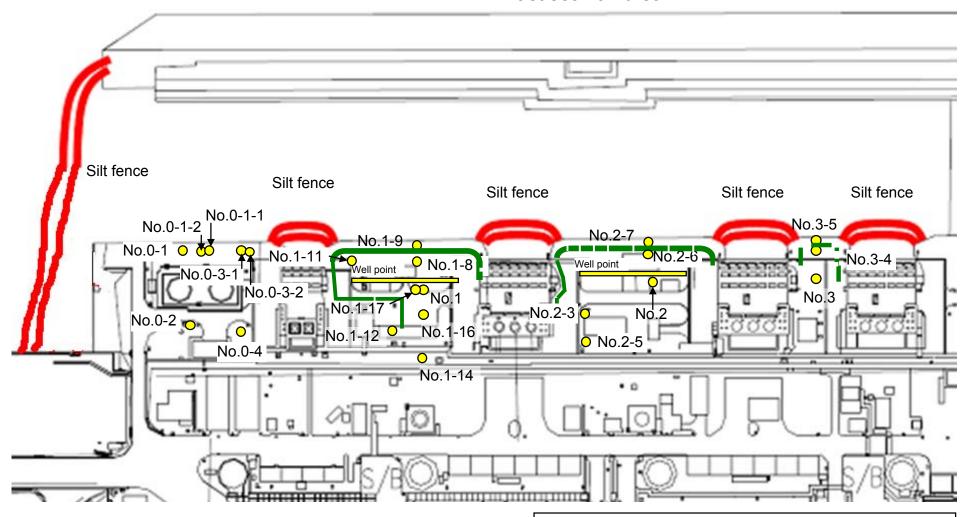
Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (Sampling Locations of Underground Water Obtained at Bank Protection)

Sampling locations of underground water obtained at bank

East seawall break



: Location where ground improvement construction was completed, or being implemented (as of December 4)

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: Bg/L (exclude chlorid

	Underground water observation hole No.0-1	Underground water observation hole No.0-1-1	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.1-8	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
Date of sampling		/	1 /	/	/	Dec 24, 2013	/	/	1 /	/	1	1	
Time of sampling						11:30 AM							/
Chloride (unit: ppm)						-							
Cs-134 (Approx. 2 years)						ND(0.44)							
Cs-137 (Approx.30 years)						ND(0.50)							
Γhe her γ													
Tot y													
Gross β						ND(18)							
H-3 (Approx. 12 years)				/		62,000	1/			/		/	/
Sr-90 (Approx. 29 years)	/					-		/	/				/

		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.2-3	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	/		/	Dec 22, 2013	Dec 22, 2013	/	1 /	Dec 23, 2013	/	/	1	1
	Time of sampling				9:42 AM	10:37 AM			9:25 AM				
	Chloride (unit: ppm)				-	-			550				
Cs	s-134 (Approx. 2 years)				ND(0.45)	ND(0.37)			ND(0.39)				
Cs	s-137 (Approx.30 years)				ND(0.51)	ND(0.50)			1.2				
The other y													
·													
	Gross β				410	1,200			31				
H	H-3 (Approx. 12 years)				780	1,300			710				
Sr	r-90 (Approx. 29 years)	/	V	/	-	-			-		/	/	

^{*} Data announced this time is provided in a thick-frame. The other data was announced on December 23, 24 and 25.

^{* &}quot;ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

^{* &}quot;-" 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: Bg/L (exclude chloric

		Underground Underground water observation hole No.0-1 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.1-8	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
	Date of sampling		/	1	/	1 /	Dec 25, 2013	/	/	/	1	/	1 /	
	Time of sampling						2:20 PM							/
	Chloride (unit: ppm)						-							
Cs-134 (Approx. 2 years)							ND(0.35)							
Cs	-137 (Approx.30 years)						ND(0.45)							
The other y														
oo. 1														
	Gross β						ND(18)							
Н	I-3 (Approx. 12 years)				/		Under analysis							
Sr-	-90 (Approx. 29 years)	/	/	/	/	/	-			/				

		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.2-3	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	/		/	Dec 25, 2013	Dec 25, 2013	/	1 /	Dec 25, 2013	/	Dec 25, 2013	Dec 25, 2013	Dec 25, 2013
	Time of sampling				9:23 AM	10:32 AM			9:56 AM		9:26 AM	11:48 AM	9:20 AM
	Chloride (unit: ppm)				-	-			-		-	-	-
Cs	s-134 (Approx. 2 years)				ND(0.39)	ND(0.43)			0.39		1.1	1.6	15
Cs	s-137 (Approx.30 years)				ND(0.52)	1.2			1.1		2.6	4.1	36
					ND	ND			ND		1.5	ND	ND
The other y													
	Gross β				370	1,200			ND(21)		130	ND(21)	ND(21)
H	H-3 (Approx. 12 years)				Under analysis	Under analysis			Under analysis		Under analysis	Under analysis	Under analysis
Sr-	-90 (Approx. 29 years)	/	/		-	-			-		-	-	-

^{* &}quot;ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

^{* &}quot;-" indicates that the measurement was out of range.

		Groundwater observation hole No.0-1		Groundwater observation hole No.0-1-1		observa	dwater tion hole 0-1-2	Groundwater observation hole No.0-2		Groundwater observation hole No.0-3-1		Groundwater observation hole No.0-3-2		observa	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*		dwater tion hole 1-4*	Groundwater observation hole No.1-5*	
(s-134 (Approx. 2 years)	7.6	[12/15]	ND		ND		0.61	[10/13]	0.44	[11/24]	ND		ND		13	[8/29]	1.9	[7/8]	11,000	[7/9]	10	[9/2]	1.5	[7/8]	310	[8/5]
C	s-137 (Approx.30 years)	17	[12/15]	0.58	[12/7]	0.51	[11/17]	1.6	[10/13]	0.86	[11/20]	0.54	[12/6]	0.49	[12/1]	31	[8/29]	3.6	[7/8]	22,000	[7/9]	24	[9/2]	3.6	[7/8]	650	[8/5]
	Ru-106 (Approx. 370 days)	ND		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	
The	Mn-54 (Approx. 310 days)	ND		ND		ND		ND		ND		ND		ND		ND		1.0	(7/5)	62	[7/5]	ND		ND		ND	
other y	Co-60 (Approx. 5 years)	ND		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		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 ^{*2}	[12/11]	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)
	H-3 (Approx. 12 years)	45,000	[8/29]	18,000	[12/7]	74,000	[12/15]	2,500	[12/15]	ND		69000 ^{*2}	(12/17) (12/19)	20,000	(12/1) (12/8) (12/15)	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)
	6r-90(Approx. 29 years)	Under analysis		Under analysis		Under analysis		Under analysis		Under analysis		Under analysis		Under analysis		1,200	[6/7]	Under analysis		Under analysis		Under analysis		Under analysis		Under analysis	

Unit: Bq/L Groundwater Groundwater Groundwater Groundwater Groundwater Groundwater Groundwater Groundwater pumped up from observation hole the well point No.1-8 No.1-9 No.1-11 No.1-12 No.1-14 No.1-16 No.1-17 (between Unit 1 and 2) Cs-134 (Approx. 2 years) 47 [11/25] 170 [9/3] 0.94 [10/31] 74 [10/21] 1.2 [11/14] 3.1^{*2} [12/13] [12/5] [9/23] 1.2 110 Cs-137 (Approx.30 years) 2.3 110 [11/25] 380 [9/3] 2.2 [12/2] 170 [10/21] [11/21] 3.4 [10/10] 0.66 [12/12] 250 [9/23] Ru-106 (Approx. 370 days) ND ND ND 5.4 [10/28] ND 9.2 [10/28] [12/12] 25 [9/2] 4.1 9.7 [12/16] ND ND ND ND ND ND ND Mn-54 (Approx. 310 days) The other v Co-60 (Approx. 5 years) 0.63 [12/23] ND ND [10/24] ND 0.9 [11/7] 0.61 [11/25] ND 0.51 Sb-125 (Approx. 3 years) ND ND ND 61 [10/21] ND 11 [12/5] 2.1 [11/25] ND [12/2] Gross β 31,000 [12/16] 2,100 [11/17] 72 [10/3] 730 [10/21] 250 [12/23] 1,900,000 [12/19] 130 700,000 [9/23] [12/23] H-3 (Approx. 12 years) [12/9] [11/14] [9/13] [12/19] [8/19] 9,100 860 85,000 440,000 [10/31] [11/25] (9/26) 18,000 460,000 11,000 43,000 Under Under Under Under Under Under Under Sr-90(Approx. 29 years) [10/21] analysis analysis analysis analysis analysis analysis 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*1		Groundwater observation hole No.2-6		Groundwater observation hole No.2-7		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		observa	ndwater ation hole 0.3-5
(Cs-134 (Approx. 2 years)	0.50	[7/9]	0.66	[9/1]	11	[12/25]	ND		5.2	[12/4]	0.56	[10/30]	1.3	[11/21]	1.1	[12/12]	3.5	(7/25)	1.2	(7/25) (8/8)	1.8	[10/30]	29	[12/18]
(s-137 (Approx.30 years)	1.2	(7/11) (8/1)	1.1	(8/29) (9/1)	26	[12/25]	0.49	[12/6]	12	[12/4]	0.61	[10/13]	3.1	[11/21]	2.4	[12/7]	5.9	[8/8]	2.6	[8/1]	4.3	[11/27]	74	[12/18]
	Ru-106 (Approx. 370 days)	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		-	
The	Mn-54 (Approx. 310 days)	ND		ND		ND		0.29	[12/6]	0.87	[12/4]	ND		ND		ND		ND		ND		0.54	[10/30]	-	
other \	Co-60 (Approx. 5 years)	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		-	
	Sb-125 (Approx. 3 years)	ND		ND		ND		ND		26	[9/29]	ND		ND		ND		1.1	[9/5]	ND		ND		-	
	Gross β	1,700	(7/8)	380	[7/29]	520	[12/25]	1,500	[12/6]	46,000	[9/29]	3,200	[12/5]	270	[12/20]	240,000	[12/12]	1,400	(7/11)	180	[8/1]	ND		43	[12/18]
	H-3 (Approx. 12 years)	870	[12/8]	440	[8/26]	Under analysis		1,700	[12/6]	6,300	[12/4]	1,200	[11/24] [11/27]	1,000	(11/21) (12/4)	5,100	[12/6]	3,200	(2012/12/ 12)	460	[8/1]	170	(9/18)	160	[12/18]
	Sr-90(Approx. 29 years)	54	[5/31]	Under analysis		Under analysis		Under analysis		Under analysis		Under analysis		Under analysis		-		8.3	(2012/12/ 12)	Under analysis		Under analysis		-	

^{*1} The analysis result of No.2-5 obtained on September 29 is the reference value, since we could not sample groundwater by a regular procedure

^{*2} Since the water of No.3-5 was highly turbid, only chloride, Gross β and tritium were analyzed as a reference

^{* &}quot;ND" indicates that the measurement result is below the detection limit.

^{*} Date of sampling is provided in parentheses.

^{* &}quot;*" is provided next to the name of the holes where the sampling could not be performed due to the chemical injection of ground improvement.

The underlined part was corrected on January 10, 2014.