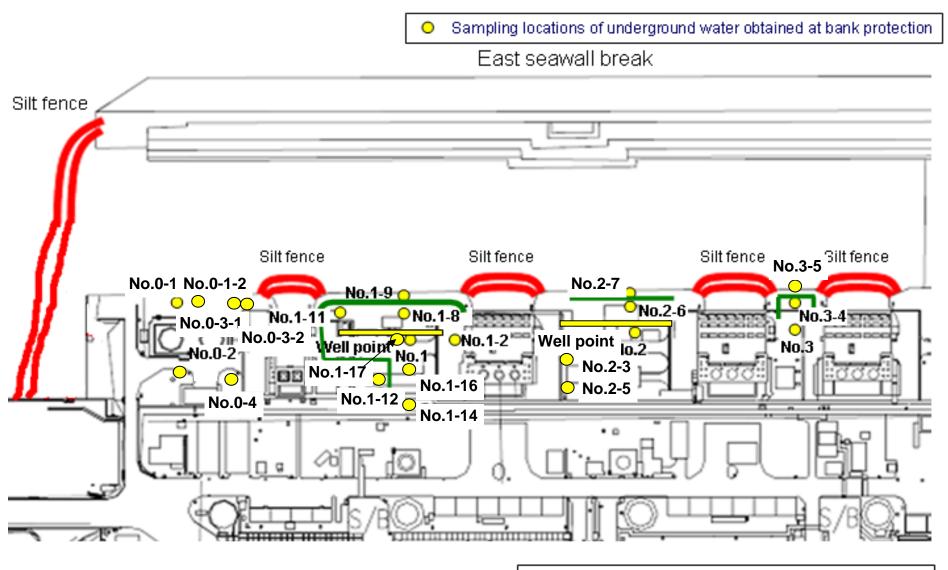
Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (Sampling Locations of Underground Water Obtained at Bank Protection)



 Location where ground improvement work 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

Date of complier		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.0-4	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	Underground	Underground water observation hole No.1-17
	Date of sampling		/	1 /	/	/	/	1 /	1	/	/	1 /	1 /	/
	Time of sampling													
	Chloride (unit: ppm)													
Cs	s-134 (Approx. 2 years)													
Cs	s-137 (Approx.30 years)													
The other y														
ou.o. y														
	Gross β													
F	H-3 (Approx. 12 years)	1/												
Sr	-90 (Approx. 29 years)				/	/		/		/	/	/		/

		Groundwater pumped up from the well point (between Unit 1 and 2)	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	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 4, 2013	Dec 5, 2013	/	/	
	Time of sampling					10:05 AM	10:10 AM			
	Chloride (unit: ppm)					740	-			
C	s-134 (Approx. 2 years)					0.57	ND(0.44)			
Cs	s-137 (Approx.30 years)					1.6	1.1			
The other y										
	Gross β					ND(18)	170,000			
ŀ	H-3 (Approx. 12 years)					1,000	4,800			
Sr	r-90 (Approx. 29 years)	/	V	/		-	-		/	/

^{*} Data announced this time is provided in a thick-frame. The other data was announced on December 5 and 6.

^{* &}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 chlorid

													Offit. Bq/i	L (exclude chloride)
Date of counting		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.0-4	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	Underground water observation hole No.1-16	Underground water observation hole No.1-17
	Date of sampling	/	1	1 /	/	/	/	1 /	1 /	Dec 6, 2013	/	1	1 /	1 /
	Time of sampling									11:46 AM				
	Chloride (unit: ppm)									-				
Cs	s-134 (Approx. 2 years)									ND(0.47)				
Cs	s-137 (Approx.30 years)									1.1				
The other y														
	Gross β									64				
F	H-3 (Approx. 12 years)									Under analysis				
Sr-	r-90 (Approx. 29 years)		/						/	-		/		

		Groundwater pumped up from the well point (between Unit 1 and 2)	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	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 6, 2013	Dec 6, 2013	/	/	
	Time of sampling					10:11 AM	10:05 AM			
	Chloride (unit: ppm)					730	-			
C	s-134 (Approx. 2 years)					ND(0.51)	0.69			
Cs	s-137 (Approx.30 years)					1.8	1.7			
The other y										
	Gross β					ND(18)	180,000			
H	H-3 (Approx. 12 years)					Under analysis	Under analysis			
Sr	r-90 (Approx. 29 years)	V	V			-	-	/	/	

^{* &}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.

<Reference> The Highest Dose Until the Previous Measurement (Groundwater Obtained at Bank Protection)

Jnit: I	Bq/l
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			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.0-3-2		Groundwater observation hole No.0-4		Groundwater observation hole No.1		Groundwater observation hole No.1-1*		dwater ion hole 1-2*	Groundwater observation hole No.1-3*		Groundwater observation hole No.1-4*		Groundwater observation hole No.1-5*	
(s-134 (Approx. 2 years)	6.5	[12/1]	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)	16	[12/1]	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		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		1.0	[7/5]	62	[7/5]	ND		ND		ND	
other	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	[11/10]	87	[10/13]	ND		19	[12/6]	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]	65,000	[12/1]	1,100	[12/1]	ND		分析中		20,000	[12/1]	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)	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 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.1-14		dwater ion hole I-16	Groundwater observation hole No.1-17		Ground pumped u well point Unit 1	p from the (between
C	s-134 (Approx. 2 years)	47	[11/25]	170	[9/3]	0.94	[10/31]	74	[10/21]	1.2	[11/14]	1.6	[11/14]	<u>1.2</u>	[12/5]	110	[9/23]
Cs	Cs-137 (Approx.30 years)		[11/25]	380	[9/3]	2.2	[12/2]	170	[10/21]	2.3	[11/21]	3.4	[10/10]	0.55	[12/5]	250	[9/23]
	Ru-106 (Approx. 370 days)	ND		ND		ND		5.4	[10/28]	ND		9.2	[10/28]	4.0	(11/22) (11/28)	25	[9/2]
The	Mn-54 (Approx. 310 days)	7.1	(11/25) (12/2)	ND		ND		ND		ND		ND		ND		ND	
other y	Co-60 (Approx. 5 years)	0.58	[11/18]	ND		ND		0.51	[10/24]	ND		0.9	[11/7]	0.61	[11/25]	ND	
	Sb-125 (Approx. 3 years)	ND		ND		ND		61	[10/21]	ND		11	[12/5]	2.1	[11/25]	ND	
	Gross β	18,000	[11/25]	2,100	[11/17]	72	[10/3]	730	[10/21]	160	(11/21) (12/5)	1,400,000	[12/5]	<u>130</u>	[12/2]	700,000	[9/23]
ŀ	H-3 (Approx. 12 years)	7,500	[12/2]	860	[11/14]	85,000	[9/13]	440,000	[10/31]	11,000	[11/25]	43,000	(9/26)	15,000	[12/2]	460,000	(8/19)
S	Sr-90(Approx. 29 years)			Under analysis		Under analysis		Under analysis	[10/21]	Under analysis		Under analysis		Under analysis		-	

													Ur										
	Ce-134 (Approx 2 years)		dwater tion hole 0.2	Groundwater observation hole No.2-1*		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.3-1*		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]	ND		5.2	[12/4]	0.56	[10/30]	1.3	[11/21]	0.75	[12/4]	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)	0.49	[12/6]	12	[12/4]	0.61	[10/13]	3.1	[11/21]	1.5	[12/4]	5.9	(8/8)	2.6	[8/1]	4.3	[11/27]	-	
	Ru-106 (Approx. 370 days)	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		-	
The	Mn-54 (Approx. 310 days)	ND		ND		0.29	[12/6]	0.87	[12/4]	ND		ND		ND		ND		ND		0.54	[10/30]	-	
othe	Co-60 (Approx. 5 years)	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1	
	Sb-125 (Approx. 3 years)	ND		ND		ND		26	[9/29]	ND		ND		ND		1.1	(9/5)	ND		ND		-	
	Gross β	1,700	[7/8]	380	[7/29]	1,500	[12/6]	46,000	[9/29]	3,200	[12/5]	18	[11/21]	170,000	[12/5]	1,400	(7/11)	180	[8/1]	ND		35*2	[11/27]
	H-3 (Approx. 12 years)	850	[6/26]	440	[8/26]	分析中		3,100	[11/7]	1,200	(11/24) (11/27)	1,000	[11/21]	3,100	[12/4]	3,200	(2012/12/ 12)	460	[8/1]	170	(9/18)	ND ^{*2}	
	Sr-90(Approx. 29 years)	54	[5/31]	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 obtained on November 23 and 27 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.