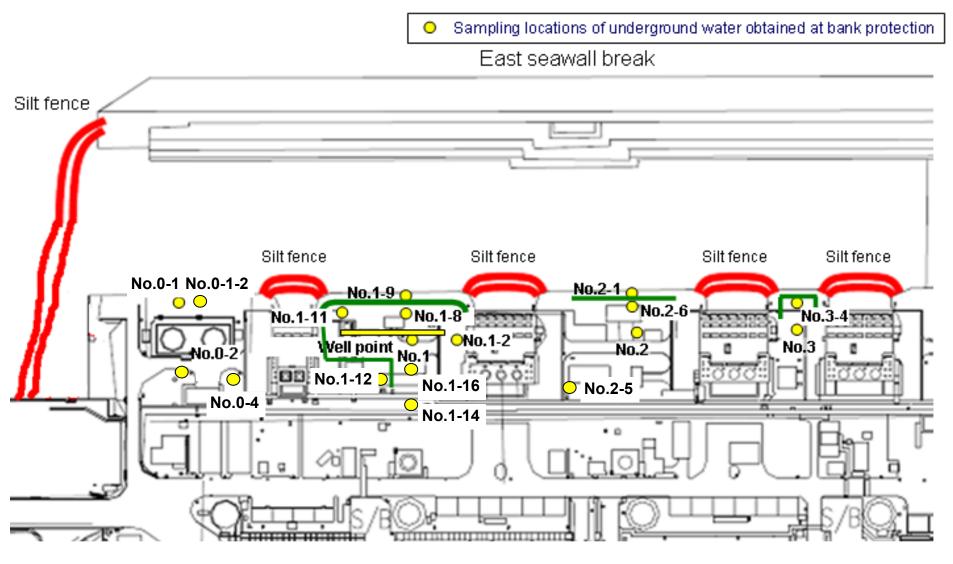
Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (Sampling Locations of Underground Water Obtained at Bank Protection)



: Location where ground improvement work was completed, or being implemented (as of 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	/	/	1 /		/	/	1 /	Nov 18, 2013	/	1 /	/	1 /	/
	Time of sampling								5:55 AM					
	Chloride (unit: ppm)								360					
С	s-134 (Approx. 2 years)								9					
C	s-137 (Approx.30 years)								23					
The other y														
ou.o. 1														
	ΑΙΙ β								470					
ı	H-3 (Approx. 12 years)	1/	/						550					
Sı	r-90 (Approx. 29 years)	/	/		/		/		-			/		/

		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.3	Underground water observation hole No.3-4
	Date of sampling	Nov 17, 2013	/	Nov 17, 2013	/	/
	Time of sampling	9:20 AM		9:45 AM		
Cs	s-134 (Approx. 2 years)	ND(0.44)		ND(0.40)		
Cs	-137 (Approx.30 years)	0.84		0.60		
The other y						
·						
	ΑΙΙ β	270		2,100		
H	H-3 (Approx. 12 years)	710		980		
Sr	-90 (Approx. 29 years)	-		-	/	

^{*} Data announced this time is provided in a thick-frame. The other data was announced on November 17 and 18.

^{* &}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 chloride)

		Underground water observation hole No.0-1	Underground water observation hole No.0-1-2	vater observation water observation		Underground 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	Groundwater pumped up from the well point
	Date of sampling		1		/	/	/	/	/	/	/	1	1 /	/
	Time of sampling		/ /											
	Chloride (unit: ppm)													
Cs	s-134 (Approx. 2 years)													
Cs	s-137 (Approx.30 years)													
The other y														
	ΑΙΙ β													
F	H-3 (Approx. 12 years)	1/												
Sr	r-90 (Approx. 29 years)	/		/				/	/	/				/

		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.3	Underground water observation hole No.3-4
	Date of sampling	Nov 20, 2013	/	Nov 20, 2013	/	Nov 20, 2013
	Time of sampling	9:28 AM		10:06 AM		12:57 PM
Cs	s-134 (Approx. 2 years)	ND(0.41)		ND(0.37)		1.3
Cs	-137 (Approx.30 years)	ND(0.45)		ND(0.46)		3.0
The other y						
	ΑΙΙ β	310		2,000		ND(21)
H	H-3 (Approx. 12 years)	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.

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

Unit:	Bq/	
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		Groundwater observation hole No.0-1 Solution No.0-1-2		tion hole	Groundwater observation hole No.0-2		Groundwater observation hole No.0-3-1 Groundwa		vation hole observation hole		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				
С	s-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]
C	s-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]
	Ru-106 (Approx. 370 days)	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		ND	
The	Mn-54 (Approx. 310 days)	ND		ND		ND		ND		ND		ND		1.0	[7/5]	62	[7/5]	ND		ND		ND		5.2	[11/18]
other y	Co-60 (Approx. 5 years)	ND		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		ND		1.7	[7/11]	ND		250	[7/15]	1.4	[7/12] [8/26]	ND		12	[8/8]	ND	
	ΑΙΙ 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]
I	H-3 (Approx. 12 years)	45,000	[8/29]	36,000	[11/10]	ND		Under analysis		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]
S	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	

		Groundwater observation hole No.1-9		Groundwater observation hole No.1-11		observa	dwater tion hole 1-12	observa	dwater tion hole 1-14	observa	dwater tion hole 1-16	Unit: Bq. 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]
	Ru-106 (Approx. 370 days)	ND		ND		5.4	[10/28]	ND		9.2	[10/28]	25	[9/2]
The	Mn-54 (Approx. 310 days)	ND		ND		ND		ND		ND		ND	
other y	Co-60 (Approx. 5 years)	ND		ND		0.51	[10/24]	ND		0.9	[11/7]	ND	
	Sb-125 (Approx. 3 years)	ND		ND		61	[10/21]	ND		8.6	[11/18]	ND	
ΑΙΙ 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		=	

														ι	Jnit: Bq/L
		Groundwater observation hole No.2		Groundwater observation hole No.2-1*		Groundwater observation hole No.2-5*1		Groundwater observation hole No.2-6		Groundwater observation hole No.3		Groundwater observation hole No.3-1		Ground observat No.:	ion hole
Cs	s-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	Cs-137 (Approx.30 years)		[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]
	Ru-106 (Approx. 370 days)	ND		ND		ND		ND		ND		ND		ND	
The	Mn-54 (Approx. 310 days)	ND		ND		0.77	[9/29]	ND		ND		ND		0.54	[10/30]
other y	Co-60 (Approx. 5 years)	ND		ND		ND		ND		ND		ND		ND	
	Sb-125 (Approx. 3 years)	ND		ND		26	[9/29]	ND		1.1	[9/5]	ND		ND	
	ΑΙΙ β	1,700	[7/8]	380	[7/29]	46,000	[9/29]	2,100	[11/17]	1,400	[7/11]	180	[8/1]	ND	
F	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	[H24. 12/12]	460	[8/1]	170	[9/18]
	Sr-90(Approx. 29 years)		[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.

^{* &}quot;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.