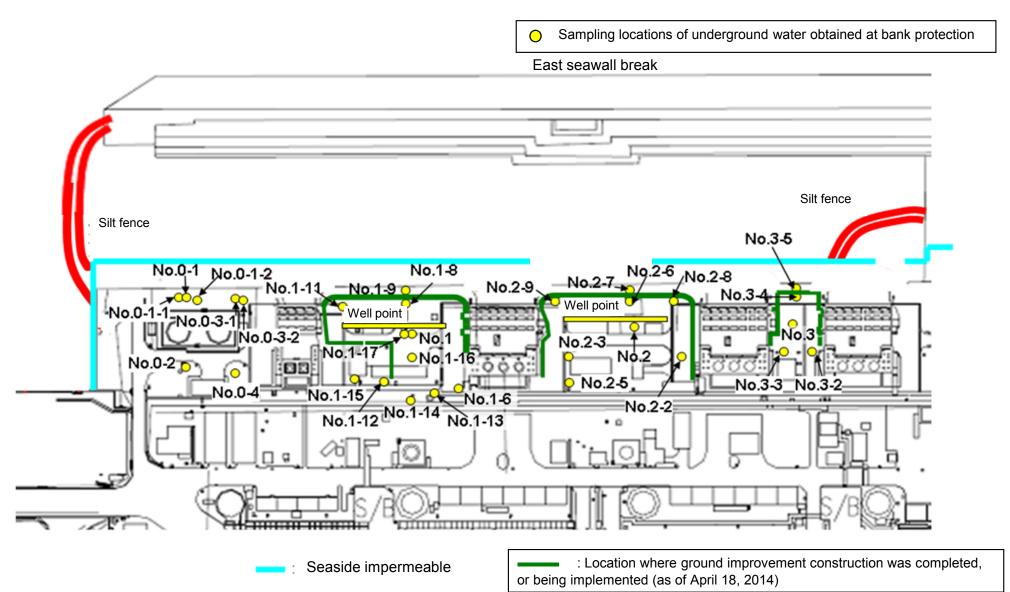
Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (Sampling Locations of Underground Water Obtained at Bank Protection)



Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (1/2) Underground Water Obtained at Bank Protection

	1	1	1	1	1	1		1	1		Т	1	T		/L (exclude c
	Underground water observation hole No.0-1	Underground water observation hole No.0-1-2			r Underground water observation hole No.0-3-2						r Underground water observation hole No.1-11		Underground water observation hole No.1-14		
Date of sampling	/	/	/		/ /	/	/	/		Oct 26		/ /	/	/	1
Time of sampling	/		/	/		/	/	/		6:58 AM			/	/	
Chloride (unit: ppm)										25					
Cs-134 (Approx. 2 years)										-					
Cs-137 (Approx.30 years)										-					
		/		/											/
The															
ther γ															
		/		/ /	/	/					/	/	/		
Gross β	/		/			/		/		ND(18)			/	/	
H-3 (Approx. 12 years)		/	/	/		/	/	/	/	ND(110)	1/		/	/	
Sr-90 (Approx. 29 years)	/	/	/	/	/	/	/	/	/	_	/	/	/	/	/
	μ	1	ļ,	μ	1	1		1			ļ/	1	1	1	γ
	Groundwater pumped up from the well point (between Unit 1 and 2)	Underground water observation hole No.2		Underground wate observation hole No.2-3	r Underground water observation hole No.2-5 (note)		Underground water observation hole No.2-7		Groundwater pumped up from the well point (between Unit 2 and 3)		r Underground water observation hole No.3-2		Underground water observation hole No.3-4		
Date of sampling	/	/	1 /		/ /	/ /	/	/			1	/ /	/ /	1 /	7
Time of sampling	/		/	/		/	/	/					/	/	
Chloride (unit: ppm)	/							/							
Cs-134 (Approx. 2 years)															1
Cs-137 (Approx.30 years)			/										/		1
						/	/						/	/	1
The														/	1
ther γ															1
	/							/							1
Gross β	/							/							1
					1 1	1 1	1 /	1 1	1 1	1 /	1 /	1 /	1 1	1 /	1
H-3 (Approx. 12 years)	/			/	/	/	/	/	/		/	/	/	/	

* Data announced this time is provided in a thick-frame. The other data was announced on October 27.

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses, except "the other y".

* "-" indicates that the measurement was out of range.

(Note) As of No. 1-9, 2-5, and 3-5, γwas not measured because they are samlpled by sampler. Gross βwere measured after filtation for references.

Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (2/2) Underground Water Obtained at Bank Protection

		-						-			-	-				L (exclude chloride)
		Underground water observation hole No.0-1	Underground wate observation hole No.0-1-2	r Underground water observation hole No.0-2			Underground wate observation hole No.0-4		r Underground water observation hole No.1-6	Underground water observation hole No.1-8				r Underground water observation hole No.1-14		
Da	ate of sampling	/	,	/ /	/	/	/	/	/	/	Oct 28	/	/	/ /	/ /	/
Tir	ime of sampling		/				/			/	7:20 AM		/			/
Chl	loride (unit: ppm)										21					
Cs-134	4 (Approx. 2 years)										_					
Cs-137	7 (Approx.30 years)										_					/
																/
The																
other y																
	Gross β										ND(19)					
H-3 ((Approx. 12 years)	/			/		/	/		/	Under analysis	/	/		/	/
Sr-90	(Approx. 29 years)		/	/	/		/	/	/	/	-	/	/	/	/	/
		Groundwater pumped up from the well point (between Unit 1 and 2)	Underground wate observation hole No.2	r Underground water observation hole No.2-2			Underground wate observation hole No.2-6		r Underground water observation hole No.2-8	Groundwater pumped up from the well point (between Unit 2 and 3)	Underground water observation hole No.3			r Underground water observation hole No.3-4	r Underground water observation hole No.3-5(note)	
Da	ate of sampling	/		/ /	/	/	Oct 28		/	/	/	/	(,		/ /	
Tir	ime of sampling		/		/	/	8:30 AM			/	/	/	/			
Chle	loride (unit: ppm)						-									
Cs-134	4 (Approx. 2 years)					/	ND(0.45)									
Cs-137	7 (Approx.30 years)					/	ND(0.65)									
						/				/						
The						/										
other y						/										
		/	/	7	/			7	1	/	/	/	/	7	7	
	Gross β						1900									
H-3 ((Approx. 12 years)	/	/		/		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, except "the other y"

 * "-" indicates that the measurement was out of range.

(Note) As of No. 1-9, 2-5, and 3-5, γwas not measured because they are samlpled by sampler. Gross βwere measured after filtation for references.

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

				Groundwater observation hole		dwater tion hole	Ground		Groun	dwater tion hole		dwater tion hole		ndwater ation hole		ndwater ation hole		dwater tion hole	Ground			dwater		dwater		dwater tion hole	Groun		
			0.0-1	No.0		No.0		No.		No.()-3-2		0.0-4		o.1	No.1		No.1		No.1	tion hole -3※		tion hole I-4※		1-5※	observa No.	
С	Cs-134 (Approx. 2 years)		<5/25>	ND		0.61	<3/2>	0.61	[10/13]	0.64	<4/6>	1.3	<9/25>	0.70	<6/29>	13	[8/29]	1.9	[7/8]	11,000	[7/9]	10	[9/2]	1.5	[7/8]	310	[8/5]	67,000	<10/17>
C	s-137 (Approx.30 years)	78	<5/25>	ND		1.5	<3/2>	2.2	<1/12>	1.1	<4/6>	5.1	<9/25>	1.6	<6/29>	31	[8/29]	3.6	[7/8]	22,000	[7/9]	24	[9/2]	3.6	[7/8]	650	[8/5]	200,000	<10/16
	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		ND	
The	Mn-54 (Approx. 310 days)	ND		ND		ND		ND		ND		0.64	<2/20>	ND		ND		1.0	[7/5]	62	[7/5]	ND		ND		ND		700	<10/13
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		3600	<10/13>
	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]	34	<5/19>
	Gross β	300	[8/29] <5/18>	21	[12/7]	24	<6/22>	87	[10/13]	ND		74	<10/9>	44	<6/22>	1,900	[5/24]	4,400	[7/8]	9,300,000	[7/8]	160,000	(8/12) (8/15)	380	[8/19]	56,000	[8/5]	7,800,000	<10/13>
ł	H-3 (Approx. 12 years)	45,000	[8/29]	18,000	[12/7]	74,000	[12/15] <1/19>	6,800	<2/16>	ND		76,000	<2/6>	56,000	<2/23>	500,000	(5/24) (6/7)	630,000	[7/8]	430,000	[9/16]	290,000		98,000	[7/11]	72,000	[8/15]	*2 110,000	<2/6>
S	Gr-90(Approx. 29 years)	140	[8/8]	7.9	[12/7]	2.6	[11/10]	0.73	[9/2]	1.5	[11/20]	2.3	[12/6]	ND(0.83)	[10/27]	1,300	[8/22]	2,300	[6/28]	5,000,000	[7/5]	130,000	[8/8]	200	[7/8]	5,100	[8/22]	1,100,000	<8/4>
																													Unit: Bo
		observa	ndwater ation hole 9.1-8	Ground observat No.	ion hole	Ground observat No.1	tion hole	Ground observat No.1	tion hole		dwater tion hole 1-12	observa	dwater tion hole 1-13	observa	ndwater ation hole .1-14	observa	ndwater ation hole 1-15		dwater tion hole 1-16	Ground observat No.1	ion hole	pumped the we	II point n Unit 1		dwater tion hole p.2		dwater tion hole 2-1%	Groun observa No.	tion hole
С	s-134 (Approx. 2 years)	47	[11/25]	170	[9/3]	-		1.1	<1/13>	74	[10/21]	37,000	<2/13>	130	<10/18>	ND		30	<7/28>	1.4	<7/7>	110	[9/23]	0.88	<2/26>	0.66	[9/1]	15	<2/12>
C	s-137 (Approx.30 years)	110	[11/25]	380	[9/3]	-		3.4	<4/28>	170	[10/21]	93,000	<2/13>	390	<10/20>	0.88	<7/10>	86	<7/28>	3.0	<9/29>	250	[9/23]	2.5	<2/26>	1.1	[8/29] [9/1]	38	<2/12>
	Ru-106 (Approx. 370 days)	ND		ND		-		ND		5.4	[10/28]	ND		ND		ND		9.2	[10/28]	5.5	<4/21> <5/1>	25	[9/2]	ND		ND	(0.1)	ND	
The	Mn-54 (Approx. 310 days)	12	<2/3>	ND		-		ND		ND		ND		2.1	<9/8>	ND		11	<8/25>	ND		8.5	<4/28>	ND		ND		ND	
other y	Co-60 (Approx. 5 years)	1.3	<2/3>	ND		-		ND		0.51	[10/24]	ND		0.44	<5/29>	ND		0.9	[11/7]	0.61	[11/25]	0.61	<6/9>	ND		ND		ND	
	Sb-125 (Approx. 3 years)	ND		ND		-		ND		61	[10/21]	ND		ND		ND		24	<6/16>	2.1	[11/25]	ND		ND		ND		ND	
	Gross β	59,000	<2/3>	2,100 *2	[11/17]	78 *2	<1/27>	2,300	[12/26]	1,100	<5/5>	260,000	<2/12> <2/13>	29,000	<10/3>	110	<7/10>	3,100,000	<1/20> <1/30> <2/3>	1,200,000	<10/9>	1,900,000	[9/23]	1,700	[7/8]	380	[7/29]	600	<4/16>
ł	H-3 (Approx. 12 years)	33,000	<6/2>	860 *2	[11/14]	270,000 ^{*2}	<1/27>	85,000	[9/13]	440,000	[10/31]	88,000	<2/12>	23,000	<2/13>	74,000	<7/10>	43,000	[9/26]	160,000	<10/13> <10/16>	460,000	[8/19]	1,000	<2/23>	440	[8/26]	660	<1/8>
S	Gr-90(Approx. 29 years)	35,000	<2/17>	300	[10/3]	-		170	<8/4>	290	[10/21]	160,000	<2/12>	13,000	<8/4>	Under	analysis	2,700,000	<2/13>	170,000	<8/4>	-		54	[5/31]	5.9	[7/25]	320	[12/25]
				1		1		1				1		0		1		1		1		1		1			Unit: Bq/L		
			ndwater ation hole 9.2-3	Ground observat No.	ion hole	Ground observat No.	tion hole	Ground observat No.	tion hole		dwater tion hole .2-8		dwater tion hole .2-9	pumped the we (betwee	ndwater d up from ell point en Unit 2 id 3)	observa	ndwater ation hole o.3		dwater tion hole 3-1※	Ground observat No.	ion hole		dwater tion hole .3-3	observa	dwater tion hole .3-4		dwater tion hole .3-5		
С	s-134 (Approx. 2 years)	2.2	<2/26>	41	<5/7>	17	<3/11>	3.5	<2/23>	1.3	<7/20>	ND		2.2	<9/7>	3.5	[7/25]	1.2	[7/25] [8/8]	23	<8/27>	180	<7/2>	5.1	<7/23>	100	<7/30>		
C	s-137 (Approx.30 years)	5.5	<2/26>	110	<5/7>	50	<3/11>	9.0	<2/23>	3.4	<7/20>	0.58 ^{*2}	<2/11>	5.7	<9/7>	5.9	[8/8]	2.6	[8/1]	68	<9/3>	500	<7/2>	16	<8/27>	310	<7/30>		
	Ru-106 (Approx. 370 days)	ND		ND		ND		ND		ND		6.5 ^{*2}	<2/11>	ND		ND		ND		ND		ND		ND		-			
The	Mn-54 (Approx. 310 days)	0.29	[12/6]	0.95	<6/4>	ND		ND		ND		ND		ND		ND		ND		ND		ND		0.54	[10/30]	-			
other y	Co-60 (Approx. 5 years)	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		-			
	Sb-125 (Approx. 3 years)	ND		74	<5/7>	ND		ND		ND		ND		ND		1.6	<1/1>	ND		ND		ND		ND		-			
	Gross β	1,500	[12/6] <1/8>	150,000	<2/12>	3,200	[12/5]	1,300	<6/20>	5,800	<7/23>	1,700	<2/7>	240,000	[12/12]	1,400	[7/11]	180	[8/1]	3,100	<8/20> <8/28>	8,900	<7/2>	46	<8/13>	510	<7/16>		
I	H-3 (Approx. 12 years)	1,700	[12/6]	7,900	<4/9>	1,900	<8/10>	1,100	<1/19>	1,700	<4/6> <8/6> <8/13>	*2 13,000	<2/7> <2/11>	13,000	<10/19>	3,200	[Dec.12, 2012]	460	[8/1]	3,700	<7/9>	8,000	<5/7>	170	[9/18]	170	<1/8>		
S	Gr-90(Approx. 29 years)	1,200	[12/6]	34,000	<5/7>	Under a	analysis	ND(1.4)	[11/21]	3,900	<3/30>	1,200 *2	<2/11>	-		8.3	[Dec.12, 2012]	4.4	[7/23]	2000	<4/18>	3,600	<4/30>	ND		200	<5/28>		
Cine	e some samples are still un		aia tha hia	haat daaa	of the Ctro		o omona ti	haaa nrawiy				•		•		•		•				•							

Since some samples are still under analysis, the highest dose of the Strontium-90 is among those previously announced.
Analysis result of pumped water.
The results are for a reference, since the water was highly turbid. (γ and Gross β were measured after filtration.)

 * "ND" indicates that the measurement result is below the detection limit.

^{*} DDF indicates that the measurement result is below the section min. ^{*} Date of sampling is provided in parentheses. (): 2013, <>: 2014 ^{*} "*" is provided next to the name of the holes where the sampling could not be performed due to the chemical injection of ground improvement. (Note) As of No. 1-9, 2-5, and 3-5, since September 17, ywas not measured because they are samlpled by sampler. Gross βwere measured after filtation for references.