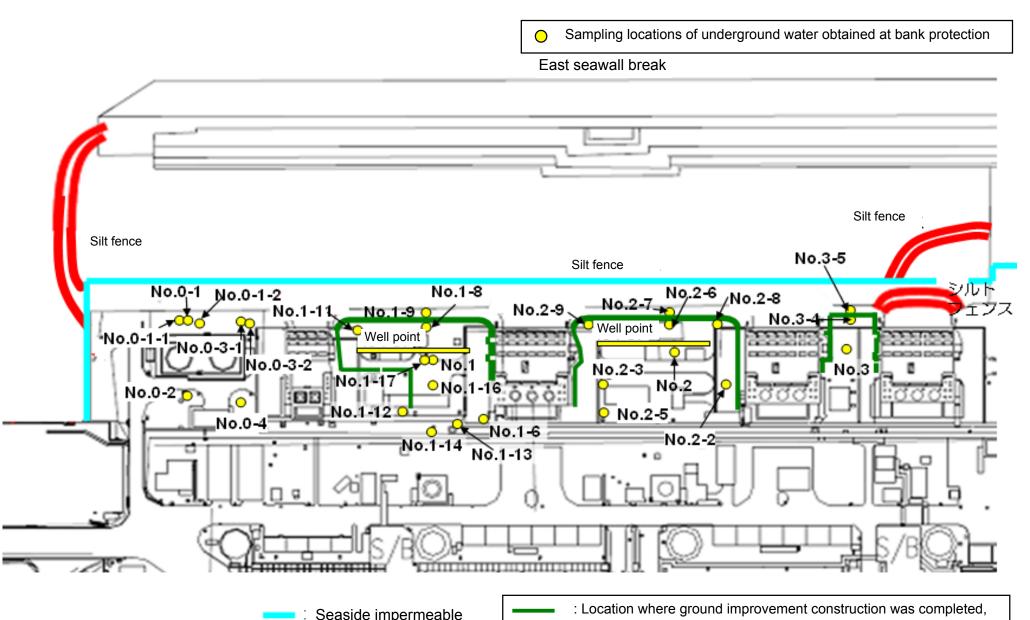
Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (Sampling Locations of Underground Water Obtained at Bank Protection)



or being implemented (as of February 27, 2014)

Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (1/3) 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.0-3-1	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.1-6	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
	Date of sampling			/	/	/	/	/	/	1		/	1	1	
	Time of sampling														/
	Chloride (unit: ppm)														
С	s-134 (Approx. 2 years)														
C	s-137 (Approx.30 years)														
							/		/						
The															
other γ															
	Gross β														
ı	H-3 (Approx. 12 years)			/			/								
Sı	r-90 (Approx. 29 years)				/										/
		Underground water observation hole No.1-17	Groundwater pumped up from the well point (between Unit 1	Underground water observation hole No.2	Underground water observation hole No.2-2	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	Underground water observation hole No.2-8	Groundwater pumped up from the well point (between Unit 2	Underground water observation hole No.3	Underground water observation hole No.3-4	Underground water observation hole No.3-5	

		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.2-2	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	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	Underground water observation hole No.3-4	Underground water observation hole No.3-5
	Date of sampling	/	/	/	/	/	/	/	Apr 2, 2014	/	/	1	/	
	Time of sampling	/	/						9:56 AM					
	Chloride (unit: ppm)								940					
С	Cs-134 (Approx. 2 years)								0.40					
С	s-137 (Approx.30 years)								0.72					
The														
other y														
	Gross β								650				/	
	H-3 (Approx. 12 years)			/	/			/	890		/		/	
S	r-90 (Approx. 29 years)	/	/	/	/				-	ý .			ĺ	

^{*} Data announced this time is provided in a thick-frame. The other data was announced on April 3.

^{* &}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 (2/3) Underground Water Obtained at Bank Protection

Unit: Bq/L (exclude chloride)

															L (exclude ch
		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.0-3-2	Underground water observation hole No.0-4	Underground water observation hole No.1	Underground water observation hole No.1-6	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	Undergro water obser hole No.1
	Date of sampling		1	Λ ,	1	1	1	1	1	/	1	Λ ,	1		
	Time of sampling		/		/	/	/		/				/		
	Chloride (unit: ppm)														
Cs	s-134 (Approx. 2 years)														
Cs	s-137 (Approx.30 years)														
		 													/
The		1 /						 							/
other y		 		 											
		+/		 								 			
	Gross β	+/		 								 			
Н	H-3 (Approx. 12 years)	+/		1/	/	/	/	1/	/	1/	/	1/	/	 	
	-90 (Approx. 29 years)	 	/ -	 	/ -	/	/ -	/	/	/	/	/	/	 /	/
	oc (Aprioni 20 yours)	V	<u>/</u>	<u> </u>	<u> </u>	<u>/</u>	γ	<u> </u>	<u>/</u>	<u> </u>	<u> </u>	<u> </u>	<u>/</u>	<u>V</u>	<u>V</u>
		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.2-2	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	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	Underground water observation hole No.3-4	Underground water observation hole No.3-5	
	Date of sampling		1	Λ ,	1	1	1	1	Apr 4, 2014	/	1	Λ ,	1	/	
	Time of sampling						/		10:38 AM		/				
	Chloride (unit: ppm)								900						
Cs	s-134 (Approx. 2 years)								0.69						
Cs	s-137 (Approx.30 years)								1.40						
The															
other y		1 /													
		1/		1/	/	/	/	/			/	1/	//		
	Gross β	1/	/	1/	/	/	/	1/	670		/	1/	/		
F	H-3 (Approx. 12 years)	1/	 	1/			/	1/	Under analysis	1/	/	1/	1/		
	r-90 (Approx. 29 years)	1/	/	/	/	/	/	/	-	/	/	/	/	/	
	ndicates that the measureme	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>Y</u>	<u>Y</u>	<u>y</u>	1	Y	y	<u> </u>	V	<u>v</u>	l

^{* &}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 (3/3) Underground Water Obtained at Bank Protection

Unit: Bq/L (exclude chloride)

Water colservation water c																
Time of sampling Chindride (units print) Ch-134 (Approx. 2) years) Ch-137 (Approx. 2) years) Ch-137 (Approx. 2) years) Ch-138 (Approx. 2) years) Ch-138 (Approx. 2) years) Ch-139 (Approx. 2) years) Ch-			water observation	water observation	water observation	water observation	water observation	water observation	water observation	water observation	water observation	water observation	water observation	water observation	water observation	Underground water observation hole No.1-16
Chloride (unit. ppm) Cs-134 (Approx. 2 years) Cs-137 (Approx. 30 years) The mer y Cross \$ C		Date of sampling		1 /	/	/	,		/	/	/		1	/	/	
Ce-137 (Approx. 2 years) Comment of ampling The Obline (such prox) Date of sampling The Obline (such prox) Ce-134 (Approx. 2 years)		Time of sampling					/									
Conse β H-3 (Approx. 29 years) Date of sampling Time of sampling Chloride (unit: ppm) Chlor		Chloride (unit: ppm)														/
The reference of the r	Cs	s-134 (Approx. 2 years)														
Gross β H-3 (Approx. 12 years) Date of sampling Date of sampling Chorac (unit: ppm) Chorac (approx. 29 years) Chorac (approx. 29 years) Date of sampling Chorac (unit: ppm) Chorac (approx. 29 years) Cho	Cs	s-137 (Approx.30 years)														
Gross β H-3 (Approx. 12 years) Date of sampling Date of sampling Chorac (unit: ppm) Chorac (approx. 29 years) Chorac (approx. 29 years) Date of sampling Chorac (unit: ppm) Chorac (approx. 29 years) Cho																
Gross β H-3 (Approx. 29 years) Sr-90 (Approx. 29 years) Date of sampling Time of sampling Chioride (unit: ppm) CS-137 (Approx. 30 years) Gross β H-3 (Approx. 29 years) Groundwater Underground water observation hole No. 2-17 Time of sampling Chioride (unit: ppm) CS-137 (Approx. 30 years) Gross β H-3 (Approx. 29 years) Gross β H-3 (Approx. 12 years) H-3 (Approx. 12 years)	The															
H-3 (Approx. 12 years) Sr-90 (Approx. 29 years) Indeground water observation hole No.1-17 Date of sampling Time of sampling Choracter pumper Choracter pumper Time of sampling Choracter pumper Choracter pumper Choracter pumper Apr 4, 2014 Time of Sampling Choracter pumper Choracter pumper Choracter pumper Apr 4, 2014 Time of Sampling Choracter pumper Choracter pumper Apr 4, 2014 Time of Sampling Choracter pumper Choracter pumper Apr 4, 2014 Time of Sampling Choracter pumper Choracter pumper Apr 4, 2014 Time of Sampling Choracter pumper Apr 4, 2014 Time of Sampling Apr 4, 2014 Time	other y					/				/	/					
H-3 (Approx. 12 years) Sr-90 (Approx. 29 years) Indeground water observation hole No.1-17 Date of sampling Time of sampling Choracter pumper Choracter pumper Time of sampling Choracter pumper Choracter pumper Choracter pumper Apr 4, 2014 Time of Sampling Choracter pumper Choracter pumper Choracter pumper Apr 4, 2014 Time of Sampling Choracter pumper Choracter pumper Apr 4, 2014 Time of Sampling Choracter pumper Choracter pumper Apr 4, 2014 Time of Sampling Choracter pumper Choracter pumper Apr 4, 2014 Time of Sampling Choracter pumper Apr 4, 2014 Time of Sampling Apr 4, 2014 Time																
Sr-90 (Approx. 29 years)		Gross β														
Underground water observation folic No.1-17 Date of sampling Time of sampling Cholinic (unit: ppm) Cholinic (an) Cholini	Н	H-3 (Approx. 12 years)														
Underground water observation the well prior mater observation hole No.1-17 let were Unit 1 and 2) underground water observation hole No.2-2 where observation hole No.2-3 water observation hole No.2-6 water observation hole No.2-7 water observation hole No.2-8 water observation water observation hole No.3-4 water observation water observation water observation hole No.3-4 water observation hole No.3-4 water observation water observation water observation hole No.3-4 water observat	Sr	-90 (Approx. 29 years)	-	-	-	-		-								
Underground water observation the well prior mater observation hole No.1-17 let were Unit 1 and 2) underground water observation hole No.2-2 where observation hole No.2-3 water observation hole No.2-6 water observation hole No.2-7 water observation hole No.2-8 water observation water observation hole No.3-4 water observation water observation water observation hole No.3-4 water observation hole No.3-4 water observation water observation water observation hole No.3-4 water observat			•	•		•	•	•	•	•	•	•		•		
Tine of sampling Chloride (unit: ppm) Cs-134 (Approx. 2 years) Cs-137 (Approx.30 years) The of sampling The o																
Chloride (unit: ppm) Cs-134 (Approx. 2 years) Cs-137 (Approx.30 years) The other γ H-3 (Approx. 12 years) Under analysis			water observation	pumped up from the well point (between Unit 1	water observation	pumped up from the well point (between Unit 2	water observation	water observation	water observation							
Cs-134 (Approx. 2 years) Cs-137 (Approx. 30 years) The the years of		Date of sampling	water observation	pumped up from the well point (between Unit 1	water observation	pumped up from the well point (between Unit 2	water observation	water observation	water observation hole No.3-5							
Cs-137 (Approx.30 years) The other γ Gross β H-3 (Approx. 12 years) 78 Under analysis			water observation	pumped up from the well point (between Unit 1	water observation	pumped up from the well point (between Unit 2	water observation	water observation	water observation hole No.3-5 Apr 4, 2014							
The other γ Gross β H-3 (Approx. 12 years) Under analysis		Time of sampling	water observation	pumped up from the well point (between Unit 1	water observation	pumped up from the well point (between Unit 2	water observation	water observation	water observation hole No.3-5 Apr 4, 2014 10:15 AM							
Sther γ 170 H-3 (Approx. 12 years) Under analysis		Time of sampling Chloride (unit: ppm)	water observation	pumped up from the well point (between Unit 1	water observation	pumped up from the well point (between Unit 2	water observation	water observation	water observation hole No.3-5 Apr 4, 2014 10:15 AM 4,100							
Sther γ 170 H-3 (Approx. 12 years) Under analysis	Cs	Time of sampling Chloride (unit: ppm) s-134 (Approx. 2 years)	water observation	pumped up from the well point (between Unit 1	water observation	pumped up from the well point (between Unit 2	water observation	water observation	water observation hole No.3-5 Apr 4, 2014 10:15 AM 4,100 30							
Gross β 170 H-3 (Approx. 12 years) Under analysis	Cs	Time of sampling Chloride (unit: ppm) s-134 (Approx. 2 years)	water observation	pumped up from the well point (between Unit 1	water observation	pumped up from the well point (between Unit 2	water observation	water observation	water observation hole No.3-5 Apr 4, 2014 10:15 AM 4,100 30							
H-3 (Approx. 12 years) Under analysis	Cs	Time of sampling Chloride (unit: ppm) s-134 (Approx. 2 years)	water observation	pumped up from the well point (between Unit 1	water observation	pumped up from the well point (between Unit 2	water observation	water observation	water observation hole No.3-5 Apr 4, 2014 10:15 AM 4,100 30							
H-3 (Approx. 12 years) Under analysis	Cs	Time of sampling Chloride (unit: ppm) s-134 (Approx. 2 years)	water observation	pumped up from the well point (between Unit 1	water observation	pumped up from the well point (between Unit 2	water observation	water observation	water observation hole No.3-5 Apr 4, 2014 10:15 AM 4,100 30							
	Cs Cs The	Time of sampling Chloride (unit: ppm) s-134 (Approx. 2 years)	water observation	pumped up from the well point (between Unit 1	water observation	pumped up from the well point (between Unit 2	water observation	water observation	water observation hole No.3-5 Apr 4, 2014 10:15 AM 4,100 30							
Sr-90 (Approx. 29 years) / / / / / -	Cs Cs The	Time of sampling Chloride (unit: ppm) s-134 (Approx. 2 years) s-137 (Approx.30 years)	water observation	pumped up from the well point (between Unit 1	water observation	pumped up from the well point (between Unit 2	water observation	water observation	water observation hole No.3-5 Apr 4, 2014 10:15 AM 4,100 30 78							
	Cs Cs The other y	Time of sampling Chloride (unit: ppm) s-134 (Approx. 2 years) s-137 (Approx.30 years) Gross β	water observation	pumped up from the well point (between Unit 1	water observation	pumped up from the well point (between Unit 2	water observation	water observation	water observation hole No.3-5 Apr 4, 2014 10:15 AM 4,100 30 78							

^{* &}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.

	Ba	

			Groundwater Ground															Unit: Bq/l									
			dwater tion hole .0-1	observa	ndwater ation hole 0-1-1		dwater tion hole 0-1-2	observa	ndwater ation hole .0-2	observa	ndwater ation hole .0-3-1	observa	dwater ition hole 0-3-2	Groun observa No.	ion hole	observa	ndwater ation hole o.1	observa	dwater tion hole .1-1	Ground observat No.	tion hole	Ground observat No.	tion hole	Groun observa No.	tion hole	Groun observa No.	
С	s-134 (Approx. 2 years)	9.8 *2	<3/9>	0.61	<3/2>	ND		0.61	[10/13]	0.44	[11/24]	0.82	<1/14>	ND		13	[8/29]	1.9	[7/8]	11,000	[7/9]	10	[9/2]	1.5	[7/8]	310	[8/5]
С	s-137 (Approx.30 years)	25 *2	<3/9>	1.5	<3/2>	0.51	[11/17]	2.2	<1/12>	0.86	[11/20]	2.1	<1/14>	1.4	<1/12>	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		0.64	<2/20>	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 ^{*1}	[12/11]	29	[12/29]	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] <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	[7/12]	98,000	(7/11)	72,000	[8/15]
5	Gr-90(Approx. 29 years)	140	[8/8]	Under analysis		Under analysis		0.73	[9/2]	Under analysis		Under analysis		Under analysis		1,300	[8/22]	2,300	[6/28]	5,000,000	[7/5]	130,000	[8/8]	200	[7/8]	5,100	[8/22]
															-												Unit: Bq/
			dwater tion hole	observa	ndwater ation hole	Groun	tion hole	observa	ndwater ation hole	observa	ndwater ation hole	observa	idwater	Groun	ion hole	observa	ndwater ation hole	observa	dwater	Ground	tion hole	Ground pumped the we	up from Il point	Groun		Groun	

		Groundwate observation he No.1-6		Ground observat No.	ion hole		dwater tion hole 1-9	Ground observati No.1	ion hole	observa	ndwater ation hole .1-11	observa	ndwater ation hole 1-12	observa	dwater tion hole 1-13	Groun observa No.		observa	dwater tion hole 1-16		dwater tion hole 1-17	pumped the we (betwee	dwater I up from Il point In Unit 1 In 2)	observa	ndwater ation hole lo.2	observa	ndwater ation hole .2-1
С	s-134 (Approx. 2 years)	6,300 <3/3	31>	47	[11/25]	170	[9/3]	-		1.1	<1/13>	74	[10/21]	37,000	<2/13>	88 *2	<2/27>	3.1 *1	[12/13]	1.2	[12/5]	110	[9/23]	0.88	<2/26>	0.66	[9/1]
С	s-137 (Approx.30 years)	16,000 <3/3	31>	110	[11/25]	380	[9/3]	-		2.8	<1/13>	170	[10/21]	93,000	<2/13>	230 *2	<2/27>	4.7	<2/17>	1.5	<3/10>	250	[9/23]	2.5	<2/26>	1.1	(8/29) (9/1)
	Ru-106 (Approx. 370 days)	ND		ND		ND		-		ND		5.4	[10/28]	ND		ND		9.2	[10/28]	4.1	[12/12]	25	[9/2]	ND		ND	
The	Mn-54 (Approx. 310 days)	320 <2/1 <2/1		12	<2/3>	ND		-		ND		ND		ND		ND		ND		ND		5.9	<3/3>	ND		ND	
other y	Co-60 (Approx. 5 years)	830 <2/2	20>	1.3	<2/3>	ND		-		ND		0.51	[10/24]	ND		ND		0.9	[11/7]	0.61	[11/25]	ND		ND		ND	
	Sb-125 (Approx. 3 years)	ND		ND		ND		-		ND		61	[10/21]	ND		ND		11	[12/5]	2.1	[11/25]	ND		ND		ND	
	Gross β	770,000 <3/2	27>	59,000	<2/3>	2,100*2	[11/17]	78 ^{*2}	<1/27>	2,300	[12/26]	730	[10/21]	260,000	<2/12> <2/13>	1,800	<3/31>	3,100,000	<1/20> <1/30> <2/3>	3,500	<3/24>	700,000	[9/23]	1,700	[7/8]	380	[7/29]
	H-3 (Approx. 12 years)	*2 110,000 <2/	6>	13,000	<3/31>	*2 860	[11/14]	*2 270,000	<1/27>	85,000	[9/13]	440,000	[10/31]	88,000	<2/12>	23,000	<2/13>	43,000	[9/26]	32,000	<1/20>	460,000	[8/19]	1,000	<2/23>	440	[8/26]
5	Gr-90(Approx. 29 years)	=		1,300	[9/16]	170	[9/3]	-		17	[9/13]	Under analysis		Under analysis		Under analysis		Under analysis		Under analysis		-		54	[5/31]	5.9	[7/25]

																									Unit: Bq/L
		Ground observati No.	tion hole	observa	ndwater ation hole 0.2-3	observat	dwater tion hole .2-5	observa	dwater ition hole .2-6	observa	ndwater ation hole 0.2-7	observa	ndwater ation hole o.2-8	Ground observati No.2	on hole	Ground pumped the we (betwee and	up from II point n Unit 2	observa	ndwater ation hole lo.3	observa	ndwater ation hole 5.3-1*	observa	ndwater ation hole 5.3-4	observa	ndwater ation hole 0.3-5
С	s-134 (Approx. 2 years)	15	<2/12>	2.2	<2/26>	25	<2/12>	17	<3/11>	3.5	<2/23>	1		-		1.2	<3/9>	3.5	[7/25]	1.2	(7/25) (8/8)	1.9	<1/8>	64	<1/15>
С	s-137 (Approx.30 years)	38	<2/12>	5.5	<2/26>	62	<2/12>	50	<3/11>	9.0	<2/23>	-		0.58 *2	<2/11>	3.1	<3/9>	5.9	[8/8]	2.6	[8/1]	5.4	<4/2>	170	<1/15>
	Ru-106 (Approx. 370 days)	ND		ND		ND		ND		ND		-		6.5	<2/11>	ND		ND		ND		ND		-	
The	Mn-54 (Approx. 310 days)	ND		0.29	[12/6]	0.94	<1/8>	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		-	
	Sb-125 (Approx. 3 years)	ND		ND		30	<2/12>	ND		ND		-		-		ND		1.6	<1/1>	ND		ND		-	
	Gross β	570	<3/26>	1,500	[12/6]	150,000	<2/12>	3,200	[12/5]	730	<3/30>	4,100	<3/30>	1,700*2	<2/7>	240,000	[12/12]	1,400	[7/11]	180	[8/1]	18	<3/12>	300	<4/2>
	H-3 (Approx. 12 years)	660	<1/8>	1,700	[12/6]	6,300	[12/4]	1,200	[11/24] [11/27]	1,100	<1/17>	*2 1400	<3/30>	*2 13,000	<2/7>	5,100	[12/6]	3,200	[H24. 12/12]	460	[8/1]	170	[9/18]	170	<1/8>
	6r-90(Approx. 29 years)	Under analysis		Under analysis		Under analysis		Under analysis		Under analysis		-		-		-		8.3	(2012/12/ 12)	4.4	[7/23]	ND		-	

[•] Since some samples are still under analysis, the highest dose of the Strontium-90 is among those previously announced.

^{*1} Analysis result of pumped water.
*2 The results are for a reference, since the water was highly turbid. (γ and Gross β were measured after filtration.)

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

^{*} 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.