Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (1/4) Underground Water Obtained at Bank Protection

Unit: Ba/L (exclude chloride)

														Offit. Bq	L (exclude chloride)
		Underground water observation hole No.0-1	Underground water observation hole No.0-2	Underground water observation hole No.1	Underground water observation hole No.1-2	Underground water observation hole No.1-3	Underground water observation hole No.1-5	Underground water observation hole No.1-8	Underground water observation hole No.1-9	Underground water observation hole No.1-11	Groundwater pumped up from the well point	Underground water observation hole No.2	Underground water observation hole No.2-1	Underground water observation hole No.3	Underground water observation hole No.3-4
	Date of sampling	/	/	/	1 /	/	1	1 /	Sep 12, 2013	/	/	Sep 11, 2013	/	/	1 /
	Time of sampling	/		/		/	/		6:55 AM			9:27 AM			
	Chloride (unit: ppm)								360			-			
C	s-134 (Approx. 2 years)								8.7			0.36			
Cs	s-137 (Approx.30 years)								20			0.64			
The other y															
										/					
	ΑΙΙ β						/		270			96			
H	H-3 (Approx. 12 years)		/	/		/			650		/	520		/	
Sı	r-90 (Approx. 29 years)	/	/	/	/	/	/		-	Under analysis	/	-	/	/	

^{*} Data announced this time is provided in a thick-frame. The other data was announced on September 12 and 13.

^{* &}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 (2/4) Underground Water Obtained at Bank Protection

Unit: Bq/L (exclude chloride)

														Unit. Bq/	L (exclude chloride)
		Underground water observation hole No.0-1	Underground water observation hole No.0-2	Underground water observation hole No.1	Underground water observation hole No.1-2	Underground water observation hole No.1-3	Underground water observation hole No.1-5	Underground water observation hole No.1-8	Underground water observation hole No.1-9	Underground water observation hole No.1-11	Groundwater pumped up from the well point	Underground water observation hole No.2	Underground water observation hole No.2-1	Underground water observation hole No.3	Underground water observation hole No.3-4
	Date of sampling	Sep 15, 2013	Sep 15, 2013	/	/	/	/	/	Sep 15, 2013	/	1 /	Sep 15, 2013	/	/	1 /
	Time of sampling	9:52 AM	10:32 AM						6:06 AM			11:05 AM		/	
	Chloride (unit: ppm)	-	-						355			-			
(Cs-134 (Approx. 2 years)	1.7	ND (0.42)						45			ND (0.36)			
C	Cs-137 (Approx.30 years)	4.4	0.93						100			0.85			
The other	v														
	'														
	ΑΙΙ β	170	19						350			140			
	H-3 (Approx. 12 years)	Under analysis	Under analysis	1	/	/		/	Under analysis		/	Under analysis	/	/	
8	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.

Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (3/4) Seawater

Unit: Bq/L

	1F, North side of Unit 5,6 discharge channel	1F, In front of Unit 6 water intake channel	1F, In front of shallow draft quay	1F, North side of Unit 1-4 water intake channel	1F, North side of Unit 1-4 water intake channel (north side of East Seawall Break)	1F, Unit 1 Screen (Inside the Silt Fence)	1F, Between the water intake channel of Unit 1 and Unit 2 (surface layer)	1F, Between the water intake channel of Unit 1 and Unit 2 (lower layer)	1F, Unit 2 Screen (Inside the Silt Fence)	1F, Between the water intake channel of Unit 2 and Unit 3	1F, Unit 3 Screen (Inside the Silt Fence)
Date of Sampling			/	Sep 12, 2013			Sep 12, 2013	Sep 12, 2013		/	
Time of sampling				6:32 AM			6:50 AM	6:50 AM			
Cs-134(Approx. 2 years)				33			24	12			
Cs-137(Approx.30 years)	/			65			45	23			
ΑΙΙ β				690			360	360			
H-3 (Approx. 12 years)				2,800			1,500	400			
Sr-90 (Approx. 29 years)				-			-	-			

Unit: Bq/L

	1F, Between the water intake channel of Unit 3 and Unit 4	Screen	1F, Around the south discharge channel	1F, Port entrance	1F, East side in the port	1F, West side in the port	1F, North side in the port	1F, South side in the port	North side of the north breakwater	East side of the port entrance	South side of the south breakwater
Date of Sampling							/				
Time of sampling											
Cs-134(Approx. 2 years)							/	/			
Cs-137(Approx.30 years)								/			
ΑΙΙ β											
H-3 (Approx. 12 years)						/	/	/			
Sr-90 (Approx. 29 years)	/	/	/				/				

^{*} Data announced this time is provided in a thick-frame. The other data was announced on September 13.

^{* &}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 (4/4) Seawater

Unit: Bq/L

	1F, North side of Unit 5,6 discharge channel	1F, In front of Unit 6 water intake channel	1F, In front of shallow draft quay	1F, North side of Unit 1-4 water intake channel	1F, North side of Unit 1-4 water intake channel (north side of East Seawall Break)	1F, Unit 1 Screen (Inside the Silt Fence)	1F, Between the water intake channel of Unit 1 and Unit 2 (surface layer)	1F, Between the water intake channel of Unit 1 and Unit 2 (lower layer)	1F, Unit 2 Screen	1F, Between the water intake channel of Unit 2 and Unit 3	1F, Unit 3 Screen (Inside the Silt Fence)
Date of Sampling				Sep 15, 2013	/		Sep 15, 2013	Sep 15, 2013			
Time of sampling				5:56 AM			6:02 AM	6:02 AM			
Cs-134(Approx. 2 years)				27			22	11			
Cs-137(Approx.30 years)				66			47	23			
ΑΙΙ β				400			320	190			
H-3 (Approx. 12 years)				Under analysis			Under analysis	Under analysis			
Sr-90 (Approx. 29 years)				-			-	-		/	

Unit: Bq/L

	1F, Between the water intake channel of Unit 3 and Unit 4	Screen	1F, Around the south discharge channel	1F, Port entrance	1F, East side in the port	1F, West side in the port	1F, North side in the port	1F, South side in the port	North side of the north breakwater	East side of the	South side of the south breakwater
Date of Sampling							/			/	
Time of sampling											
Cs-134(Approx. 2 years)											
Cs-137(Approx.30 years)											
ΑΙΙ β											
H-3 (Approx. 12 years)						/		/			
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/L

			Groun observa No		Groundwater observation hole No.0-2	observa	idwater ition hole o.1		dwater tion hole .1-1	Ground observat No.		Ground observat No.	tion hole	Groun observa No.		observa	dwater tion hole .1-5	observa	dwater tion hole .1-8	observa	dwater tion hole .1-9	observa	ndwater ation hole 1-11	pumped	dwater up from ell point n tank)
	Cs	s-134 (Approx. 2 years)	1.4	[8/29]	ND	13	(8/29)	1.9	[7/8]	11,000	[7/9]	10	[9/2]	1.5	[7/8]	310	[8/5]	30	[9/2]	170	[9/3]	ND		1.5	[8/19]
	Cs	-137 (Approx.30 years)	3.0	[8/29]	0.75 [9/2]	31	(8/29)	3.6	[7/8]	22,000	[7/9]	24	[9/2]	3.6	[7/8]	650	[8/5]	63	[9/2]	380	[9/3]	0.48	[9/13]	3.4	[8/19]
		Ru-106 (Approx. 370 days)	ND		ND	26	[5/24]	7.9	[7/8]	160	(8/15)	17	(7/22) (8/8)	3.1	[8/8]	ND		ND		ND		ND		25	[9/2]
-	The	Mn-54 (Approx. 310 days)	ND		ND	ND		1.0	[7/5]	62	[7/5]	ND		ND		ND		0.52	(8/26)	ND		ND		ND	
ot	her γ	Co-60 (Approx. 5 years)	ND		ND	0.50	[7/19]	ND		3.1	[7/8]	ND		ND		ND		ND		ND		ND		ND	
	•	Sb-125 (Approx. 3 years)	ND		ND	1.7	[7/11]	ND		250	[7/15]	1.4	(7/12) (8/26)	ND		12	(8/8)	ND		ND		ND		ND	
		ΑΙΙ β	300	[8/22]	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)	1,200	[8/26]	600	[9/8]	43	(9/13)	360,000	[9/2]
	Н	I-3 (Approx. 12 years)	45,000	[8/29]	ND	500,000	(5/24) (6/7)	630,000	[7/8]	400,000	[8/22]	290,000	[7/12]	98,000	[7/11]	72,000	(8/15)	1200	[9/9]	670	[9/3]	85000	[9/13]	460,000	[8/19]
	Sı	r-90(Approx. 29 years)	Under analysis		Under analysis	1,200	[6/7]	Under analysis		Under analysis		Under analysis		Under analysis		Under analysis		Under analysis		Under analysis		Under analysis		-	

Unit: Bg/L

											Offit. Dq/L
		observa	dwater ition hole o.2	Ground observat No.		observa	ndwater ation hole lo.3	Ground observat No.:	ion hole	observa	dwater tion hole 3-4
Cs	s-134 (Approx. 2 years)	0.50	[7/9]	0.66	[9/1]	3.5	[7/25]	1.2	(7/25) (8/8)	0.52	[9/12]
Cs	s-137 (Approx.30 years)	1.2	(7/11) (8/1)	1.1	(8/29) (9/1)	5.9	[8/8]	2.6	(8/1)	1.3	[9/12]
	Ru-106 (Approx. 370 days)	ND		ND		ND		ND		ND	
The	Mn-54 (Approx. 310 days)	ND		ND		ND		ND		ND	
other y	Co-60 (Approx. 5 years)	ND		ND		ND		ND		ND	
	Sb-125 (Approx. 3 years)	ND		ND		1.1	[9/5]	ND		ND	
	ΑΙΙ β	1,700	[7/8]	380	(7/29)	1,400	[7/11]	180	[8/1]	ND	
H	H-3 (Approx. 12 years)	850	[6/26]	440	[8/26]	3,200	(2012/12/ 12)	460	[8/1]	ND	
S	r-90(Approx. 29 years)	54	[5/31]	Under analysis		8.3	[2012/12/ 12]	Under analysis		Under analysis	

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

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

<Reference> The Highest Dose Until the Previous Measurement* (Seawater)

Unit: Bq/L

	Unit 5,6	rth side of discharge annel	,	ont of Unit 6 ake channel	,	front of draft quay	Unit 1-4 w		Unit 1-4 v channel of East	rth side of water intake (north side t Seawall reak)	(Inside	1 Screen the Silt nce)	water into		water inta of Unit 1	ween the ke channel and Unit 2 r layer)	(Inside	2 Screen the Silt nce)	water inta of Unit 2	ween the ike channel and Unit 3 ce layer)	water inta of Unit 2		(Inside	3 Screen the Silt nce)
Cs-134(Approx. 2 years)	1.8	[6/21]	2.4	(8/19)	5.3	(8/5)	54	(9/10)	16	[8/12]	24	(8/12) (8/19)	39	(9/10)	13	[8/29]	26	(8/19)	21	[8/12]	3.5	[8/20]	350	(7/15)
Cs-137(Approx.30 years)	3.3	[6/26]	4.7	[8/19]	8.6	(8/5)	110	(9/10)	33	[8/12]	51	[8/12]	80	(9/10)	25	[8/29]	52	(8/19)	38	[9/9]	9.8	[8/20]	770	(7/15)
ΑΙΙ β	ND		46	[8/19]	40	[7/3]	1,100	(8/15)	320	[8/12]	700	[8/12]	740	(8/15)	450	[7/16]	520	[9/9]	450	[9/9]	85	[8/20]	1,000	[7/15]
H-3 (Approx. 12 years)	8.6	[6/26]	24	[8/19]	340	[6/26]	4,700	[8/15]	460	[7/15]	2,500	[8/12]	2,600	[8/15]	1,600	[9/1]	1,500	[9/9]	720	[8/12]	-		410	[9/2]
Sr-90 (Approx. 29 years)	5.8	[6/26]	-		7.4	[6/26]	Under analysis		Under analysis		Under analysis		Under analysis		Under analysis		Under analysis		Under analysis		-		Under analysis	

Unit: Bq/L

	water inta of Unit 3		water into	tween the ake channel and Unit 4 er layer)	(Inside	t 4 Screen e the Silt ence)	south o	ound the discharge annel	1F, Por	t entrance		side in the ort	1F, West			n side in the port		n side in the port	North side of the north breakwater	East side of the port entrance	South side of the south breakwater
Cs-134(Approx. 2 years)	22	[8/12]	4.8	[8/20]	46	[7/8]	ND		1.6	[8/19]	2.9	[8/19]	2.6	[8/19]	ND		2.1	[8/19]	ND	ND	ND
Cs-137(Approx.30 years)	45	[8/12]	7.7	[8/20]	93	[7/8]	3.0	[7/15]	4.7	[8/19]	6.6	[8/19]	6.5	[8/19]	4.7	[8/19]	4.6	[8/19]	ND	ND	ND
ΑΙΙ β	390	[8/12]	57	[8/20]	310	[8/12]	ND		69	[8/19]	74	[8/19]	60	[7/4]	69	[8/19]	79	[8/19]	ND	ND	ND
H-3 (Approx. 12 years)	650	[8/12]	-		400	[8/12]	ND		68	[8/19]	67	[8/19]	59	[8/19]	52	[8/19]	60	(8/19)	4.7 [8/14]	ND	ND
Sr-90 (Approx. 29 years)	Under analysis		-		Under analysis		0.36	[6/26]	3.5	[6/20]	Under analysis		Under analysis		-		-		-	-	-

^{*} The highest result announced in "Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection" or the other handouts is provided.

As for "1F, North side of Unit 1-4 water intake channel", the data is obtained since January 14, 2013. For the other locations, the data is obtained since June 14.

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

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

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