

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: Bq/L

		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.1-4	Underground water observation hole No.1-5	Underground water observation hole No.2	Underground water observation hole No.2-1	Underground water observation hole No.3	Underground water observation hole No.3-1
Date of sampling		Aug 5, 2013	Aug 5, 2013	Aug 5, 2013	Aug 5, 2013		Aug 5, 2013	Aug 5, 2013		
Time of sampling		12:23 PM	12:46 PM	11:18 AM	10:40 AM		11:18 AM	10:40 AM		
Cs-134 (Approx. 2 years)		ND(0.52)	350	ND(0.61)	ND(0.46)		ND(0.42)	ND(0.44)		
Cs-137 (Approx.30 years)		0.62	750	ND(0.60)	0.65		ND(0.53)	0.55		
The other γ	Ru-106 (Approx. 370 days)	17	ND	11	ND		ND	ND		
	Sb-125 (Approx. 3 years)	ND	110	ND	ND		ND	ND		
All β		1,400	880,000	150,000	130		450	ND(22)		
H-3 (Approx. 12 years)		430,000	390,000	230,000	64,000		700	210		
Sr-90 (Approx. 29 years)		-	-	-	-		-	-		

* Data announced this time is provided in a thick-frame. The other data was announced on August 6.

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

* "-" 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

	Underground water observation hole No.0-1 ¹¹	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.1-4	Underground water observation hole No.1-5	Underground water observation hole No.2	Underground water observation hole No.2-1	Underground water observation hole No.3	Underground water observation hole No.3-1
Date of sampling	Aug 8, 2013	Aug 8, 2013	Aug 8, 2013	Aug 8, 2013	Aug 8, 2013	Aug 8, 2013	Aug 8, 2013	Aug 8, 2013	Aug 8, 2013	Aug 8, 2013
Time of sampling	2:15 PM	11:29 AM	1:38 PM	12:18 PM	11:00 AM	1:05 PM	11:36 AM	11:05 AM	2:19 PM	3:04 PM
Cs-134 (Approx. 2 years)	0.61	0.52	200	ND(0.55)	0.55	250	ND(0.39)	ND(0.40)	2.2	1.2
Cs-137 (Approx.30 years)	1.6	1.1	450	1.0	1.2	520	ND(0.49)	0.7	5.9	2.0
The other γ	Ru-106 (Approx. 370 days)	ND	15	ND	17	3.1	ND	ND	ND	ND
	Sb-125 (Approx. 3 years)	ND	ND	170	ND	ND	12	ND	ND	ND
All β	210	1,300	880,000	150,000	170	52,000	390	ND(18)	ND(18)	25
H-3 (Approx. 12 years)	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis
Sr-90 (Approx. 29 years)	Under analysis	-	Under analysis	Under analysis	Under analysis	-	-	-	-	-

* The result of the groundwater observation hole No.0-1 was announced on August 8.

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

* "-" 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)
Date of Sampling	Aug 5, 2013	Aug 5, 2013	Aug 5, 2013	Aug 6, 2013	Aug 5, 2013	Aug 5, 2013	Aug 6, 2013	Aug 6, 2013	Aug 5, 2013
Time of sampling	5:55 AM	6:10 AM	6:00 AM	6:05 AM	6:42 AM	6:10 AM	6:13 AM	6:13 AM	6:15 AM
Cs-134(Approx. 2 years)	ND(1.4)	ND(2.0)	5.3	13	7.9	12	19	4.2	11
Cs-137(Approx.30 years)	ND(1.5)	ND(2.7)	8.6	32	15	28	36	11	24
All β	ND(22)	ND(22)	31	410	190	260	360	120	240
H-3 (Approx. 12 years)	3.7	4.1	ND(130)	1,300	200	1,200	1,400	210	500
Sr-90 (Approx. 29 years)	-	-	-	-	-	-	-	-	-

Unit: Bq/L

	1F, Between the water intake channel of Unit 2 and Unit 3	1F, Unit 3 Screen (Inside the Silt Fence)	1F, Between the water intake channel of Unit 3 and Unit 4	1F, Unit 4 Screen (Inside the Silt Fence)	1F, Around the south discharge channel	1F, Port entrance	1F, East side in the port	1F, West side in the port
Date of Sampling	Aug 5, 2013	Aug 5, 2013	Aug 5, 2013	Aug 5, 2013	Aug 5, 2013			
Time of sampling	6:19 AM	6:25 AM	6:29 AM	6:28 AM	5:20 AM			
Cs-134(Approx. 2 years)	15	69	12	27	ND(1.3)			
Cs-137(Approx.30 years)	34	140	28	58	ND(1.6)			
All β	210	290	210	210	ND(18)			
H-3 (Approx. 12 years)	320	240	280	210	ND(3.1)			
Sr-90 (Approx. 29 years)	-	-	-	-	-			

* Data announced this time is provided in a thick-frame. The other data was announced on August 6 and 7.

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

* "-" 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 (Inside the Silt Fence)
Date of Sampling	/	/	/	Aug 8, 2013	/	/	Aug 8, 2013	Aug 8, 2013	/
Time of sampling	/	/	/	6:02 AM	/	/	6:08 AM	6:08 AM	/
Cs-134(Approx. 2 years)	/	/	/	17	/	/	18	6	/
Cs-137(Approx.30 years)	/	/	/	46	/	/	37	13	/
All β	/	/	/	610	/	/	390	200	/
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 2 and Unit 3	1F, Unit 3 Screen (Inside the Silt Fence)	1F, Between the water intake channel of Unit 3 and Unit 4	1F, Unit 4 Screen (Inside the Silt Fence)	1F, Around the south discharge channel	1F, Port entrance	1F, East side in the port	1F, West side in the port
Date of Sampling	/	/	/	/	/	/	/	/
Time of sampling	/	/	/	/	/	/	/	/
Cs-134(Approx. 2 years)	/	/	/	/	/	/	/	/
Cs-137(Approx.30 years)	/	/	/	/	/	/	/	/
All β	/	/	/	/	/	/	/	/
H-3 (Approx. 12 years)	/	/	/	/	/	/	/	/
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.

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

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

Unit: Bq/L

		Groundwater observation hole No.0-1	Groundwater observation hole No.1	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
Cs-134 (Approx. 2 years)		0.61 [8/8]	1.1 [7/1]	1.9 [7/8]	11,000 [7/9]	ND	1.5 [7/8]	310 [8/5]
Cs-137 (Approx.30 years)		1.6 [8/8]	1.5 [7/1]	3.6 [7/8]	22,000 [7/9]	1.4 [7/12]	3.6 [7/8]	650 [8/5]
The other y	Ru-106 (Approx. 370 days)	ND	26 [5/24]	7.9 [7/8]	95 [7/5]	17 [7/22]	ND	ND
	Mn-54 (Approx. 310 days)	ND	ND	1.0 [7/5]	62 [7/5]	ND	ND	ND
	Co-60 (Approx. 5 years)	ND	0.50 [7/19]	ND	3.1 [7/8]	ND	ND	ND
	Sb-125 (Approx. 3 years)	ND	1.7 [7/11]	ND	250 [7/15]	1.4 [7/12]	ND	6.7 [8/6]
All β		210 [8/8]	1,900 [5/24]	4,400 [7/8]	900,000 [7/5] [7/9]	150,000 [7/22] [7/25] [7/29] [8/1] [8/5]	330 [7/8]	56,000 [8/5]
H-3 (Approx. 12 years)		Under analysis	500,000 [5/24] [6/7]	630,000 [7/8]	380,000 [7/5] [7/11] [8/1]	290,000 [7/12]	98,000 [7/11]	56,000 [8/5]
Sr-90(Approx. 29 years)		Under analysis	1,200 [6/7]	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis

Unit: Bq/L

		Groundwater observation hole No.2	Groundwater observation hole No.2-1	Groundwater observation hole No.3	Groundwater observation hole No.3-1
Cs-134 (Approx. 2 years)		0.50 [7/9]	0.44 [8/1]	3.5 [7/25]	1.2 [7/25]
Cs-137 (Approx.30 years)		1.2 [7/11] [8/1]	1.0 [7/29]	4.8 [7/11]	2.6 [8/1]
The other y	Ru-106 (Approx. 370 days)	ND	ND	ND	ND
	Mn-54 (Approx. 310 days)	ND	ND	ND	ND
	Co-60 (Approx. 5 years)	ND	ND	ND	ND
	Sb-125 (Approx. 3 years)	ND	ND	ND	ND
All β		1,700 [7/8]	380 [7/29]	1,400 [7/11]	180 [8/1]
H-3 (Approx. 12 years)		850 [6/26]	180 [8/1]	3,200 [2012/12/12]	460 [8/1]
Sr-90(Approx. 29 years)		54 [5/31]	Under analysis	8.3 [2012/12/12]	Under analysis

* "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

	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)
Cs-134(Approx. 2 years)	1.8 [6/21]	ND	5.3 [8/5]	31 [3/11]	7.9 [8/5]	17 [7/15]	17 [7/30]	9.9 [7/23]	16 [7/3]
Cs-137(Approx.30 years)	3.3 [6/26]	3.1 [7/15]	8.6 [8/5]	56 [3/11]	18 [7/15]	37 [7/15]	38 [7/28]	19 [7/23]	34 [7/3]
All β	ND	20 [7/2]	40 [7/3]	660 [7/28]	250 [7/15]	330 [7/29]	360 [8/6]	450 [7/16]	260 [6/26]
H-3 (Approx. 12 years)	8.6 [6/26]	11 [7/15]	340 [6/26]	3,100 [7/28]	460 [7/15]	1,500 [7/29]	1,800 [7/28]	1,200 [8/4]	440 [7/15]
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

Unit: Bq/L

	1F, Between the water intake channel of Unit 2 and Unit 3	1F, Unit 3 Screen (Inside the Silt Fence)	1F, Between the water intake channel of Unit 3 and Unit 4	1F, Unit 4 Screen (Inside the Silt Fence)	1F, Around the south discharge channel	1F, Port entrance	1F, East side in the port	1F, West side in the port
Cs-134(Approx. 2 years)	15 [8/5]	350 [7/15]	12 [7/15] [8/5]	46 [7/8]	ND	ND	ND	ND
Cs-137(Approx.30 years)	34 [8/5]	770 [7/15]	28 [8/5]	93 [7/8]	3.0 [7/15]	3.7 [6/26]	3.3 [7/4]	3.3 [6/26]
All β	250 [7/15]	1,000 [7/15]	260 [7/15]	300 [7/15]	ND	31 [6/26]	40 [7/4]	60 [7/4]
H-3 (Approx. 12 years)	660 [7/29]	220 [6/21]	430 [7/15]	260 [6/26] [7/29]	ND	29 [6/26]	44 [7/4]	37 [7/4]
Sr-90 (Approx. 29 years)	Under analysis	Under analysis	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.

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

* Date of sampling is provided in parentheses.

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