

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 6, 2013			
Time of sampling						11:55 AM	10:38 AM			
Cs-134 (Approx. 2 years)						310	260			
Cs-137 (Approx.30 years)						650	540			
The other γ	Sb-125 (Approx. 3 years)					ND	6.7			
All β						56,000	47,000			
H-3 (Approx. 12 years)						Under analysis	Under analysis			
Sr-90 (Approx. 29 years)						-	-			

* Data announced this time is provided in a thick-frame. The other data was announced on August 5.

* "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.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 1, 2013	Aug 1, 2013	Aug 1, 2013	Aug 1, 2013		Aug 1, 2013	Aug 1, 2013	Aug 1, 2013	Aug 2, 2013	Aug 1, 2013	Aug 2, 2013
Time of sampling		11:55 AM	12:25 PM	11:20 AM	10:43 AM		12:05 PM	11:19 AM	12:59 PM	2:25 PM	1:38 PM	3:45 PM
Cs-134 (Approx. 2 years)		ND(0.44)	760	ND(0.50)	0.50		ND(0.35)	0.44	1.8	2.4	1.1	1.0
Cs-137 (Approx.30 years)		0.55	1,600	0.75	1.4		1.2	0.95	4.2	4.0	2.6	2.3
The other γ	Ru-106 (Approx. 370 days)	14	ND	15	ND		ND	ND	ND	ND	ND	ND
	Sb-125 (Approx. 3 years)	ND	110	ND	ND		ND	ND	ND	ND	ND	ND
All β		1,300	870,000	150,000	130		210	ND(17)	ND(17)	ND(18)	180	ND(18)
H-3 (Approx. 12 years)		440,000	380,000	250,000	57,000		640	180	1,400	1,500	460	370
Sr-90 (Approx. 29 years)		-	-	-	-		-	-	-	-	-	-

* Data announced this time is provided in a thick-frame. The other data was announced on August 2 and 3.

* "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)
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)		Under analysis	Under analysis	Under analysis	Under analysis		Under analysis	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.

* "-" 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 5, 2013	Aug 5, 2013	Aug 5, 2013	/	Aug 5, 2013	Aug 5, 2013	/	/	Aug 5, 2013
Time of sampling	5:55 AM	6:10 AM	6:00 AM	/	6:42 AM	6:10 AM	/	/	6:15 AM
Cs-134(Approx. 2 years)	ND(1.4)	ND(2.0)	5.3	/	7.9	12	/	/	11
Cs-137(Approx.30 years)	ND(1.5)	ND(2.7)	8.6	/	15	28	/	/	24
All β	ND(22)	ND(22)	31	/	190	260	/	/	240
H-3 (Approx. 12 years)	Under analysis	Under analysis	Under analysis	/	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	Aug 5, 2013	Aug 5, 2013	Aug 5, 2013	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	11:54 AM	11:58 AM	12:02 PM
Cs-134(Approx. 2 years)	15	69	12	27	ND(1.3)	ND(1.9)	ND(1.4)	ND(1.8)
Cs-137(Approx.30 years)	34	140	28	58	ND(1.6)	ND(2.4)	ND(2.0)	ND(1.9)
All β	210	290	210	210	ND(18)	ND(20)	ND(20)	ND(20)
H-3 (Approx. 12 years)	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	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.

* "-" 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.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)		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)		1.5 [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)	26 [5/24]	7.9 [7/8]	95 [7/5]	17 [7/22]	ND	ND
	Mn-54 (Approx. 310 days)	ND	1 [7/5]	62 [7/5]	ND	ND	ND
	Co-60 (Approx. 5 years)	0.50 [7/19]	ND	3.1 [7/8]	ND	ND	ND
	Sb-125 (Approx. 3 years)	1.7 [7/11]	ND	250 [7/15]	1.4 [7/12]	ND	ND
All β		1,900 [5/24]	4,400 [7/8]	900,000 [7/5] [7/9]	150,000 [7/22] [7/25] [7/29] [8/1]	330 [7/8]	56,000 [8/5]
H-3 (Approx. 12 years)		500,000 [5/24] [6/7]	630,000 [7/8]	380,000 [7/5] [7/11]	290,000 [7/12]	98,000 [7/11]	28,000 [7/31]
Sr-90(Approx. 29 years)		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]	170 [7/29]	3,200 [2012/12/1 2]	310 [7/25]
Sr-90(Approx. 29 years)		54 [5/31]	Under analysis	8.3 [2012/12/1 2]	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	1.9 [7/3]	31 [3/11]	7.7 [7/15]	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]	5.7 [7/15]	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]	340 [7/30]	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]	690 [7/28]	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)	9.3 [7/15]	350 [7/15]	12 [7/15]	46 [7/8]	ND	ND	ND	ND
Cs-137(Approx.30 years)	23 [7/29]	770 [7/15]	26 [7/15]	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.