

[Reference] Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection Seawater

Analysis Results by Conventional Method (Gas Flow Proportional Counter [LBC]) (1/2)

These results are not fixed, since inconsistent data was found (the red part) in some of the analysis results by conventional method. The cause of the inconsistency is confirmed to be found at the data analyzed via certain instruments, or the Strontium 90 values were found to be overevaluated than the original value, by reanalyzing via beta nuclide analysis equipment ("Pico beta") which was introduced in September. By these reasons, we are investigating the cause of the overevaluation, and remeasuring Strontium 90.

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				Jun 21, 2013	Jun 27, 2013	Jun 21, 2013	Jun 21, 2013	Jun 26, 2013	Jun 21, 2013
Time of sampling				6:18	9:50	6:23	11:00	16:55	6:29
Cs-134(Approx. 2 years)				12	6.1	6.9	9.4	6.2	7.1
Cs-137(Approx.30 years)				28	12	15	19	9.3	14
Gross β				310	200	160	330	210	230
H-3 (Approx. 12 years)				1,100	180	480	910	360	290
Sr-90 (Approx. 29 years)				350	230	150	300	290	270

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	Jun 26, 2013	Jun 21, 2013	Jun 26, 2013	Jun 21, 2013				
Time of sampling	6:51	6:33	6:47	6:37				
Cs-134(Approx. 2 years)	8.8	64	9.9	31				
Cs-137(Approx.30 years)	18	110	23	70				
Gross β	220	270	230	250				
H-3 (Approx. 12 years)	350	220	250	ND(210)				
Sr-90 (Approx. 29 years)	250	190	240	200				

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

* "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] Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection Seawater

Analysis Results by Conventional Method (Gas Flow Proportional Counter [LBC]) (2/2)

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	Jul 22, 2013		Jul 22, 2013	Jul 23, 2013	Jul 22, 2013	Jul 22, 2013	Jul 23, 2013	Jul 23, 2013	Jul 22, 2013
Time of sampling	5:50		5:25	6:23	6:14	5:38	6:33	6:33	5:45
Cs-134(Approx. 2 years)	ND(1.4)		ND(1.9)	18	ND(1.8)	4.8	15	9.9	ND(1.9)
Cs-137(Approx.30 years)	ND(1.3)		ND(2.2)	40	ND(1.8)	8.4	27	19	ND(1.9)
Gross β	ND(21)		ND(21)	240	ND(21)	79	120	100	ND(21)
H-3 (Approx. 12 years)	ND(3.2)		ND(120)	990	ND(120)	320	580	370	ND(120)
Sr-90(Approx. 29 years)	0.25		0.25	280	7.5	100	120	120	6.8

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	Jul 22, 2013	Jul 22, 2013	Jul 22, 2013	Jul 22, 2013	Jul 22, 2013	Jul 22, 2013		
Time of sampling	5:49	11:13	6:02	11:16	5:15	11:32		
Cs-134(Approx. 2 years)	ND(1.7)	31	ND(2.0)	12	ND(1.2)	ND(1.9)		
Cs-137(Approx.30 years)	ND(1.8)	63	ND(2.0)	26	ND(1.4)	ND(2.0)		
Gross β	ND(21)	120	ND(21)	49	ND(20)	ND(18)		
H-3 (Approx. 12 years)	ND(120)	ND(120)	ND(120)	ND(120)	ND(3.2)	ND(3.0)		
Sr-90(Approx. 29 years)	4.1	35	5.5	16	ND(0.041)	0.82		

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

* "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.