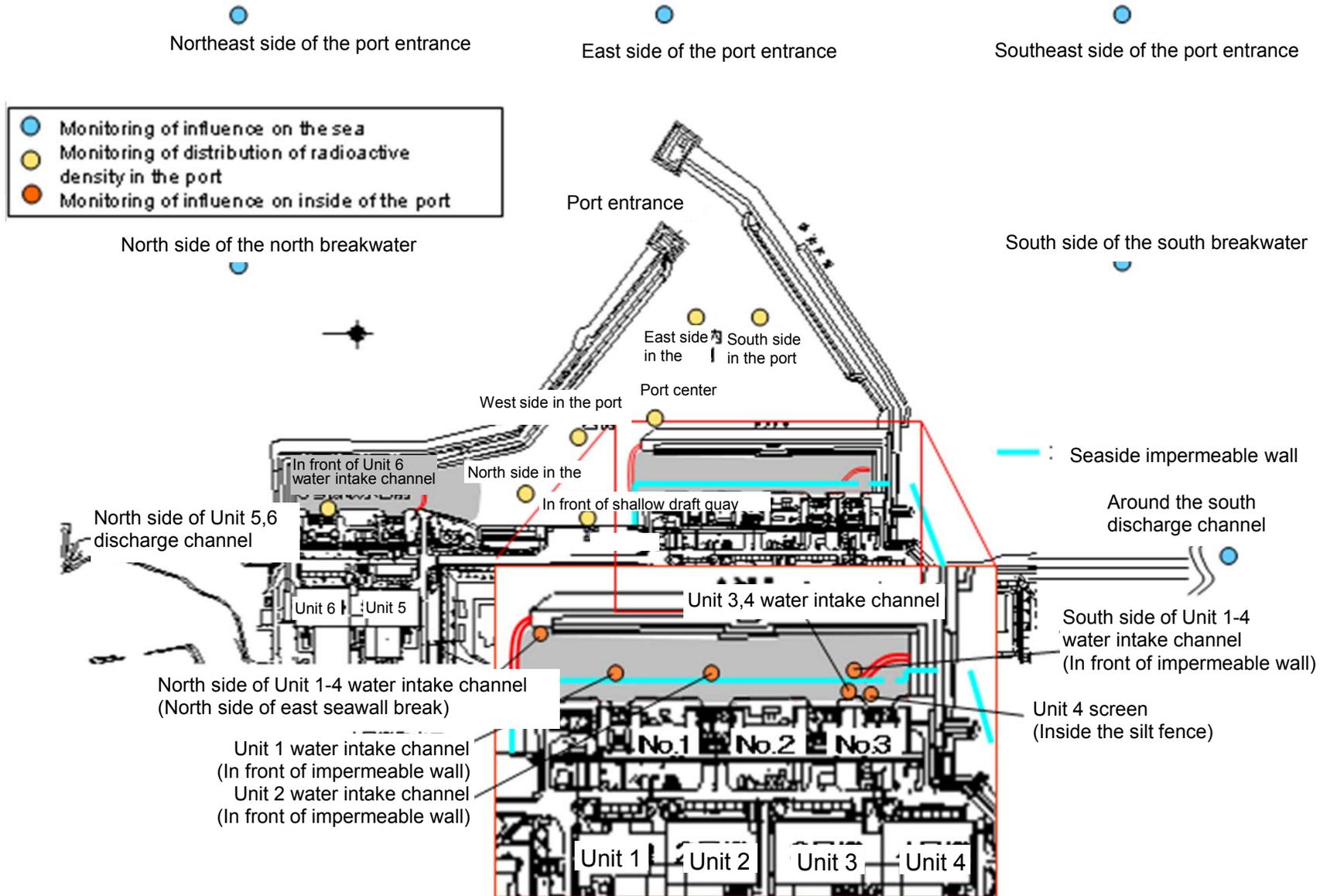


# Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection (Sampling Locations of Seawater)



## Detailed Analysis Results in the Port of Fukushima Daiichi NPS, around Discharge Channel and Bank Protection 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 (north side of East Seawall Break)	1F, In front of Unit 1 intake channel (in front of impermeable wall)	1F, In front of Unit 2 intake channel (in front of impermeable wall)	1F, Between the water intake channel of Unit 3 and Unit 4	1F, Unit 4 Screen (Inside the Silt Fence)	1F, South side of Unit 1-4 water intake channel (In front of impermeable wall)	1F, Around the south discharge channel	1F, Port entrance	Density Limit Specified by the Reactor Regulation *	WHO Guidelines for drinking-water quality
Date of Sampling		Oct 13, 2014	Oct 13, 2014	Oct 13, 2014	Oct 13, 2014	Oct 13, 2014	Oct 13, 2014	Oct 13, 2014	Oct 13, 2014				
Time of sampling		7:02 AM	7:07 AM	7:32 AM	7:12 AM	7:15 AM	7:22 AM	7:25 AM	7:19 AM				
Cs-134(Approx. 2 years)		ND(2.1)	ND(2.2)	4.3	6.5	4.1	4.7	3.9	4.5			60	10
Cs-137(Approx.30 years)		ND(2.6)	2.4	14	16	16	16	17	15			90	10
Gross β		ND(19)	ND(19)	75	62	62	42	49	65				
H-3 (Approx. 12 years)		Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis	Under analysis			60,000	10,000
Sr-90(Approx. 29 years)		—	—※1	—※1	—	—	—※1	—※1	—			30	10

Unit: Bq/L

	1F, East side in the port	1F, West side in the port	1F, North side in the port	1F, South side in the port	1F, Port center	North side of the north breakwater	Northeast side of the port entrance	East side of the port entrance	Southeast side of the port entrance	South side of the south breakwater	Density Limit Specified by the Reactor Regulation *	WHO Guidelines for drinking-water quality
Date of Sampling					Oct 13, 2014							
Time of sampling					7:29 AM							
Cs-134(Approx. 2 years)					ND(2.5)						60	10
Cs-137(Approx.30 years)					5.2						90	10
Gross β					33							
H-3 (Approx. 12 years)					Under analysis						60,000	10,000
Sr-90(Approx. 29 years)					—						30	10

\* "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.

\* Density Limit Specified by the Rule for the Installation, Operation, etc. of Commercial Nuclear Power Reactors (the density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2 [the amount is converted from Bq/cm<sup>3</sup> to Bq/L]).

\*※1 The data announced as "Under analysis" on October 14, are revised as "-"(the measurement was out of range) on October 21, 2014

<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 (north side of East Seawall Break)	1F, In front of Unit 1 intake channel (in front of impermeable wall)	1F, Between the water intake channel of Unit 1 and Unit 2 (lower layer)	1F, Between the water intake channel of Unit 3 and Unit 4	1F, Unit 4 Screen (Inside the Silt Fence)	1F, South side of Unit 1-4 water intake channel (in front of impermeable wall)	1F, Around the south discharge channel	1F, Port entrance
Cs-134(Approx. 2 years)	1.8 [6/21]	2.8 [12/2]	5.3 [8/5]	32 [10/11]	12 <6/23>	12 <9/8>	50 <9/22>	62 [9/16]	15 <4/14> <5/19>	1.8 <6/9>	3.3 [12/24]
Cs-137(Approx.30 years)	4.5 <3/17>	5.8 [12/2]	8.6 [8/5]	73 [10/11]	33 <5/12>	40 <9/8>	150 <9/22>	140 [9/16] <9/22>	45 <5/19>	4.9 <6/9>	7.3 [10/11]
Gross β	17 <1/6>	46 [8/19]	40 [7/3]	320 [8/12]	140 <5/5> <7/14> <8/18> <9/1>	160 <8/18>	660 <6/9>	680 <9/22>	380 <3/10>	16 <6/9> <8/4>	69 [8/19]
H-3 (Approx. 12 years)	8.7 <5/12>	24 [8/19]	340 [6/26]	600 [8/18]	460 <8/18>	350 <8/18>	2,500 <6/23>	2,200 <7/21>	810 <8/4>	5.6 <5/19>	68 [8/19]
Sr-90 (Approx. 29 years)	4.7 [6/26]	—	7.2 [6/26]	220 [8/19]	—	—	660 <6/9>	470 <8/4>	—	0.29 [6/26]	49 [8/19]

	1F, East side in the port	1F, West side in the port	1F, North side in the port	1F, South side in the port	1F, Port center	North side of the north breakwater	Northeast side of the port entrance	East side of the port entrance	Southeast side of the port entrance	South side of the south breakwater
Cs-134(Approx. 2 years)	3.3 [10/17]	4.4 [12/24]	5.0 [12/2]	3.5 [10/17]	ND	ND	ND	ND	ND	ND
Cs-137(Approx.30 years)	9.0 [10/17]	10.0 [12/24]	8.4 [12/2]	7.8 [10/17]	7.8 <10/7>	ND	0.7 <10/8>	1.6 [10/18]	ND	ND
Gross β	74 [8/19]	60 [7/4]	69 [8/19]	79 [8/19]	58 <10/7>	ND	ND	ND	ND	ND
H-3 (Approx. 12 years)	67 [8/19]	59 [8/19]	52 [8/19]	60 [8/19]	54 <10/7>	4.7 [8/14]	1.8 <10/1>	6.4 [10/8]	1.8 <5/29>	2.8 <4/23>
Sr-90 (Approx. 29 years)	—	—	—	—	—	—	—	—	—	—

\* 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, 2013.

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

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

\* Date of sampling is provided in parentheses. ( ): 2013, < >: 2014

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

[Reference] Standard values

Unit: Bq/L

	Cs-134	Cs-137	H-3	Sr-90
Density Limit Specified by the Rule for the Installation, Operation, etc. of Commercial Nuclear Power Reactors (the density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2)	60	90	60,000	30
WHO Guidelines for drinking-water quality	10	10	10,000	10