

## Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS &lt; 1/2 &gt;

(Data summarized on March 28)

Place of Sampling	Shallow Draft Quay at 1F*				Inside Unit 1-4 Water Intake Canal (North) at 1F (North side of the East Seawall Break)		Seawater Obtained at Unit 2 Screen in 1F		Seawater Obtained at Unit 3 Screen in 1F		1F Unit 4 Screen (Outside the Silt Fence)		② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Time of Sampling	Mar 27, 2014 7:32 AM	N/A		Mar 27, 2014 7:58 AM	Mar 27, 2014 7:43 AM	Mar 27, 2014 7:50 AM	Mar 27, 2014 7:52 AM					
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (Approx. 2 years)	ND	-	-	-	ND	-	9.7	0.16	15	0.25	15	0.25	60
Cs-137 (Approx. 30 years)	ND	-	-	-	2.1	0.02	28	0.31	35	0.39	41	0.46	90

\* The density specified by the Reactor Regulation is converted from Bq/cm<sup>3</sup> to Bq/L.

\* Data of other nuclides is under evaluation.

\* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

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

I-131: Approx. 3Bq/L, Cs-134: Approx.2Bq/L, Cs-137: Approx.2Bq/L

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

\* The sampling will be performed after opening and closing of the silt fence.

\* The sampling point "seawater Obtained at Unit 1 Screen in 1F" was abolished due to landfill work of impermeable wall at the sea side.

## Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS &lt; 2/2 &gt;

(Data summarized on March 28)

Place of Sampling	1F Unit 4 Screen (Inside the Silt Fence)		Inside Unit 1-4 Water Intake Canal (South) at 1F		Port Entrance of Fukushima Daiichi NPS*		In Front of Unit 6* Water Intake Canal at 1F						② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Time of Sampling	Mar 27, 2014 7:53 AM	Mar 27, 2014 7:55 AM	N/A	N/A								
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
	I-131 (Approx. 8 days)	ND	-	ND	-	-	-	-	-				
Cs-134 (Approx. 2 years)	24	0.40	29	0.48	-	-	-	-					60
Cs-137 (Approx. 30 years)	67	0.74	77	0.86	-	-	-	-					90

\* The density specified by the Reactor Regulation is converted from Bq/cm<sup>3</sup> to Bq/L.

\* Data of other nuclides is under evaluation.

\* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

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

I-131: Approx. 3Bq/L

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

\* The sampling will be performed once a week (it will be performed on the day when opening and closing of the silt fence is conducted.).

Result of Pu Nuclide Analysis of Seawater at Fukushima Daiichi Nuclear Power Station <1/2>

1. Measurement Result:

(Data summarized on March 28)

(Unit: Bq/L)

Place of Sampling	Date	Pu-238	Pu-239+Pu-240
1F, North of Unit 1-4 Water Intake	Aug 22, 2013	N.D. [ $8.3 \times 10^{-4}$ ]	N.D. [ $8.3 \times 10^{-4}$ ]

[ ] shows below the detection limit.

2. Analytical Institution

KAKEN Inc.

3. Evaluation:

Pu-238 and Pu-239+Pu-240 were not detected in the sample collected this time.

End

Result of Pu Nuclide Analysis of Seawater at Fukushima Daiichi Nuclear Power Station <2/2>

1. Measurement Result:

(Data summarized on March 28)

(Unit: Bq/L)

Place of Sampling	Date	Pu-238	Pu-239+Pu-240
1F, North of Unit 1-4 Water Intake	Sep 18, 2013	N.D. [ $6.2 \times 10^{-4}$ ]	N.D. [ $6.8 \times 10^{-4}$ ]

[ ] shows below the detection limit.

2. Analytical Institution

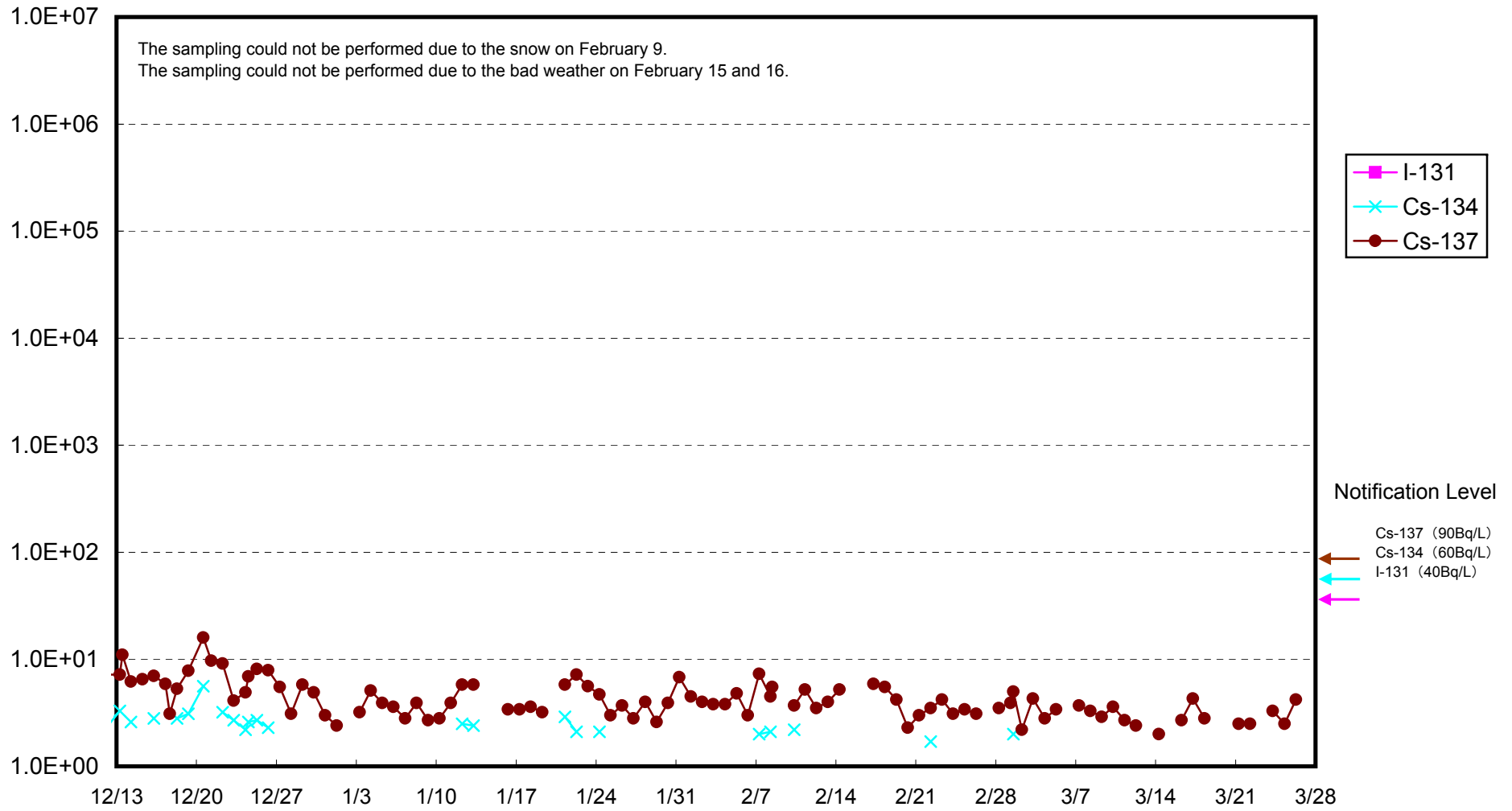
KAKEN Inc.

3. Evaluation:

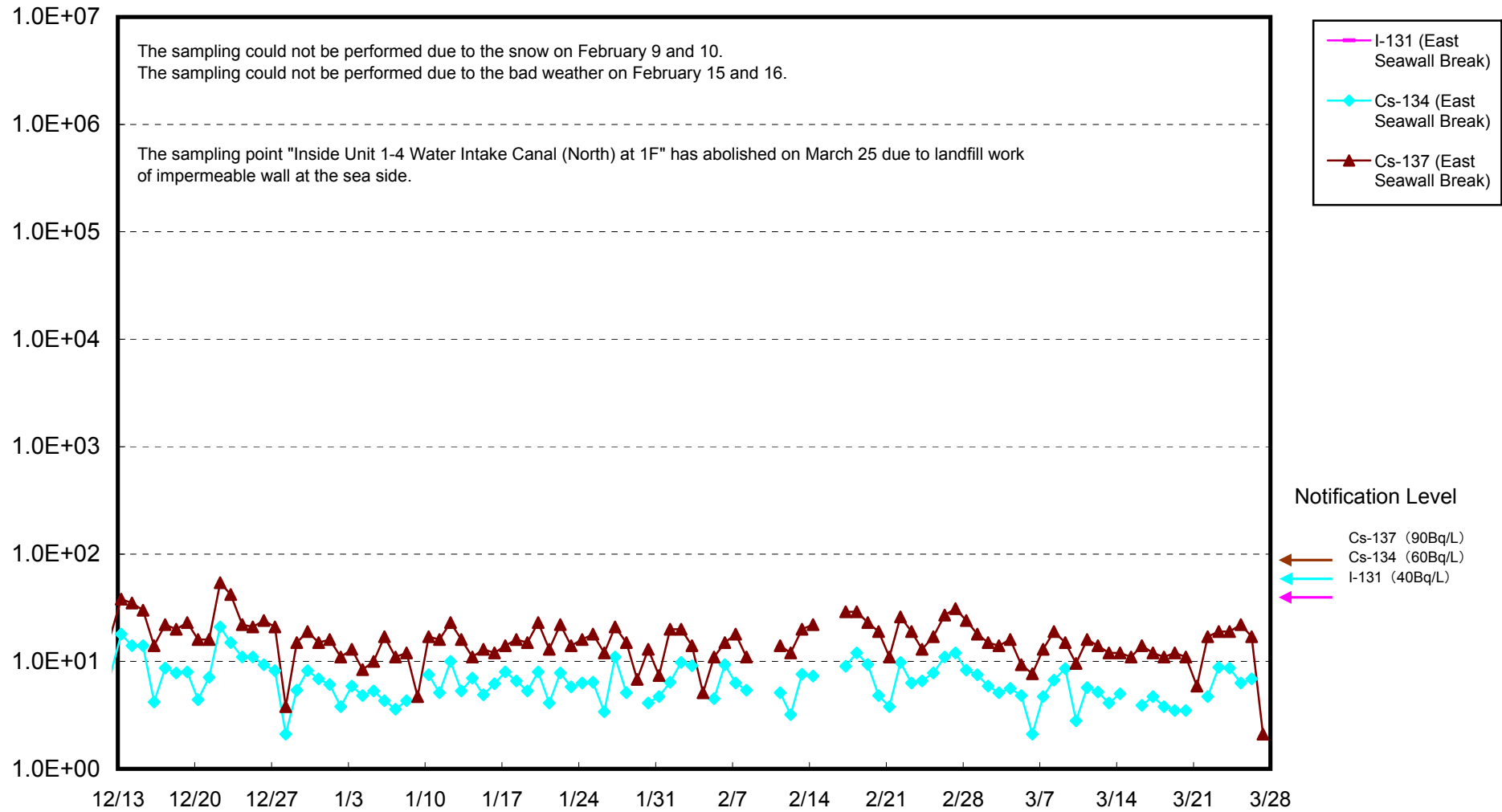
Pu-238 and Pu-239+Pu-240 were not detected in the sample collected this time.

End

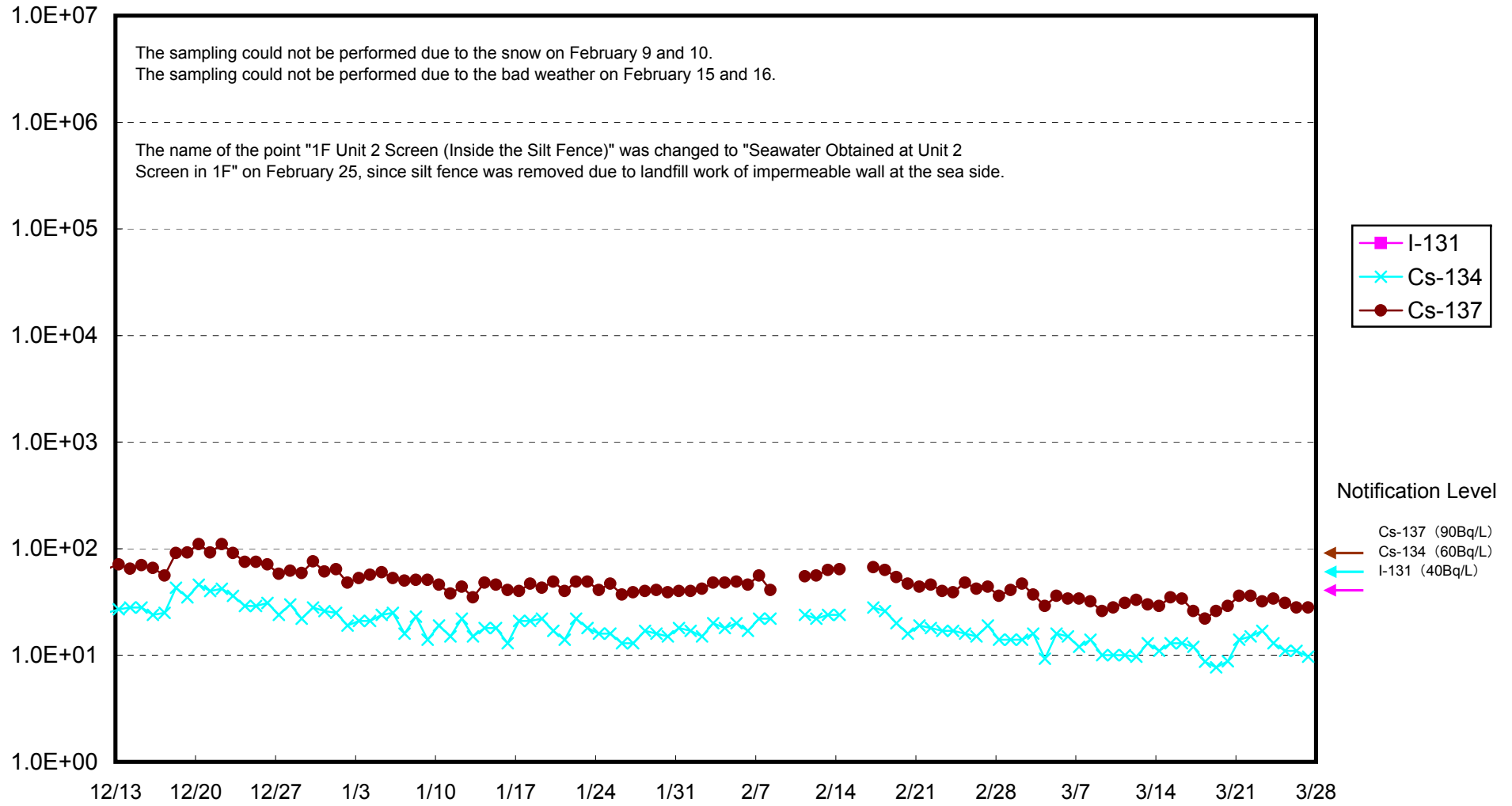
## Radioactivity Density of the Seawater in Front of the Shallow Draft Quay at 1F (Bq/L)



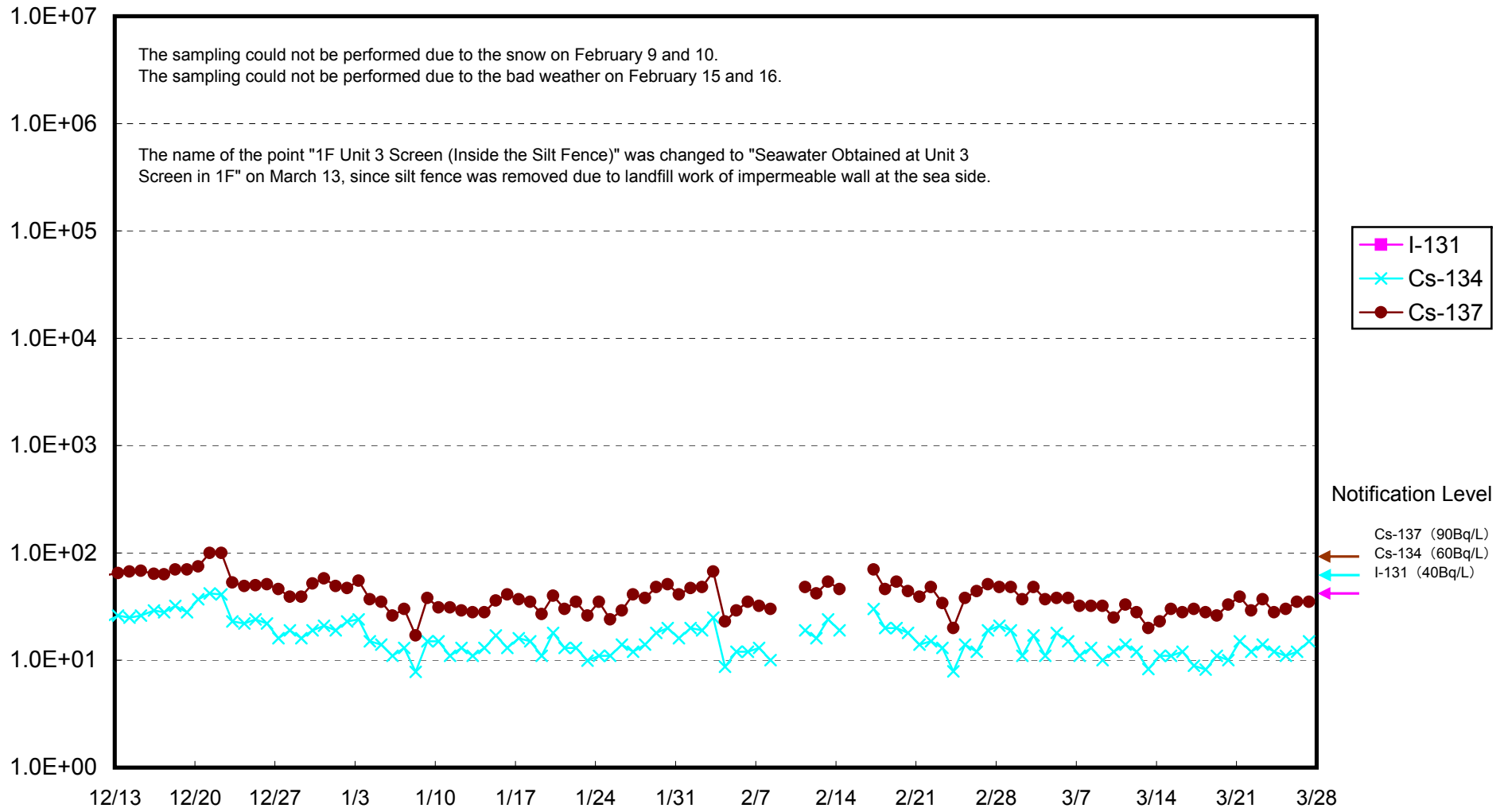
## Radioactivity Density of the Seawater at the North of Unit 1-4 Water Intake (North of East Seawater Break of Fukushima Daiichi NPS (Bq/ L)



## Radioactivity Density of the Seawater Obtained at Unit 2 Screen in Fukushima Daiichi NPS (Bq/L)

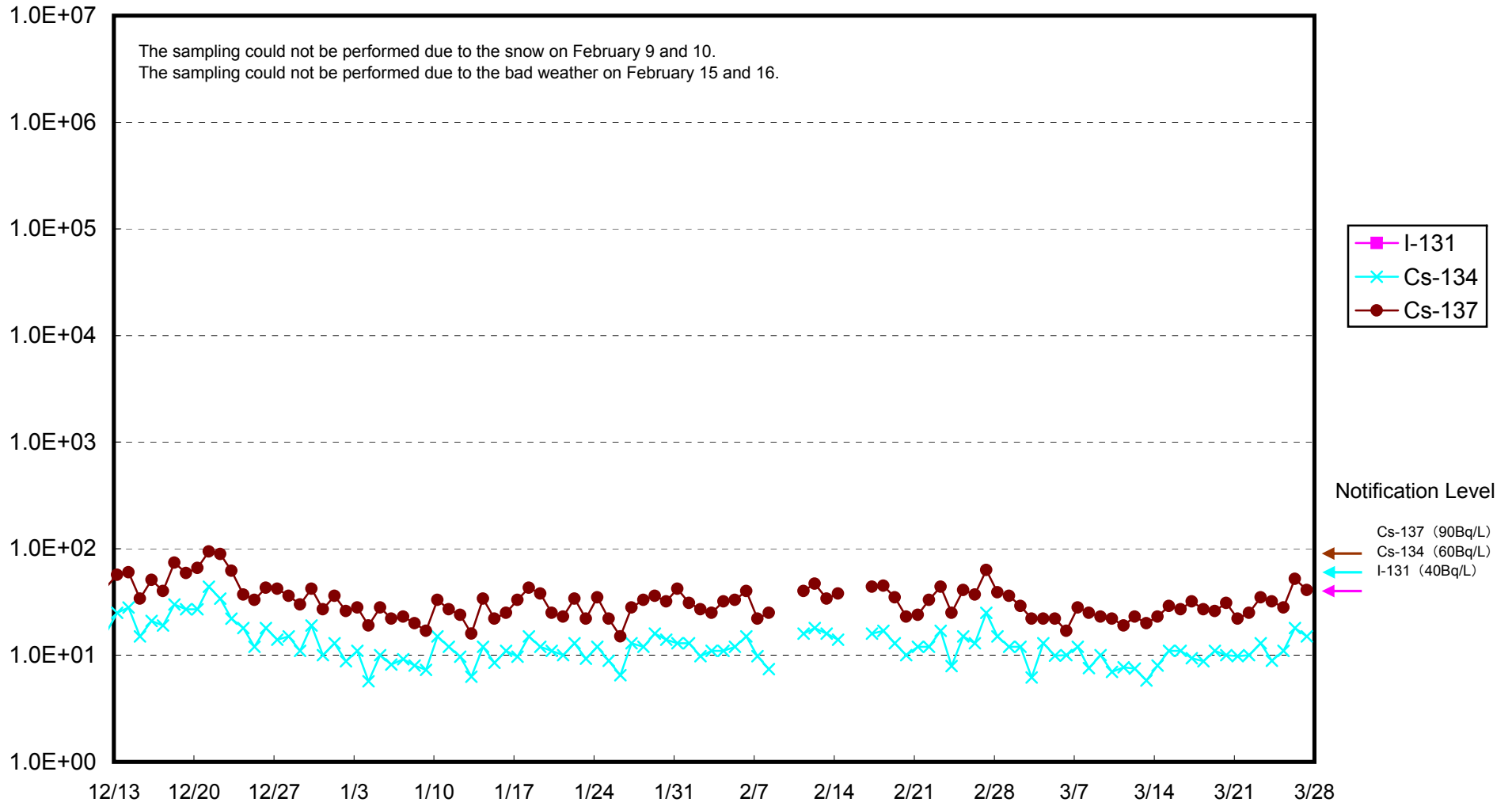


## Radioactivity Density of the Seawater Obtained at Unit 3 Screen in Fukushima Daiichi NPS (Bq/L)

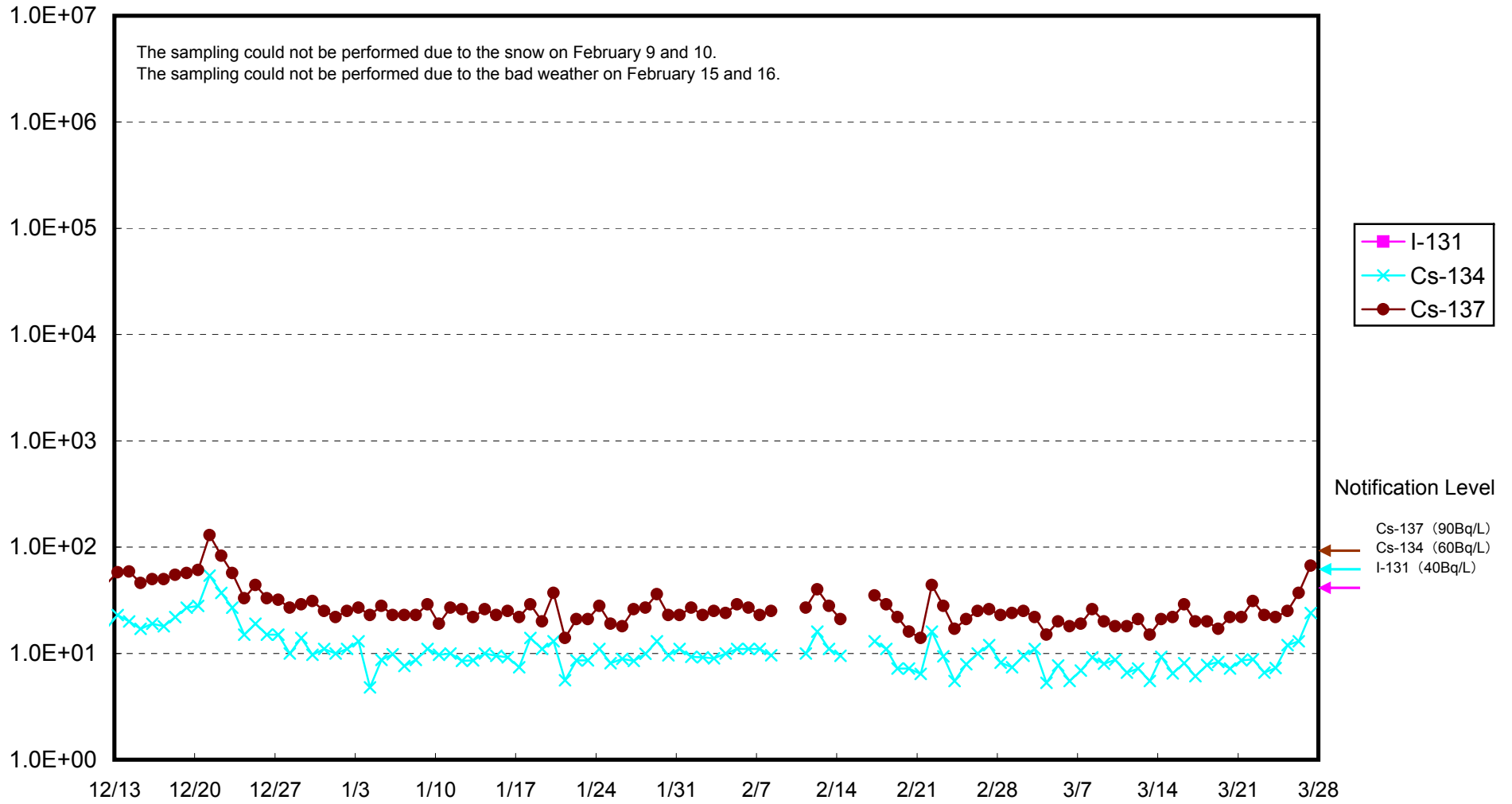




Radioactivity Density of the Seawater at Unit 4 Screen at 1F (Outside the Silt Fence) (Bq/L)



### Radioactivity Density of the Seawater at Unit 4 Screen at 1F (Inside the Silt Fence) (Bq/L)



# Radioactivity Density of the Seawater at the South of Unit 1-4 Water Intake of Fukushima Daiichi NPS (Bq/L)

