

Reference

Nuclide Analysis Results of Radioactive Materials in Seawater
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4<1/2>

(Data summarized on January 7)

Place of Sampling	Shallow Draft Quay of 1F		Inside north water intake canal of 1F's Units 1-4		Screen of 1F's Unit 1 (outside the silt fence)		Screen of 1F's Unit 1 (inside the silt fence)		Screen of 1F's Unit 2 (outside the silt fence)		Screen of 1F's Unit 2 (inside the silt fence)		②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Jan 06, 2012 06:50 am		Jan 06, 2012 06:55 am		Jan 06, 2012 06:57 am		Jan 06, 2012 07:00 am		Jan 06, 2012 07:05 am		Jan 06, 2012 07:07 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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	33	0.55	60	1.0	61	1.0	61	1.0	76	1.3	120	2.0	60
Cs-137 (about 30 years)	45	0.50	66	0.73	80	0.89	91	1.0	95	1.1	160	1.8	90

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm³ to Bq/L.

* Data of other nuclides are under evaluation.

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* "ND" means the sampled data is below measurable limit.

I-131: approx. 13Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Reference

Nuclide Analysis Results of Radioactive Materials in Seawater
Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Unit 1-4 screen, and the water intake canal of Units 1-4<2/2>

(Data summarized on January 7)

Place of Sampling	Screen of 1F's Unit 3 (outside the silt fence)		Screen of 1F's Unit 3 (inside the silt fence)		Screen of 1F's Unit 4 (outside the silt fence)		Screen of 1F's Unit 4 (inside the silt fence)		Inside the south of 1F's Units 1-4 Water Intake Canal				②Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Jan 06, 2012 07:09 am		Jan 06, 2012 07:11 am		Jan 06, 2012 07:15 am		Jan 06, 2012 07:18 am		Jan 06, 2012 07:22 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 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-			40
Cs-134 (about 2 years)	95	1.6	320	5.3	87	1.5	160	2.7	75	1.3			60
Cs-137 (about 30 years)	120	1.3	380	4.2	120	1.3	200	2.2	89	0.99			90

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm³ to Bq/L.

* Data of other nuclides are under evaluation.

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* "ND" means the sampled data is below measurable limit.

I-131: approx. 17Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Inside the water intake canal of 1F's Units 1-4
Nuclide Analysis Results of Radioactive Materials in Seawater

(Data summarized on January 7)

Place of Sampling	Inside north water intake canal of 1F's Units 1-4		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Date of sampling	2011/12/10		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	40
Cs-134 (about 2 years)	36	0.60	60
Cs-137 (about 30 years)	54	0.60	90
H-3 (約12年)	330	0.01	60,000
all of α	ND	—	—
all of β	300	—	—
Sr-89 (about 51days)	29	0.10	300
Sr-90 (about 29years)	110	3.7	30

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm³ to Bq/L.

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* We announced the result of I-131, Cs-134 and Cs-137 on December 11, 2011.

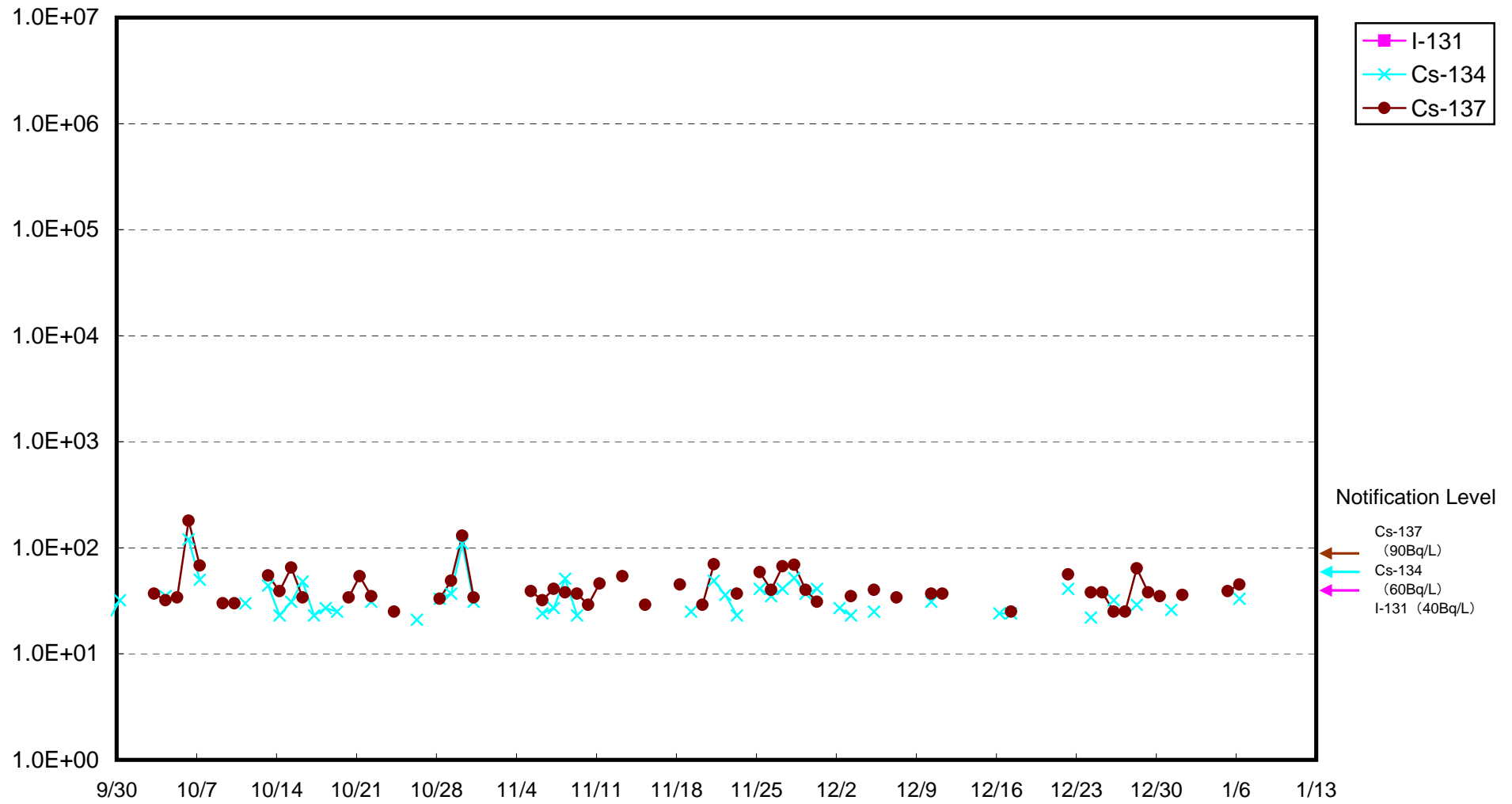
* * "ND" means the sampled data is below measurable limit. The followings show the detection limits.

I-131: approx. 12Bq/L, all of α : approx. 3Bq/L

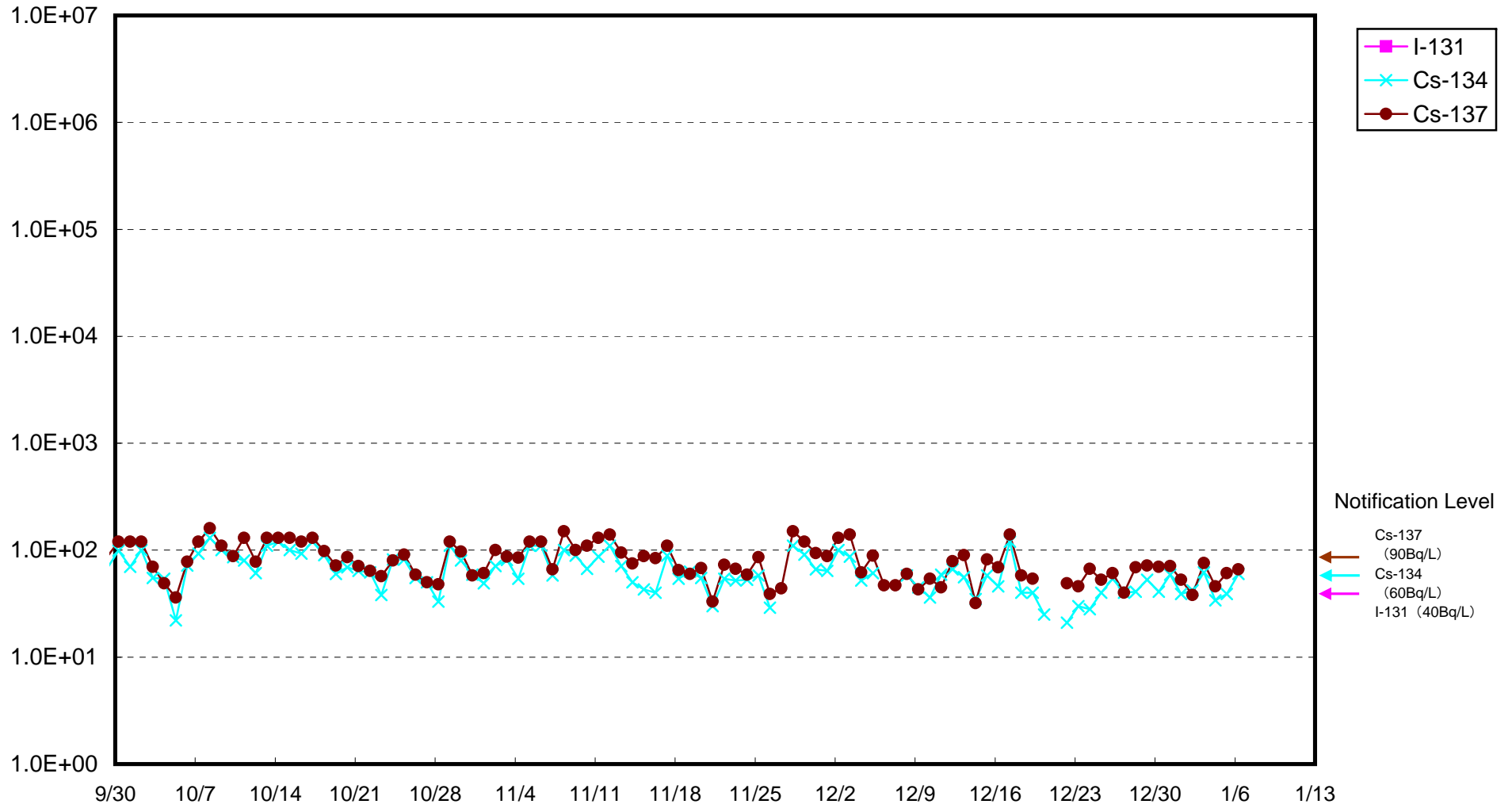
(Evaluation)

Radioactivity of H-3, all of β , Sr -89, Sr-90 are detected, and it was thought with the influence by this accident.

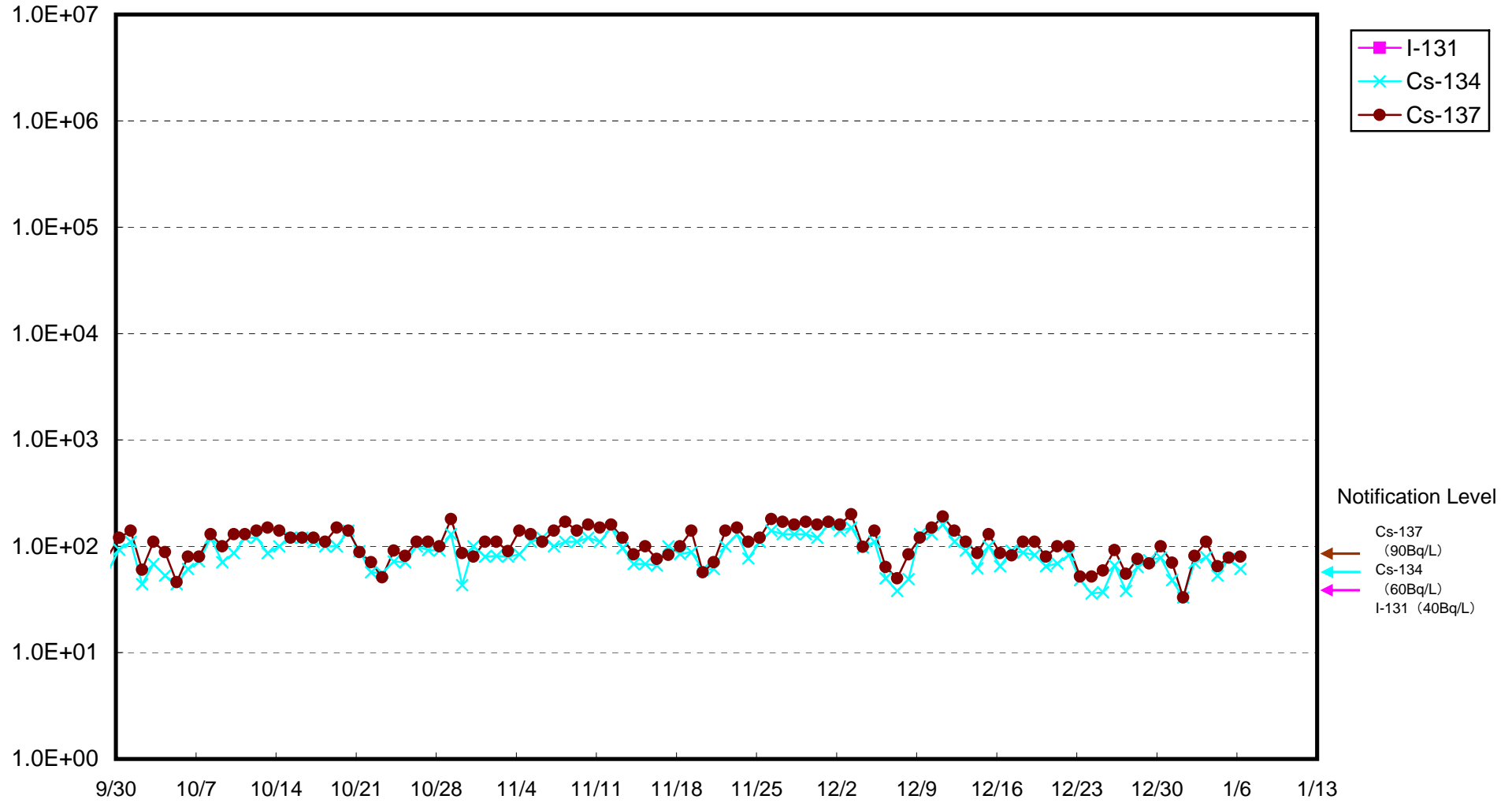
Radioactivity Density of Seawater in front of Shallow Draft Quay of 1F (Bq/L)



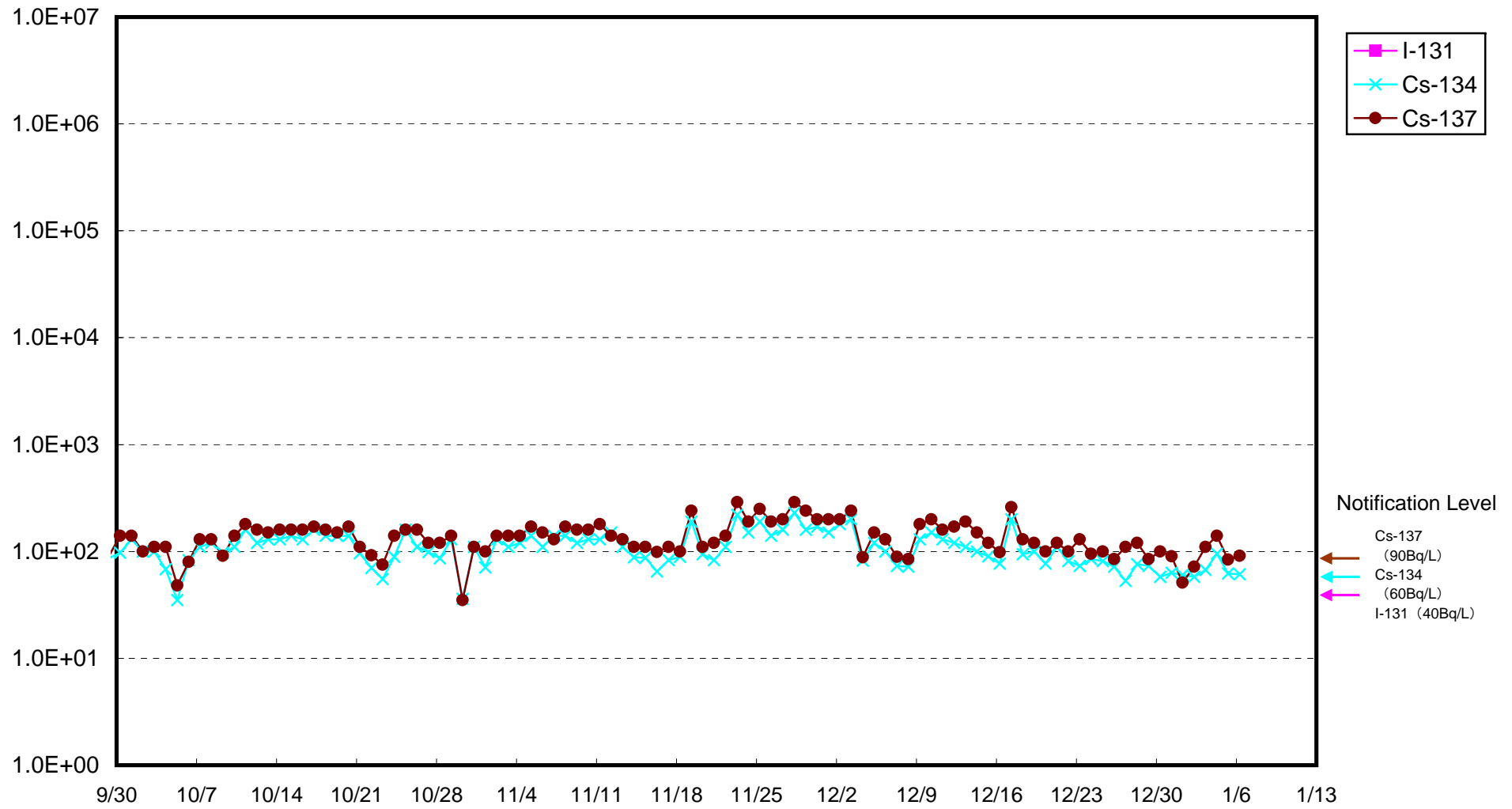
Radioactivity Density of Seawater at the North of Units 1 to 4 Water Intake of Fukushima Daiichi NPS (Bq/L)



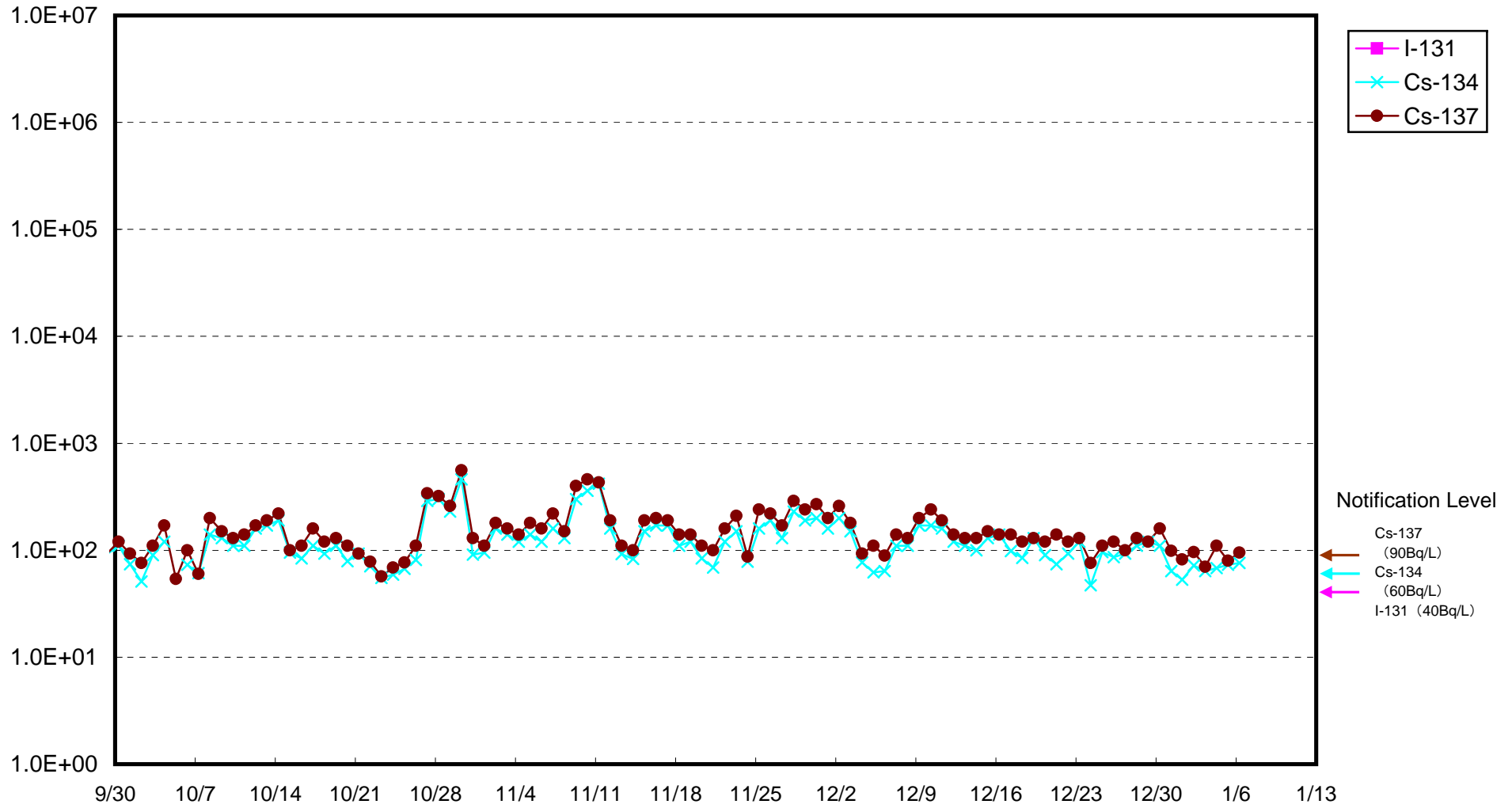
Radioactivity Density of Seawater at Screen of 1F's Unit 1 (outside the silt fence) (Bq/L)



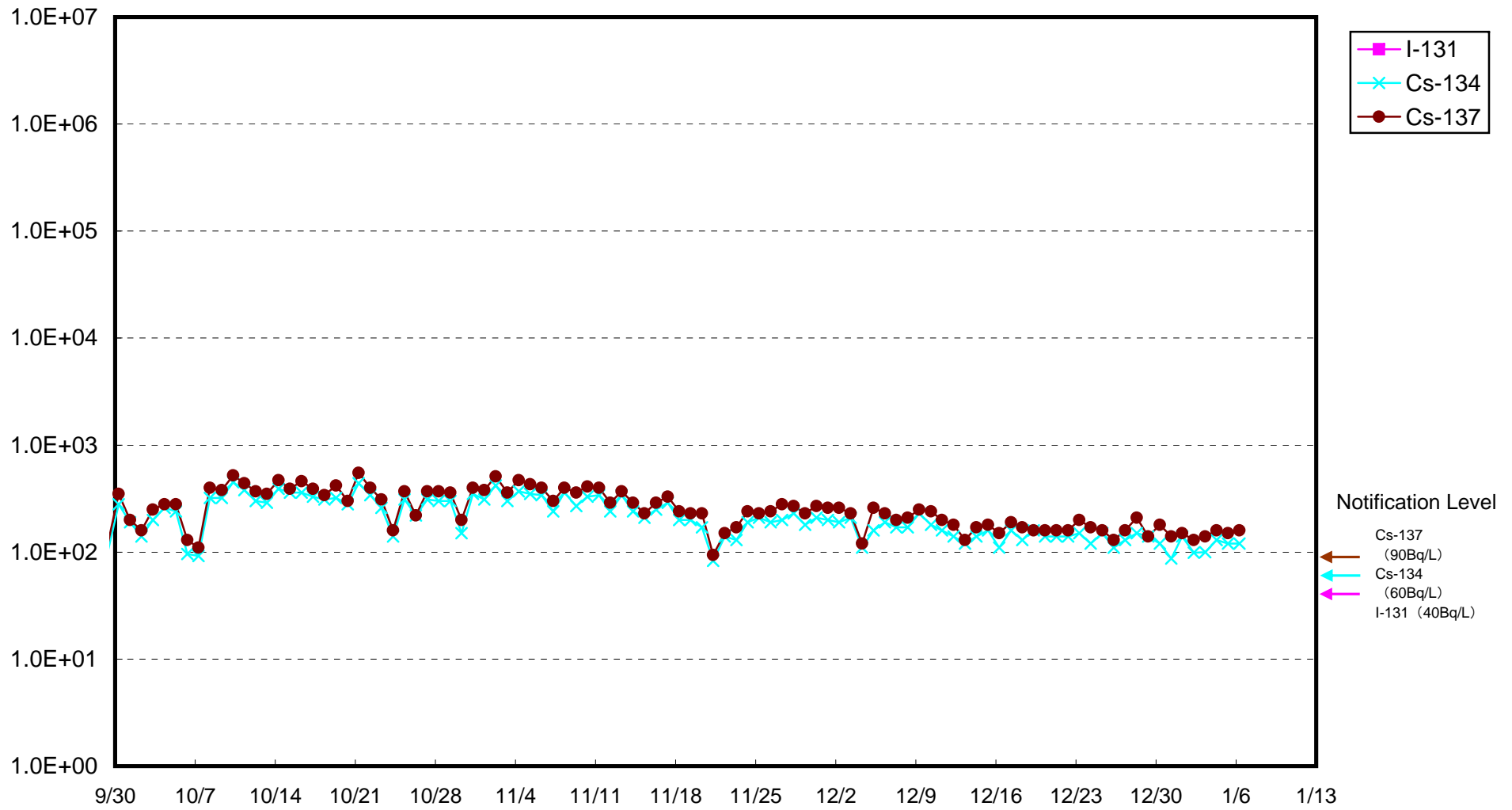
Radioactivity Density of Seawater at Screen of 1F's Unit 1 (inside the silt fence) (Bq/L)



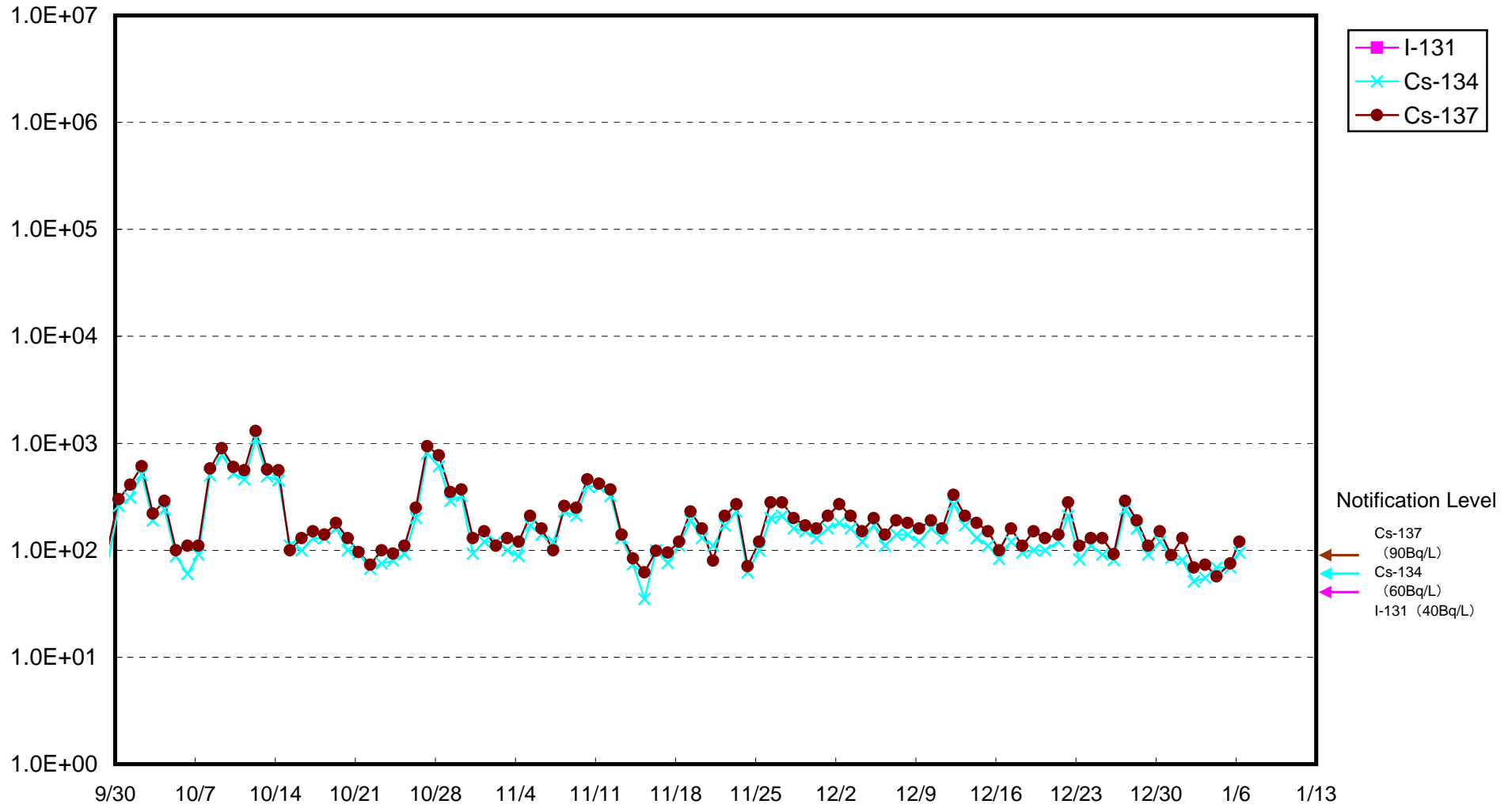
Radioactivity Density of Seawater at Screen of 1F's Unit 2 (outside the silt fence) Bq/L



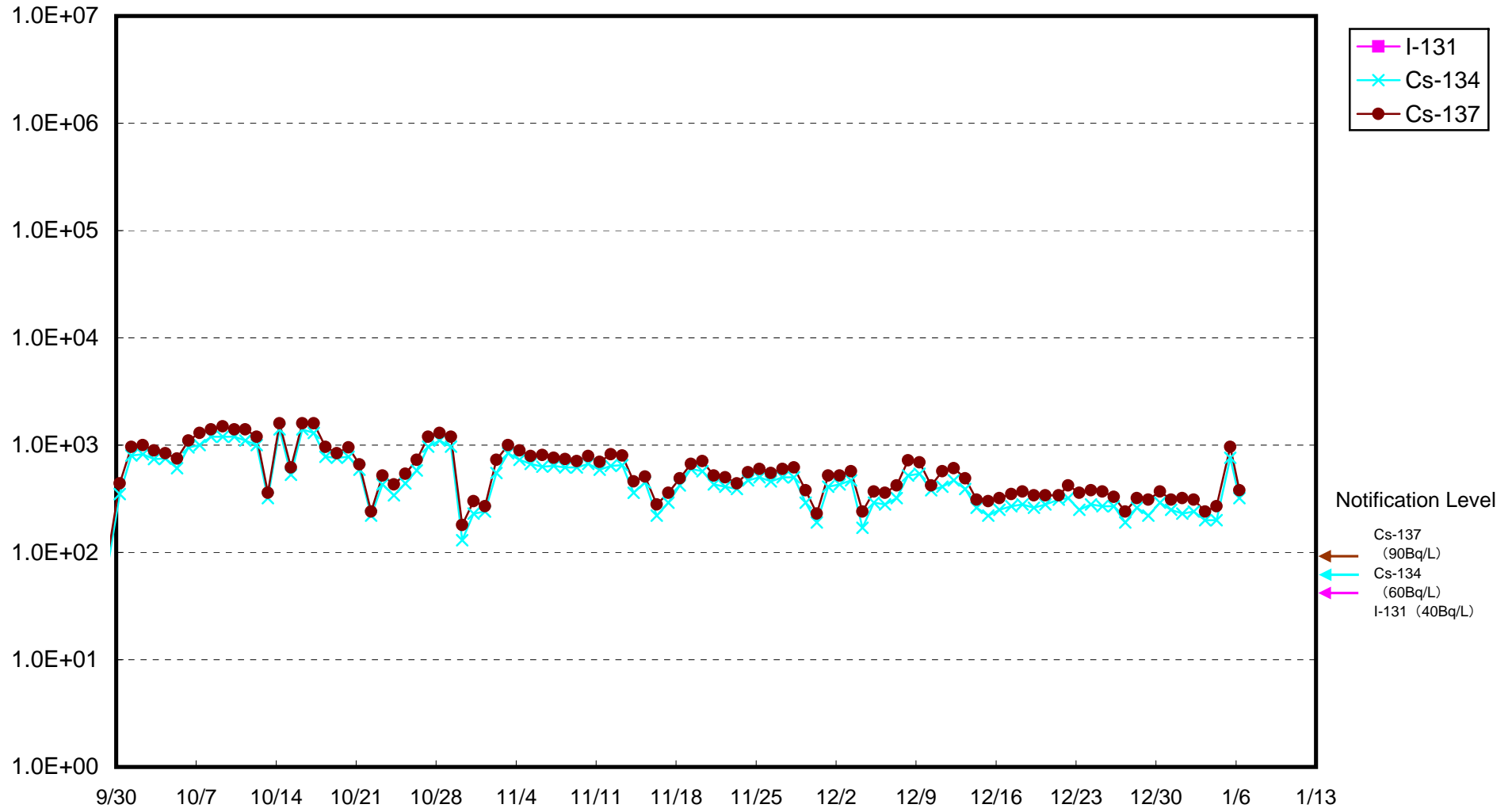
Radioactivity Density of Seawater at Screen of 1F's Unit 2 (inside the silt fence) (Bq/L)



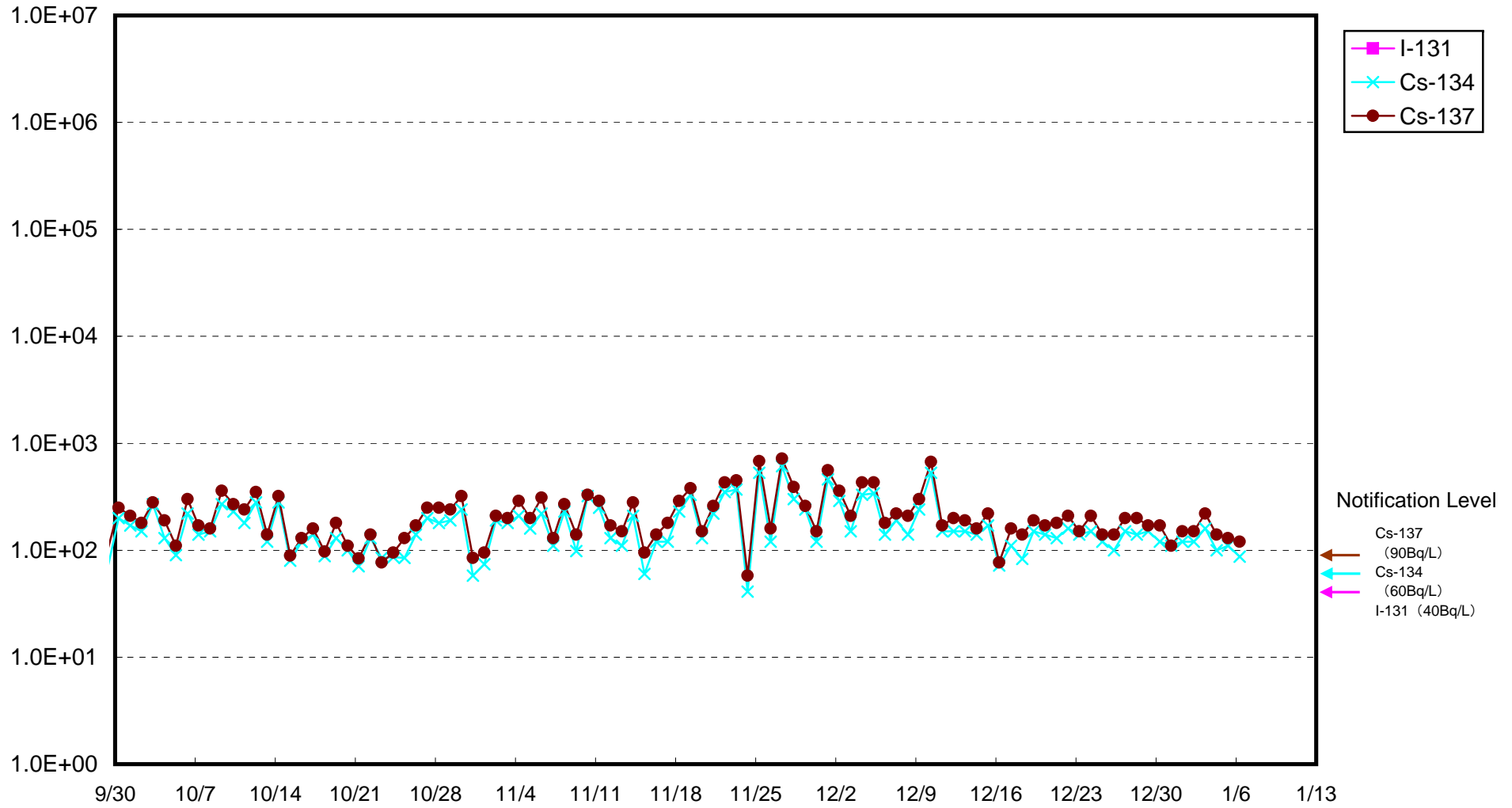
Radioactivity Density of Seawater at Screen of 1F's Unit 3 (outside the silt fence) (Bq/L)



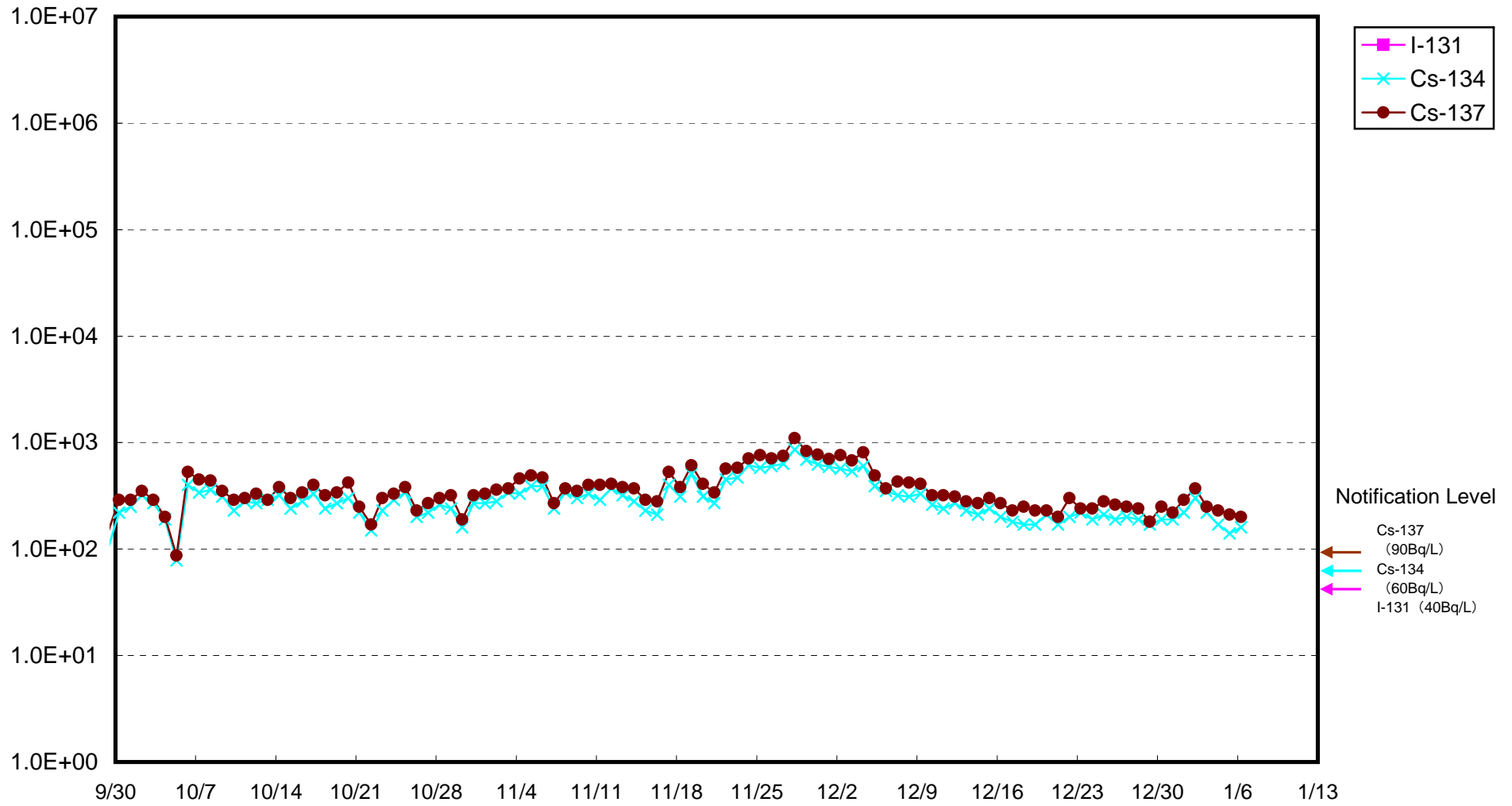
Radioactivity Density of Seawater at Screen of 1F's Unit 3 (inside the silt fence) (Bq/L)



Radioactivity Density of Seawater at Screen of 1F's Unit 4 (outside the silt fence) (Bq/L)



Radioactivity Density of Seawater at Screen of 1F's Unit 4 (inside the silt fence) (Bq/L)



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

