

Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS < 1/2 >

(Data summarized on July 2)

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 at Unit 4 Screen		Inside Unit 1-4 Water Intake Canal (South) at 1F (in front of Impermeable Wall)		Port Entrance of Fukushima Daiichi NPS*		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	Jul 1, 2014 7:00 AM	N/A		Jul 1, 2014 6:48 AM	Jul 1, 2014 6:53 AM		Jul 1, 2014 6:56 AM		Jul 1, 2014 10:24 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	-	-	-	4.9	0.08	15	0.25	13	0.22	ND	-	60
Cs-137 (Approx. 30 years)	4.2	0.05	-	-	13	0.14	48	0.53	30	0.33	ND	-	90

* The density specified by the Reactor Regulation is converted from Bq/cm³ 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. 3Bq/L, Cs-137: Approx. 1Bq/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.

Reference

Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS < 2/2 >

(Data summarized on July 2)

Place of Sampling	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	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)	-	-											40
Cs-134 (Approx. 2 years)	-	-											60
Cs-137 (Approx. 30 years)	-	-											90

* The density specified by the Reactor Regulation is converted from Bq/cm³ 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.

* 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.).

Nuclides Analysis Result of Radioactive Materials in the Unit 1-4 Water Intake <1/2>

(Data summarized on July 2)

Place of Sampling	North of Unit 1-4 Water Intake at Fukushima Daiichi NPS		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.)
Date of Sampling	Jan 19, 2014		
Detected Nuclides (Half-life)	① Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	—	40
Cs-134 (Approx. 2 years)	18	0.30	60
Cs-137 (Approx. 30 years)	48	0.53	90
H-3 (approx. 12yrs)	990	0.02	60,000
Gross α	ND	—	—
Gross β	440	—	—
Sr-90 (Approx. 29 years)	400	13	30

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

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

* Nuclide analysis results of I-131, Cs-134, Cs-137, and Gross β was announced on January 20, 2014. H-3 was announced on January 22, 2014.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

I-131: Approx. 2.2Bq/L, Gross α: Approx. 0.11Bq/L

(Evaluation)

Although H-3, Gross β, and Sr-90 were detected supposedly as a result of this accident, H-3 is less than the density limit in the water which is specified by the announcement.

Nuclides Analysis Result of Radioactive Materials in the Unit 1-4 Water Intake <2/2>

(Data summarized on July 2)

Place of Sampling	North of Unit 1-4 Water Intake at Fukushima Daiichi NPS		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.)
Date of Sampling	Feb 18, 2014		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	—	40
Cs-134 (Approx. 2 years)	20	0.33	60
Cs-137 (Approx. 30 years)	57	0.63	90
H-3 (approx. 12yrs)	1,100	0.02	60,000
Gross α	ND	—	—
Gross β	380	—	—
Sr-90 (Approx. 29 years)	330	11	30

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

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

* Nuclide analysis results of I-131, Cs-134, Cs-137, and Gross β was announced on February 19, 2014. H-3 was announced on February 21, 2014.

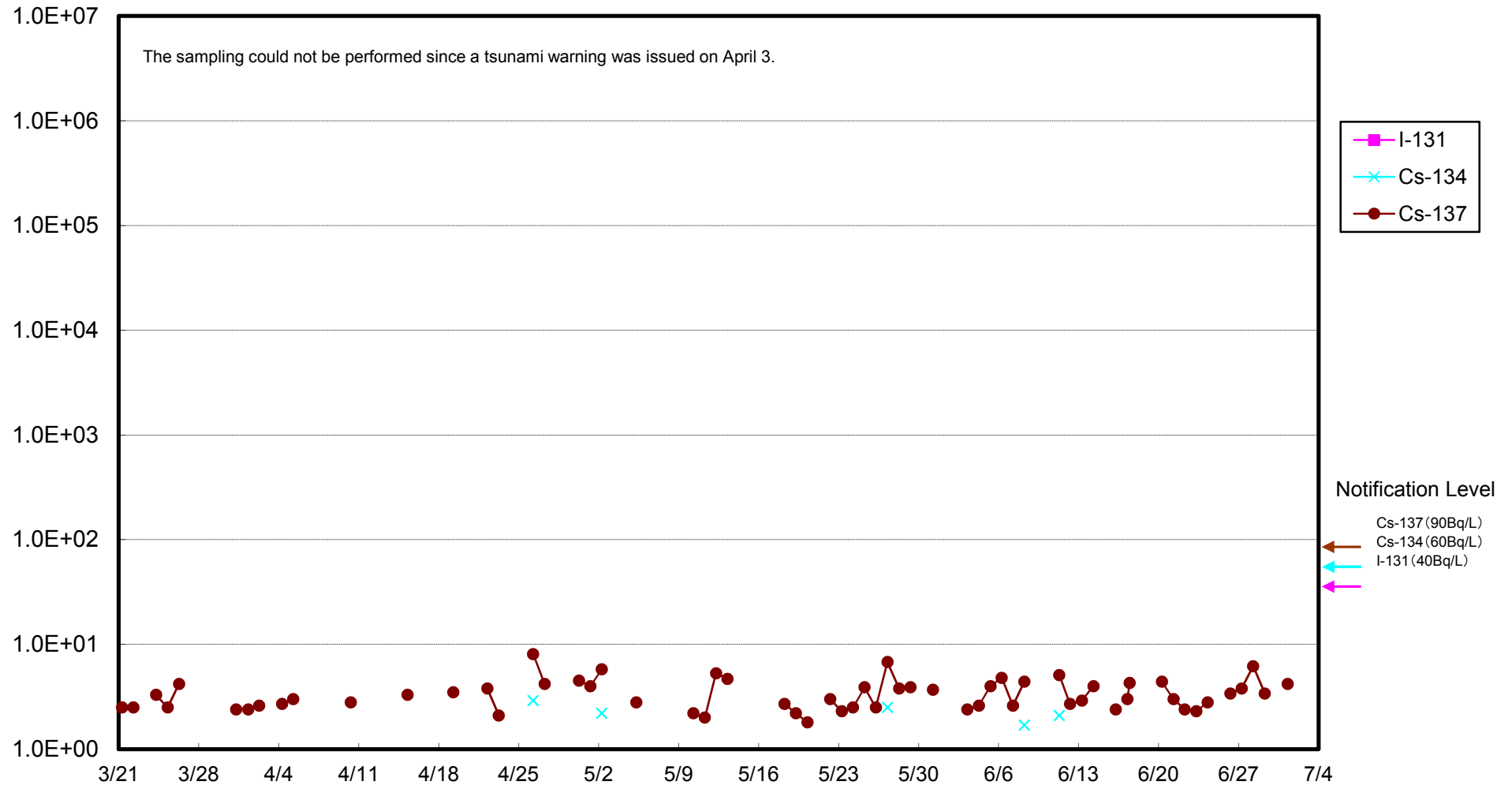
* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

I-131: Approx. 3.5Bq/L, Gross α: Approx. 0.12Bq/L

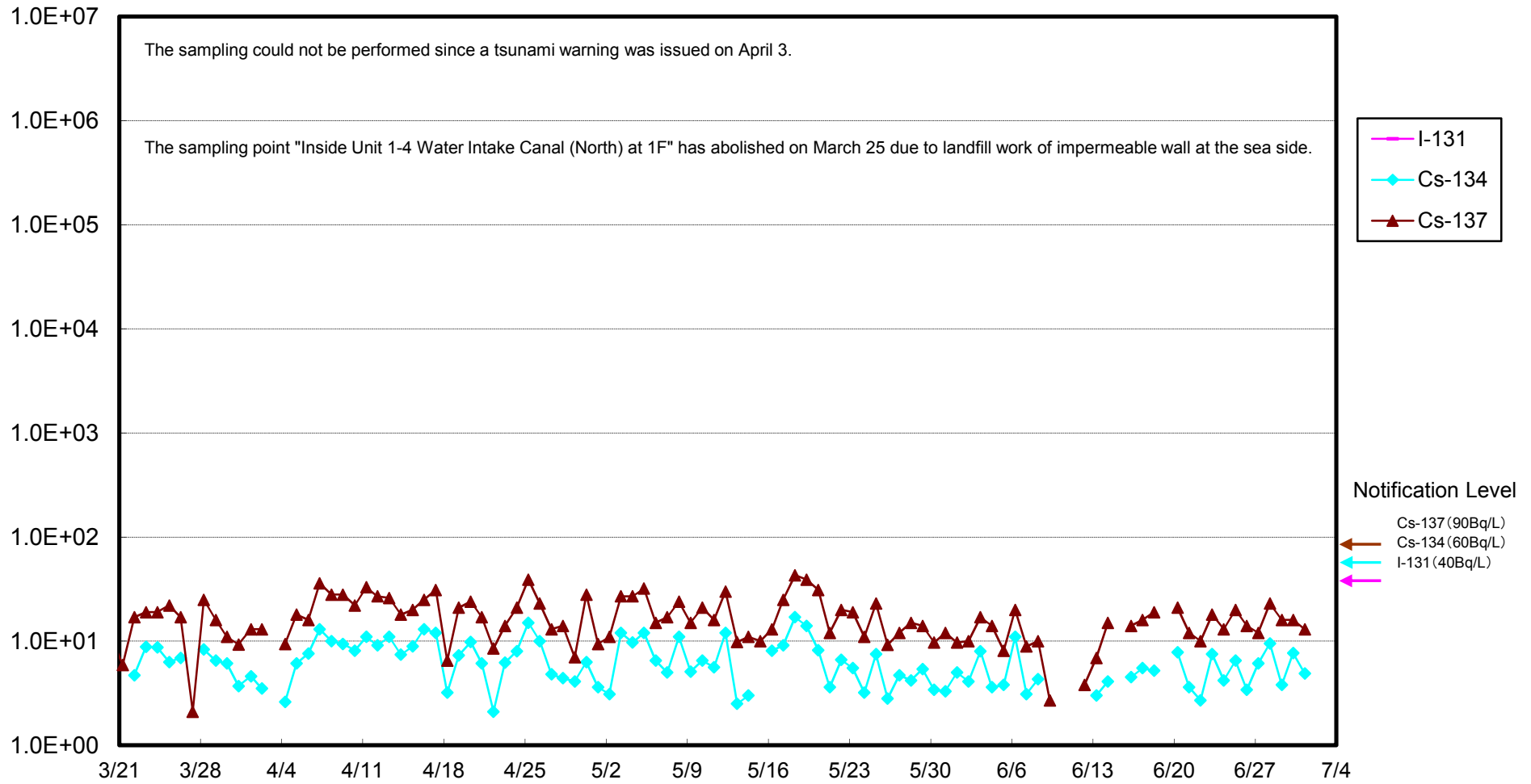
(Evaluation)

Although H-3, Gross β, and Sr-90 were detected supposedly as a result of this accident, H-3 is less than the density limit in the water which is specified by the announcement.

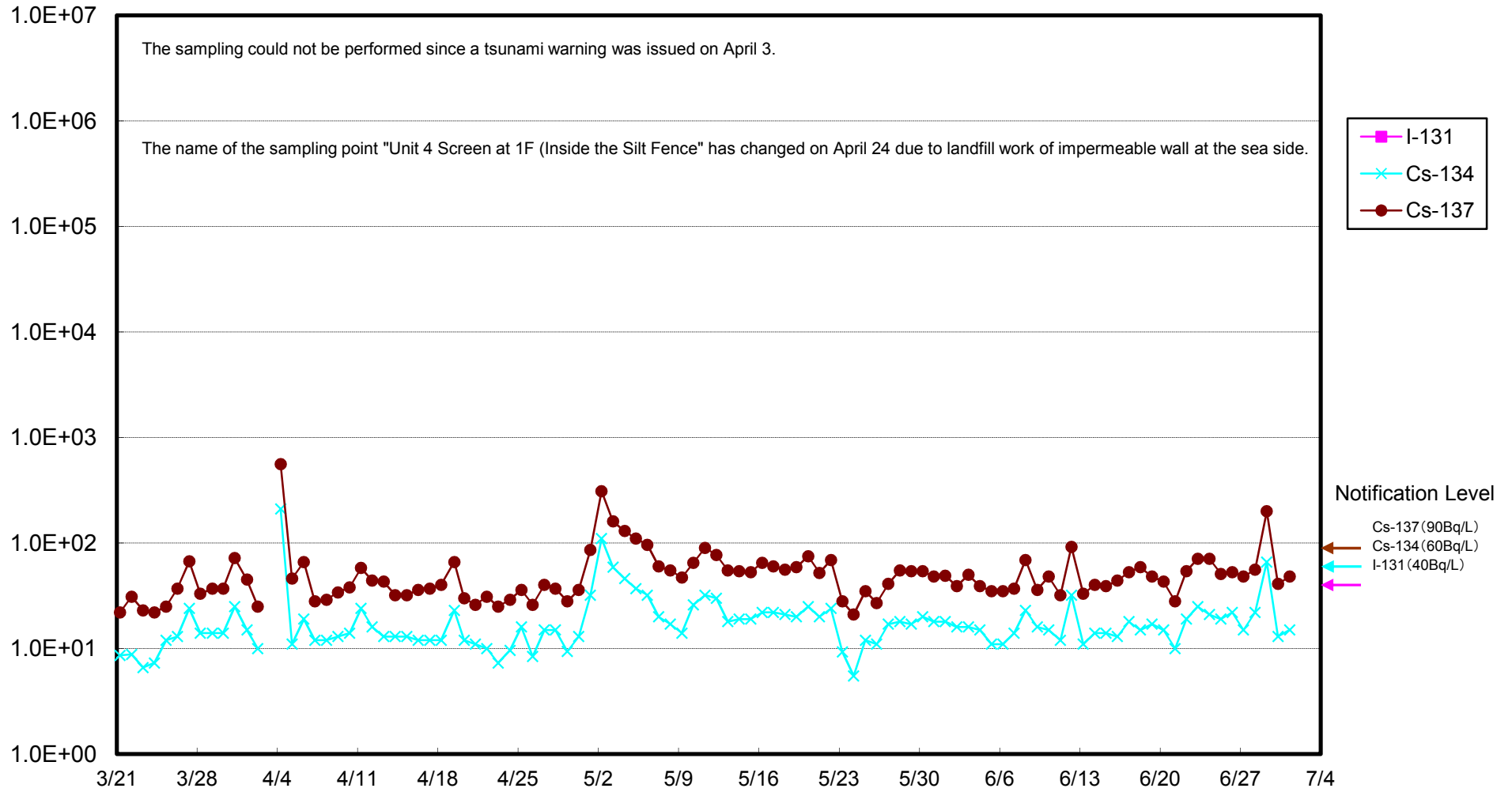
Radioactivity Density of the Seawater in Front of the Shallow Draft Quay at 1F (Bq/L)



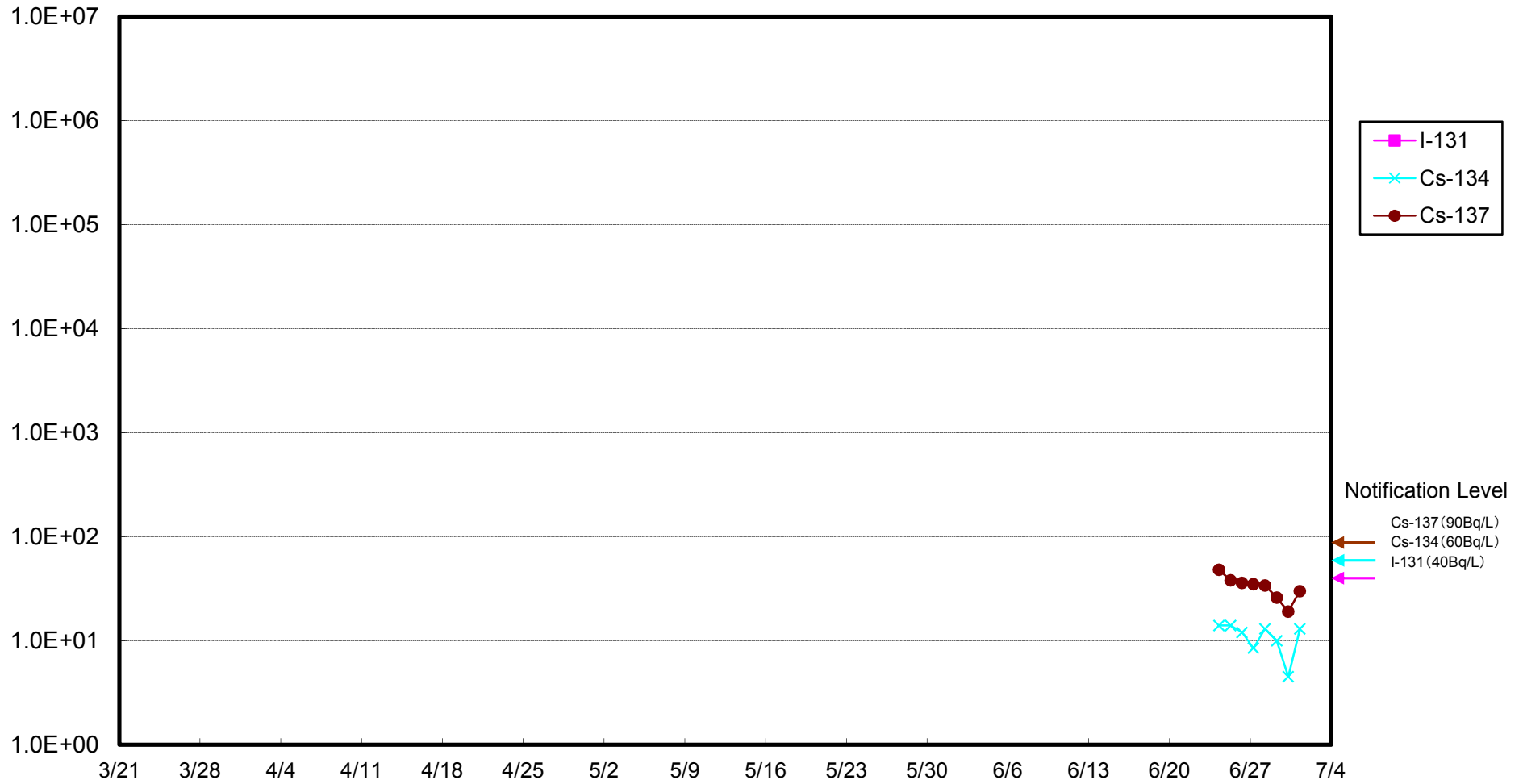
Radioactivity Density of the Seawater at the North of Unit 1-4 Water Intake (North of East Seawater Break of Fukushima Daiichi NPS (Bq/ L)



Radioactivity Density of the Seawater at Unit 4 Screen at Fukushima Daiichi NPS (Bq/L)



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



Radioactivity Density of the Seawater at the Port Entrance of Fukushima Daiichi NPS (Bq/L)

