

Reference

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

(Data summarized on October 31)

Place of Sampling	Shallow Draft Quay at Fukushima Daiichi NPS*				Inside Unit 1-4 Water Intake Canal (North) at Fukushima Daiichi NPS (North side of the East Seawall Break)		Unit 1 Water Intake Canal at Fukushima Daiichi NPS (In front of Impermeable Wall)		Unit 2 Water Intake Canal at Fukushima Daiichi NPS (In front of Impermeable Wall)		Seawater at Unit 4 Screen		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	Oct 30, 2014 7:23 AM	N/A		Oct 30, 2014 7:47 AM	Oct 30, 2014 7:30 AM	Oct 30, 2014 7:38 AM	Oct 30, 2014 7:41 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	-	-	-	6.8	0.11	6.7	0.11	7.7	0.13	10	0.17	60
Cs-137 (Approx. 30 years)	2.9	0.03	-	-	22	0.24	20	0.22	28	0.31	39	0.43	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 2 nuclides or more, 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 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 October 31)

Place of Sampling	Inside Unit 1-4 Water Intake Canal (South) at Fukushima Daiichi NPS (in front of Impermeable Wall)		Port Entrance of Fukushima Daiichi NPS *				In Front of Unit 6 Water Intake Canal at 1F		Port Center 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.)
	Time of Sampling	Oct 30, 2014 7:44 AM	N/A		N/A		Oct 30, 2014 7:17 AM		Oct 30, 2014 7:50 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	-			40
Cs-134 (Approx. 2 years)	7.7	0.13	-	-	-	-	ND	-	5.0	0.08			60
Cs-137 (Approx. 30 years)	22	0.24	-	-	-	-	ND	-	12	0.13			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 2 nuclides or more, 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. 2Bq/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. \* \* At these points, sampling is carried out once a week. (As for the port entrance, also sampled on the day the silt fence was opened/shut or covering work was carried out in the port.)

## Result of Pu Nuclide Analysis of Seawater at Fukushima Daiichi Nuclear Power Station

Data summarized on October 31, 2014)

### 1. Measurement Result:

(Unit: Bq/L)

Place of Sampling	Date	Pu-238	Pu-239+Pu-240
1F, North of Unit 1-4 Water Intake	Jun 9, 2014	N.D. [ $5.8 \times 10^{-4}$ ]	N.D. [ $4.9 \times 10^{-4}$ ]

[ ] shows below the detection limit.

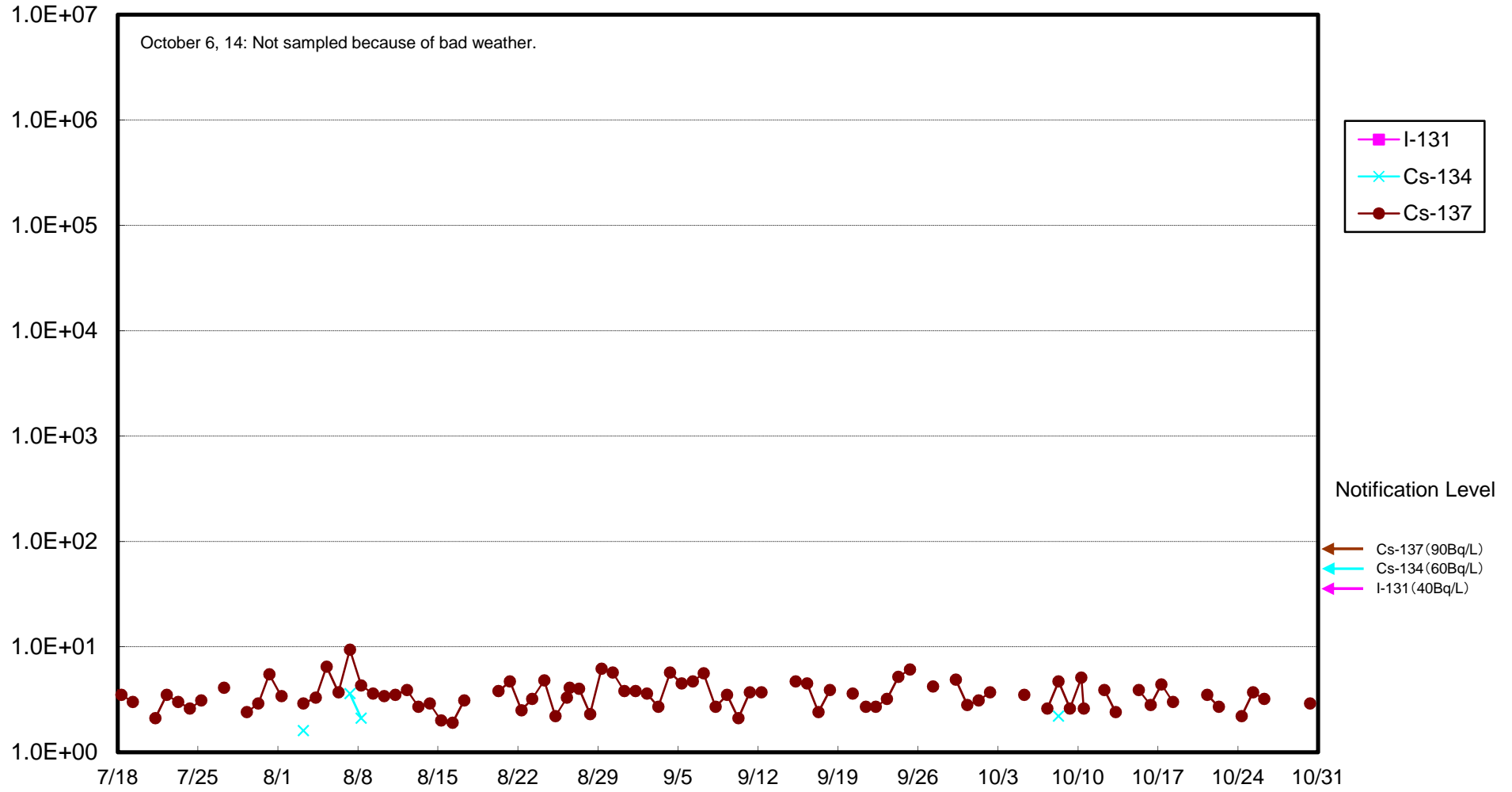
### 2. Analytical Institution KAKEN Inc.

### 3. Evaluation:

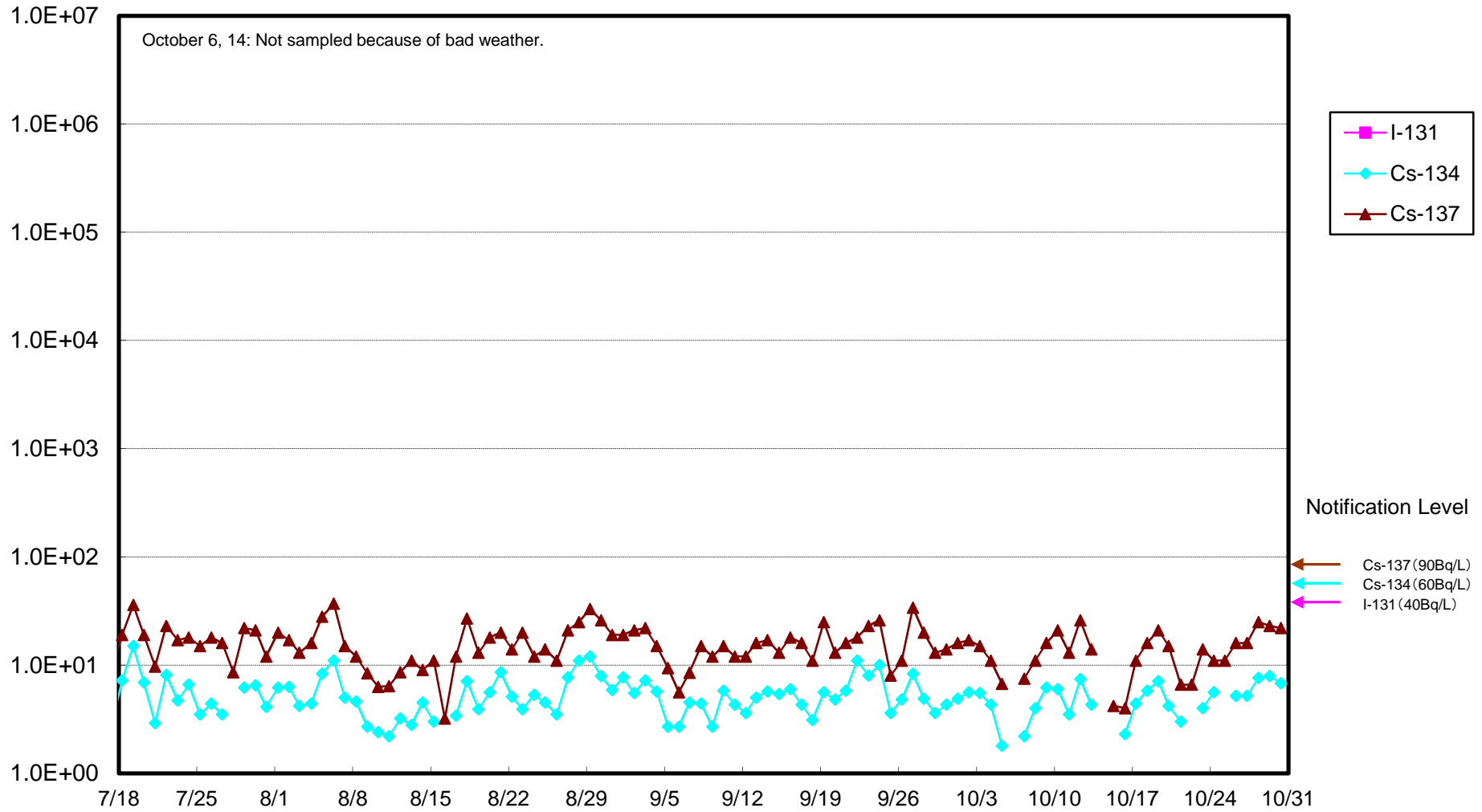
Pu-238 and Pu-239+Pu-240 were not detected in the sample collected this time.

End

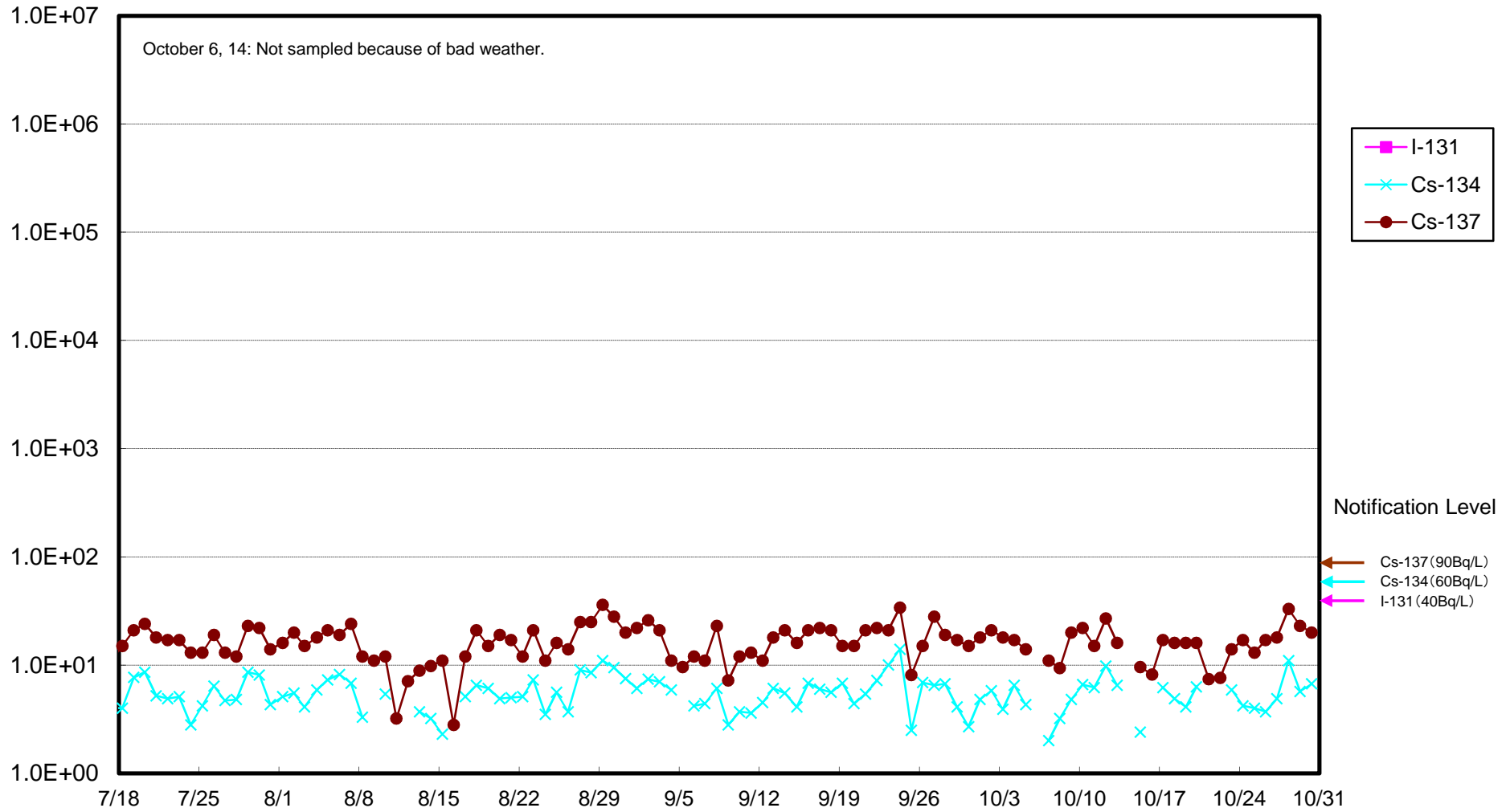
# Radioactivity Density of the Seawater in Front of the Shallow Draft Quay at 1F (Bq/L)



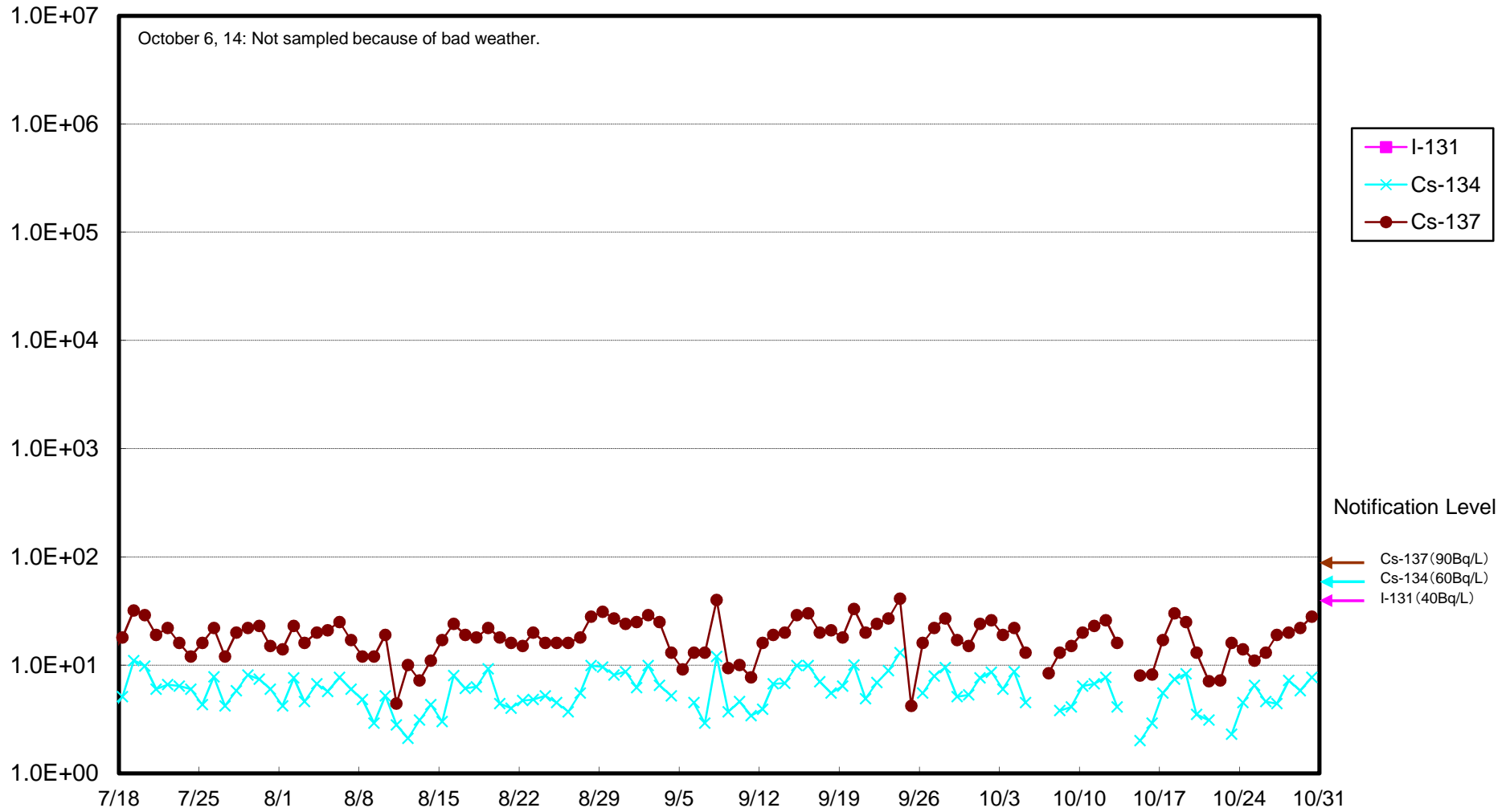
### Radioactivity Density of the Seawater at the North of Unit 1-4 Water Intake (North of East Seawater Break of Fukushima Daiichi NPS (Bq/ L))



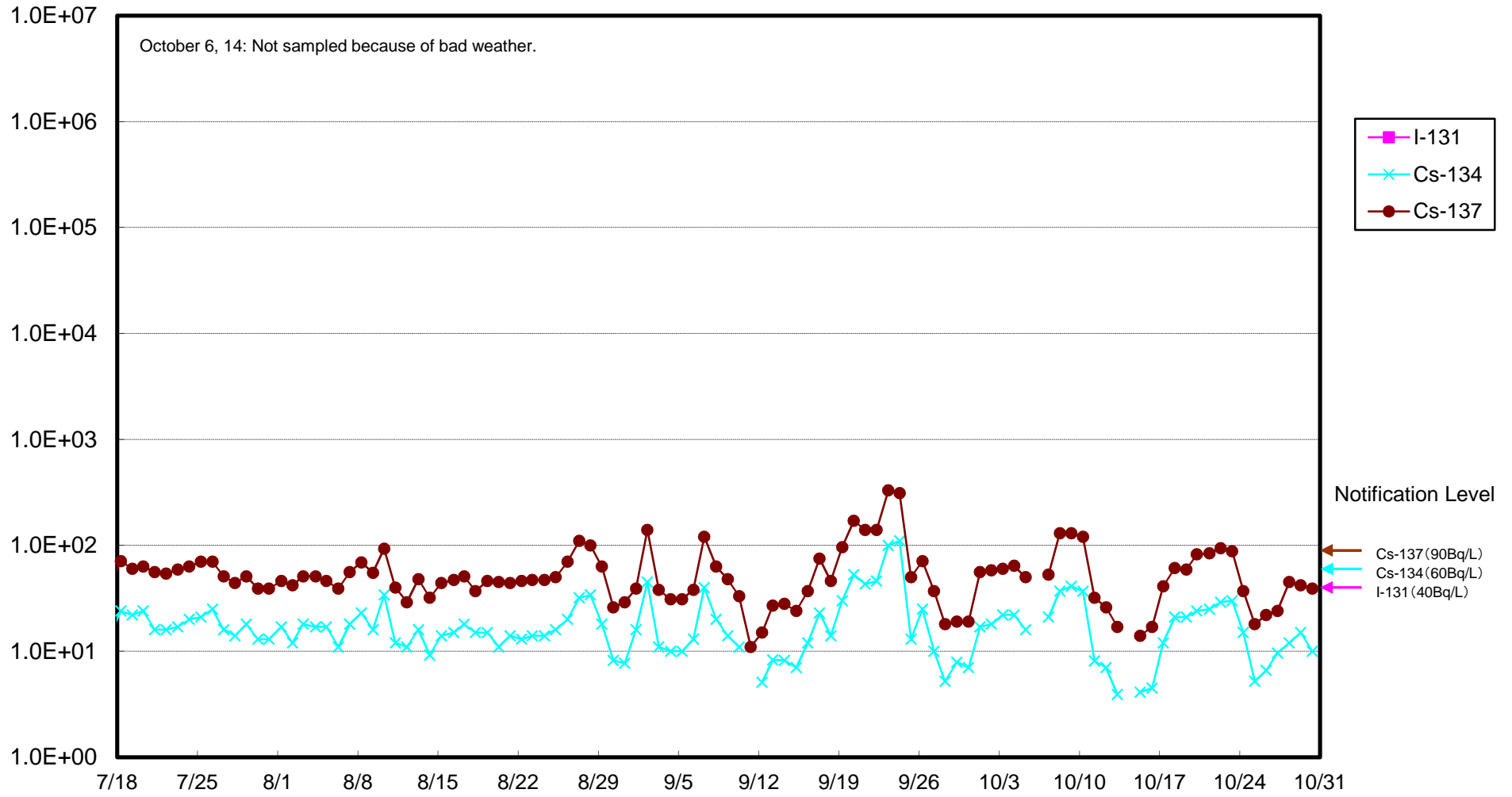
## Radioactivity Density of the Seawater of Unit 1 Water Intake Canal at Fukushima Daiichi NPS (In front of Impermeable Wall) (Bq/L)



Radioactivity Density of the Seawater of Unit 2 Water Intake Canal at Fukushima Daiichi NPS  
(In front of Impermeable Wall) (Bq/L)

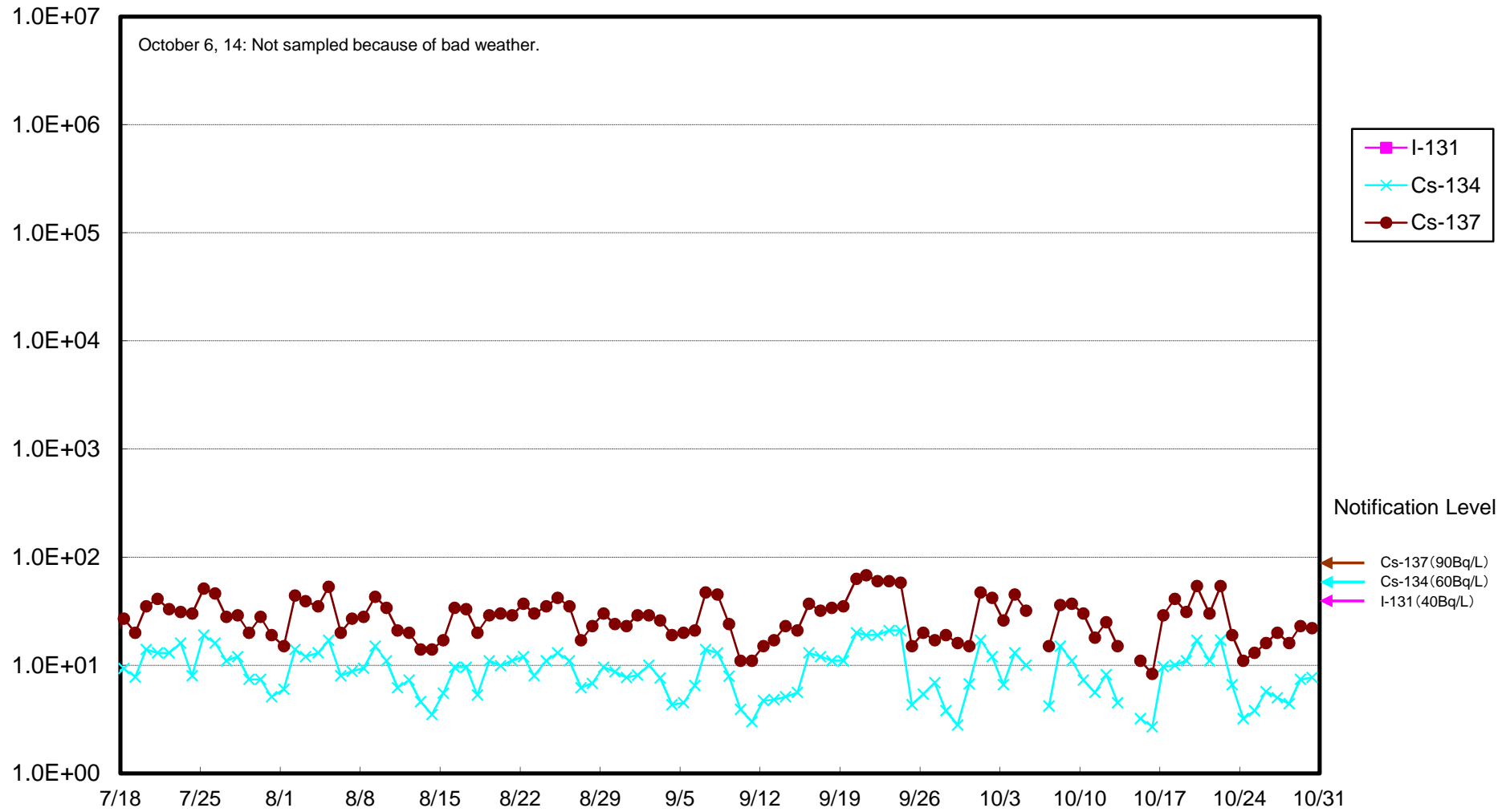


Radioactivity Density of the Seawater at Unit 4 Screen at Fukushima Daiichi NPS (Bq/L)

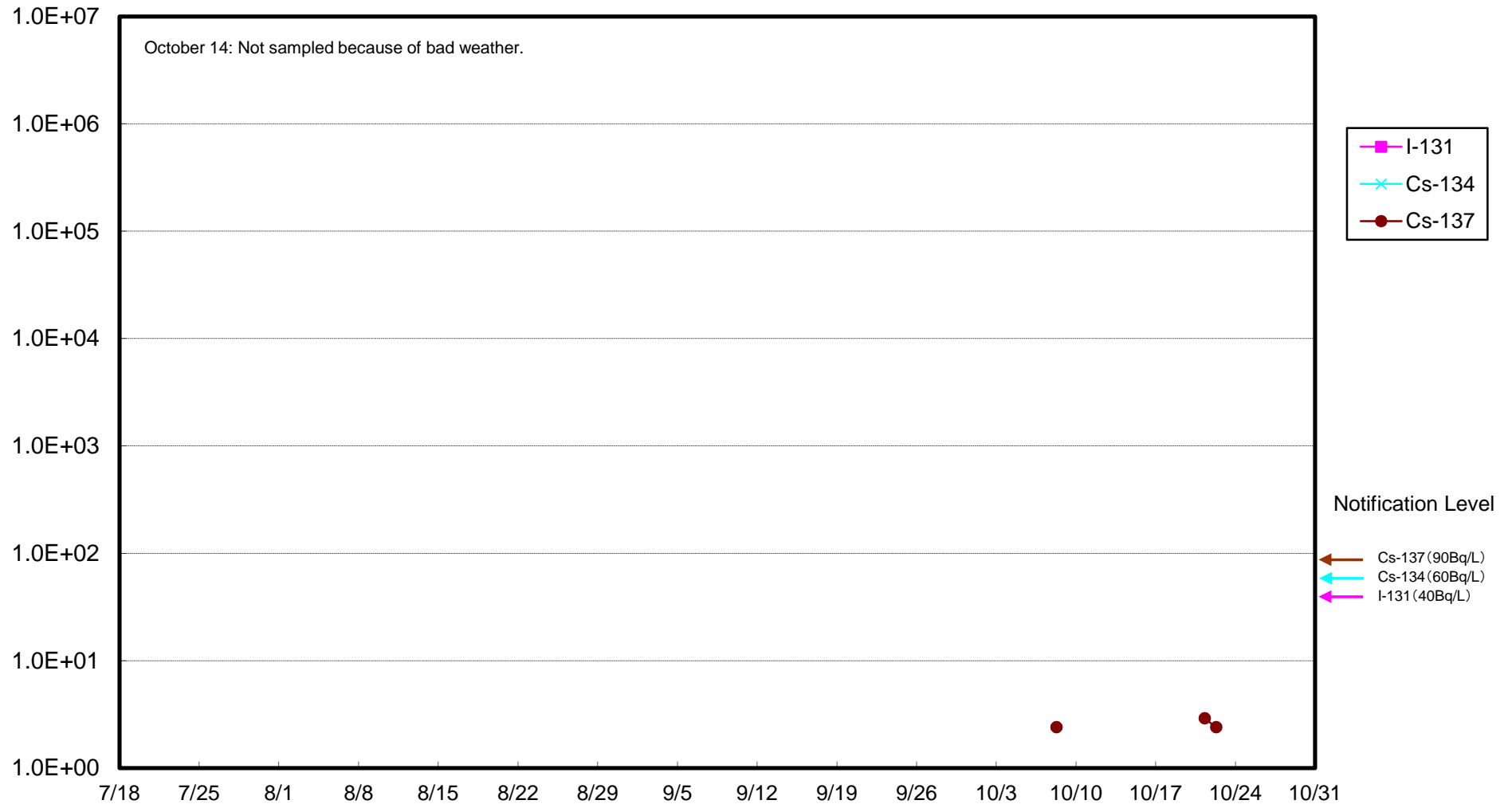




Radioactivity Density of the Seawater at the South of Unit 1-4 Water Intake (in front of Impermeable Wall)  
at Fukushima Daiichi NPS (Bq/L)



Radioactive Density of the Seawater in Front of Unit 6 Water Intake at Fukushima Daiichi NPS (Bq/L)



# Radioactive Density of the Seawater in Port Center at Fukushima Daiichi NPS (Bq/L)

