Reference

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

(Data summarized on October 17)

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		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 16, 2014 8:35 AM		N/A		Oct 16, 2014 8:08 AM		Oct 16, 2014 8:25 AM		Oct 16, 2014 8:20 AM		Oct 16, 2014 8:13 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	-	-	-	2.3	0.04	ND	-	2.9	0.05	4.5	0.08	60
Cs-137 (Approx. 30 years)	2.8	0.03	-	-	4.0	0.04	8.2	0.09	8.2	0.09	17	0.19	90

* The density specified by the Reactor Regulation is converted from Bq/cm^3 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 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

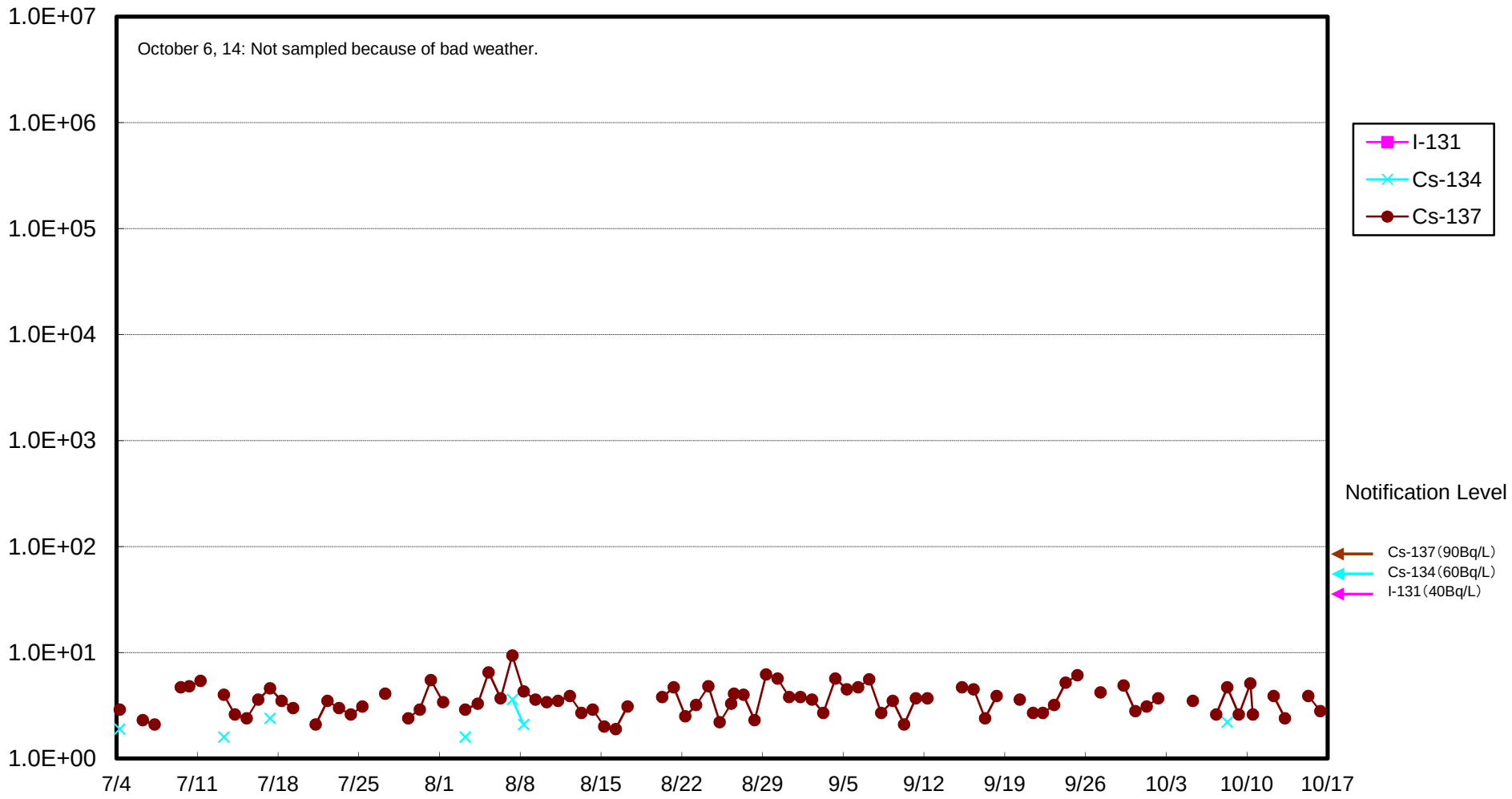
Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS＜2/2＞

(Data summarized on Octob

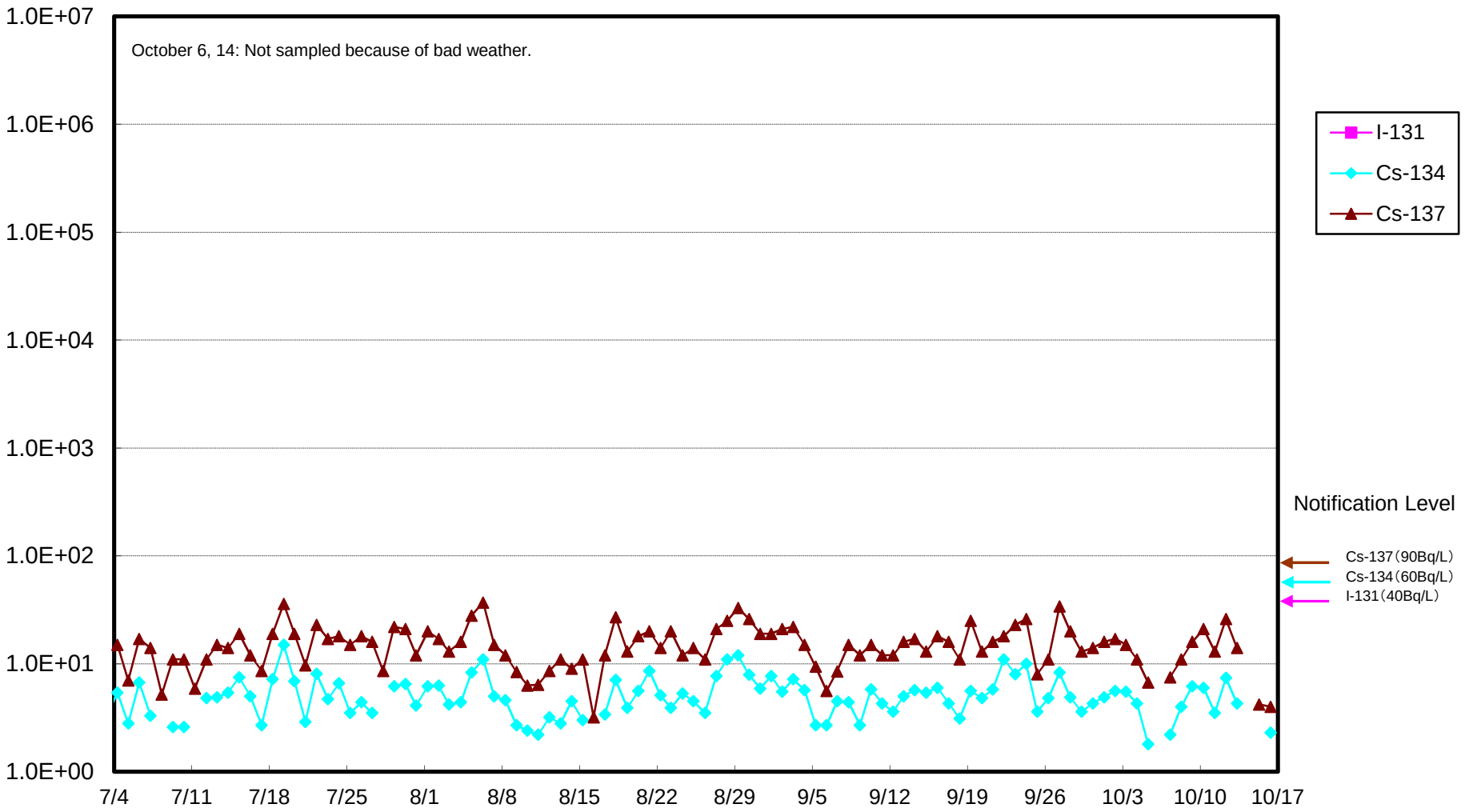
Place of Sampling	Inside Unit 1-4 Water Intake Canal (South) at Fukushima Daiichi NPS（in front of Impermeable		Port Entrance of Fukushima Daiichi NPS*				In Front of Unit 6 Water Intake Canal at 1F		Port Center at Fukushima Daiichi NPS				② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Time of Sampling	Oct 16, 2014 8:15 AM		N/A		N/A		Oct 16, 2014 8:40 AM		Oct 16, 2014 8:10 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)	2.7	0.05	-	-	-	-	ND	-	ND	-			60
Cs-137 (Approx. 30 years)	8.3	0.09	-	-	-	-	ND	-	5.2	0.06			90

* The density specified by the Reactor Regulation is converted from Bq/cm^3 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.)

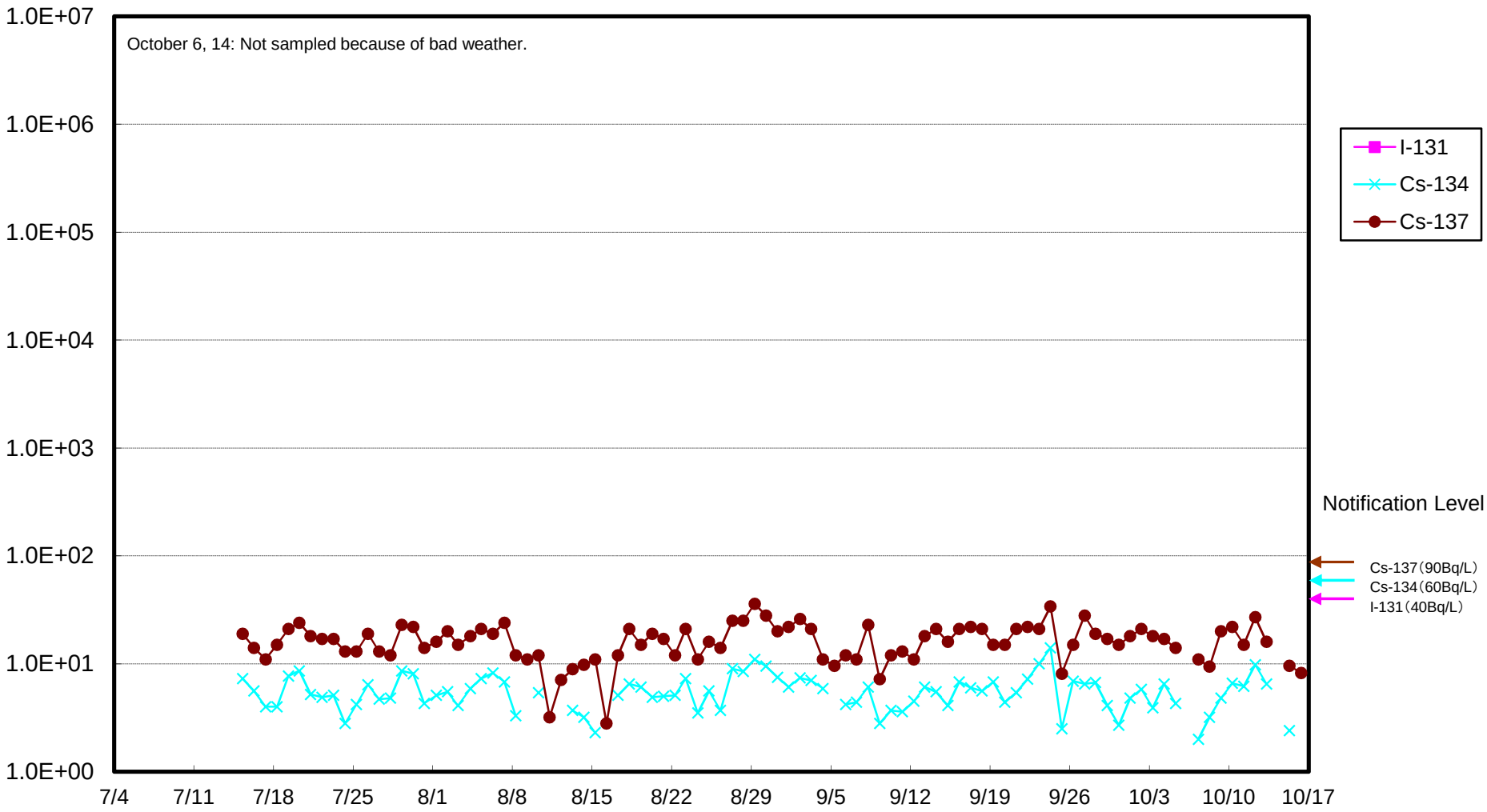
Radioactivity Density of the Seawater in Front of the Shallow Draft Quay at 1F (Bq/L)



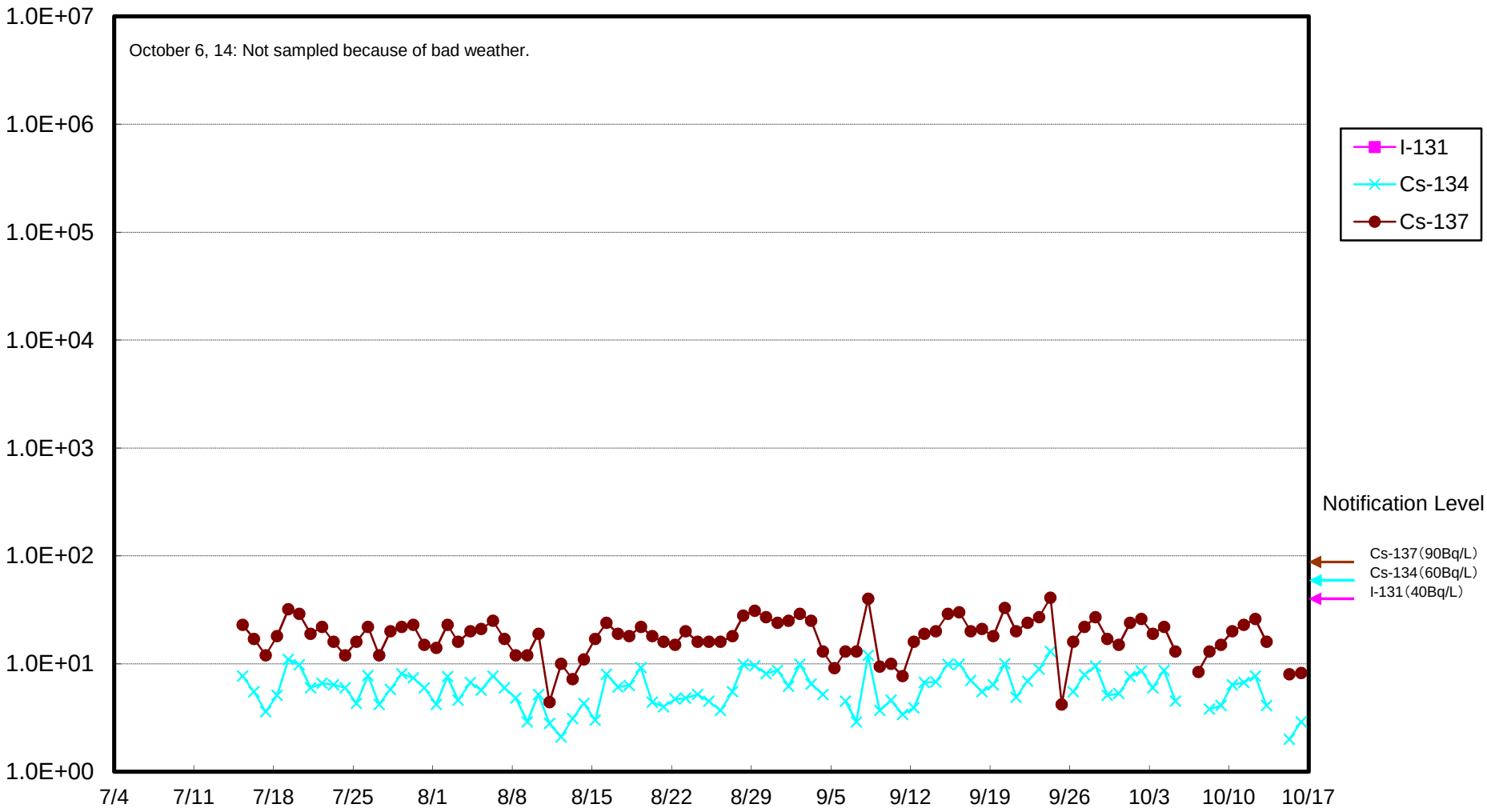
Radioactivity Density of the Seawater at the North of Unit 1-4 Water Intake (North of East Seawater Break of Fukushima Daiichi NPS (Bq/ L)



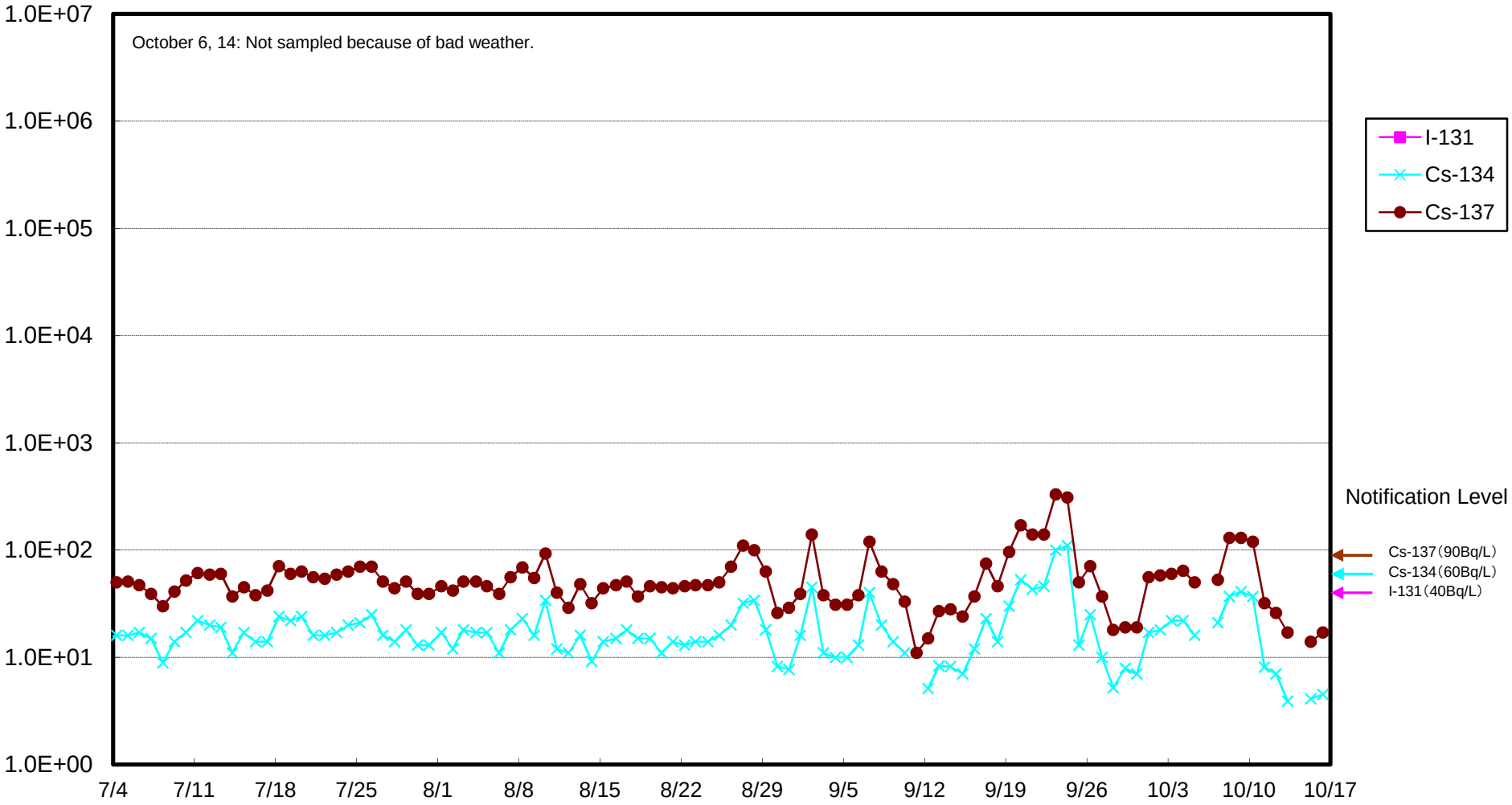
Radioactivity Density of the Seawater of Unit 1 Water Intake Canal at Fukushima Daiichi NPS (In front of Impermeable Wall) (Bq/L)



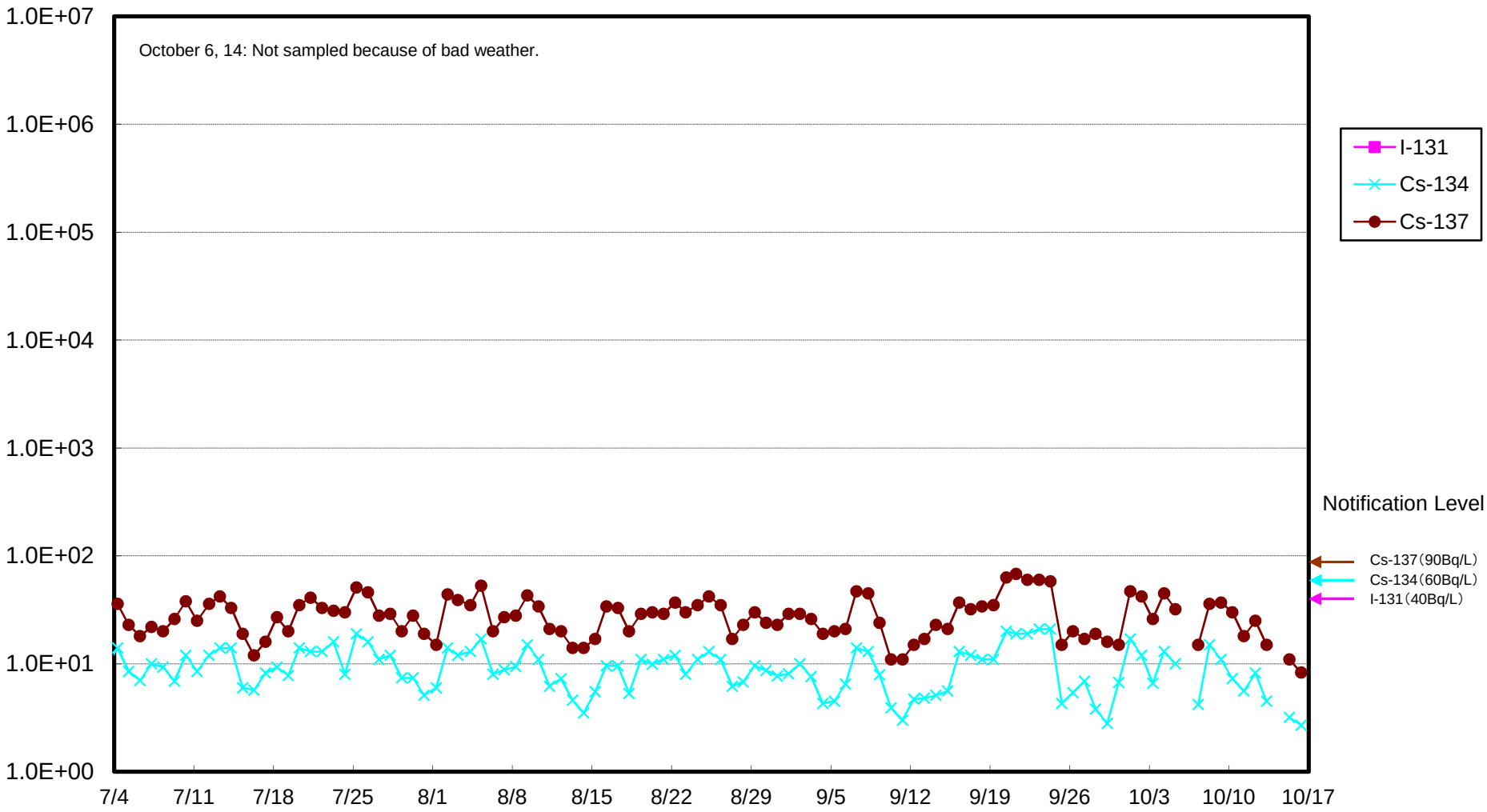
Radioactivity Density of the Seawater of Unit 2 Water Intake Canal at Fukushima Daiichi NPS (In front of Impermeable Wall) (Bq/L)



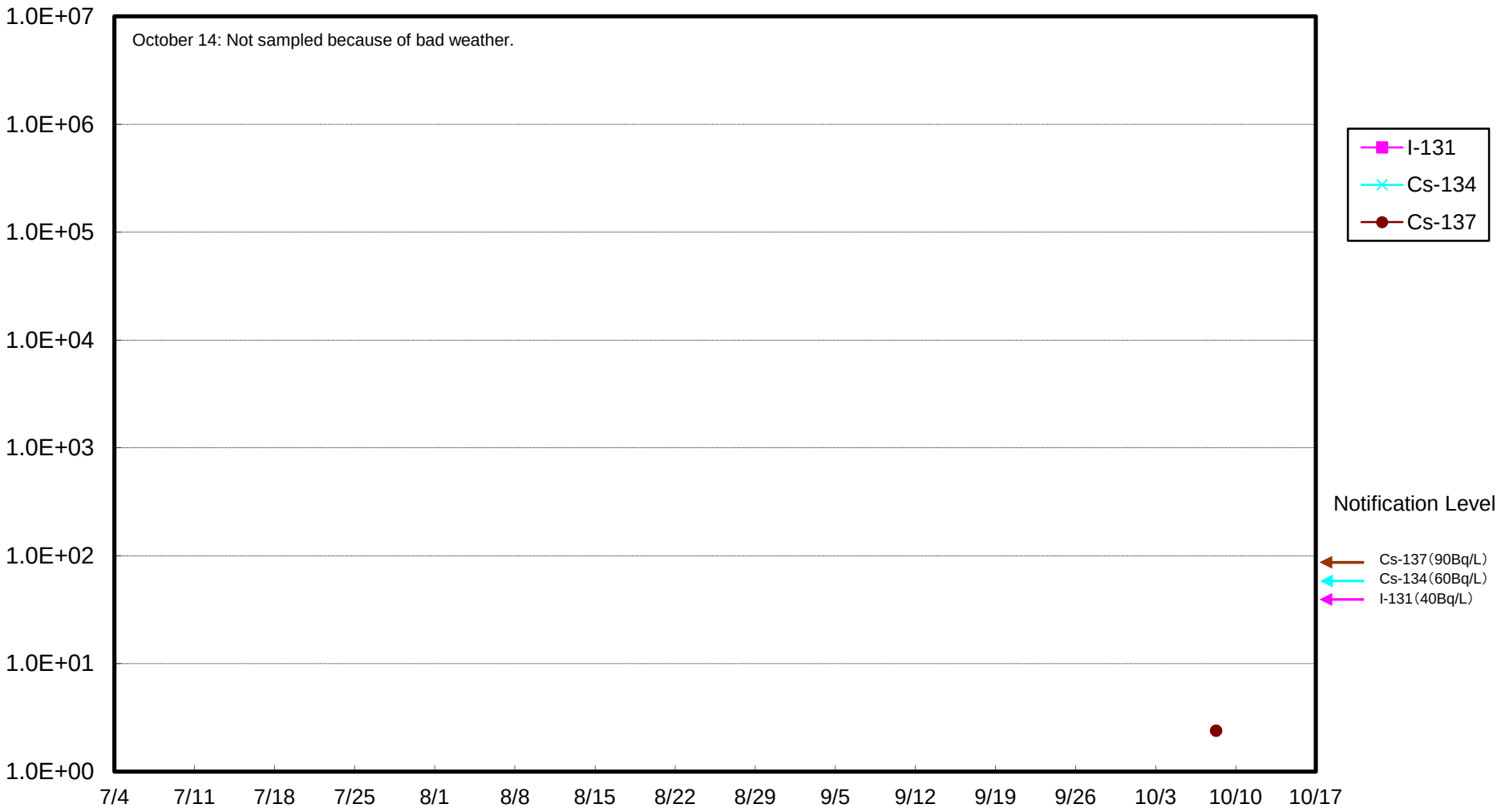
Radioactivity Density of the Seawater at Unit 4 Screen at Fukushima Daiichi NPS (Bq/L)



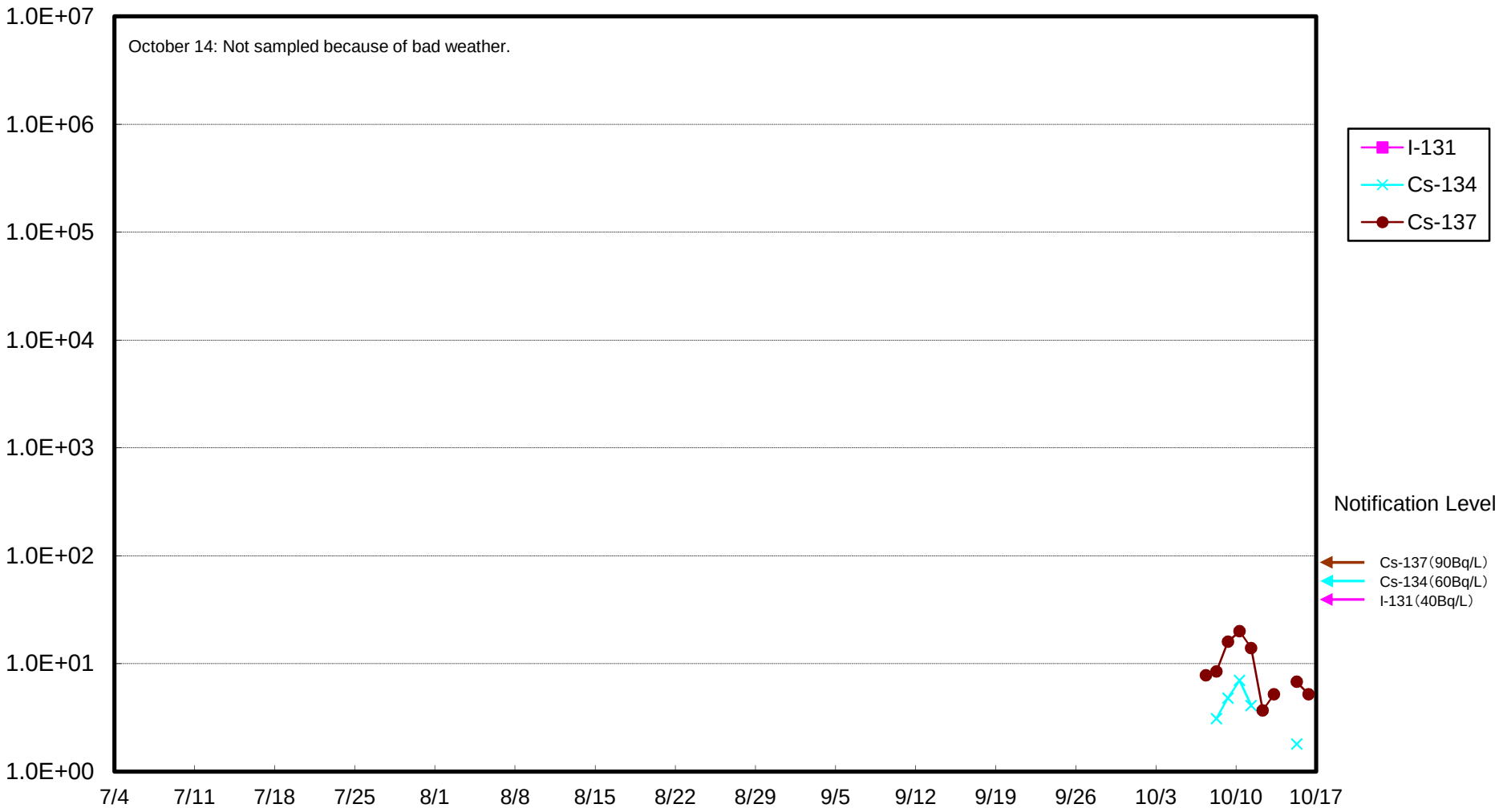
Radioactivity Density of the Seawater at the South of Unit 1-4 Water Intake (in front of Impermeable Wall) at Fukushima Daiichi NPS (Bq/L)



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)



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

(Data summarized on October 15)

Place of Sampling	Inside Unit 1-4 Water Intake Canal (North) 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.)
Date of Sampling	Feb 11, 2013		
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)	3.7	0.06	60
Cs-137 (Approx. 30 years)	10	0.11	90
H-3 (approx. 12yrs)	170	0.00	60,000
All α	ND	—	—
All β	260	—	—
Sr-90 (Approx. 29 years)	120	4.0	30

* The density specified by the Reactor Regulation is converted from Bq/cm^3 to Bq/L.
* In the case of 2 nuclides or more, the sum of scaling factors to density limits is compared to 1.
* Nuclide analysis results of I-131, Cs-134, Cs-137 were announced on February 12, 2013. H-3, All α and All βwere announced on June 19, 2013.
* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.
  I-131: Approx. 1.1Bq/L, All α: Approx. 0.10Bq/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 Seawater of Unit 1 - 4 Intake<2/4>

(Data summarized on October 15)

Place of Sampling	Inside Unit 1-4 Water Intake Canal (North) 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.)
Date of Sampling	Mar 11, 2013		
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)	31	0.52	60
Cs-137 (Approx. 30 years)	56	0.62	90
H-3 (approx. 12yrs)	120	0.00	60,000
All α	ND	—	—
All β	230	—	—
Sr-90 (Approx. 29 years)	86	2.9	30

* The density specified by the Reactor Regulation is converted from Bq/cm^3 to Bq/L.
* In the case of 2 nuclides or more, the sum of scaling factors to density limits is compared to 1.
* Nuclide analysis results of I-131, Cs-134, Cs-137 were announced on March 12, 2013. H-3, All α and All βwere announced on June 19, 2013.
* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.
  I-131: Approx. 1.5Bq/L, All 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 Seawater of Unit 1 - 4 Intake<3/4>

(Data summarized on October 15)

Place of Sampling	Inside Unit 1-4 Water Intake Canal (North) 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.)
Date of Sampling	Apr 15, 2013		
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)	ND	—	60
Cs-137 (Approx. 30 years)	6.0	0.07	90
H-3 (approx. 12yrs)	110	0.00	60,000
All α	ND	—	—
All β	140	—	—
Sr-90 (Approx. 29 years)	77	2.6	30

* The density specified by the Reactor Regulation is converted from Bq/cm^3 to Bq/L.
* In the case of 2 nuclides or more, the sum of scaling factors to density limits is compared to 1.
* Nuclide analysis results of I-131, Cs-134, Cs-137 were announced on April 16, 2013. H-3, All α and All βwere announced on June 19, 2013.
* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.
  I-131: Approx. 1.2Bq/L, Cs-134: Approx. 2.5 Bq/L, All α: Approx. 0.13Bq/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 Seawater of Unit 1 - 4 Intake<4/4>

(Data summarized on October 15)

Place of Sampling	Inside Unit 1-4 Water Intake Canal (North) 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.)
Date of Sampling	May 13, 2013		
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)	9.2	0.15	60
Cs-137 (Approx. 30 years)	16	0.18	90
H-3 (approx. 12yrs)	290	0.00	60,000
All α	ND	—	—
All β	490	—	—
Sr-90 (Approx. 29 years)	340	11	30

* The density specified by the Reactor Regulation is converted from Bq/cm^3 to Bq/L.
* In the case of 2 nuclides or more, the sum of scaling factors to density limits is compared to 1.
* Nuclide analysis results of I-131, Cs-134, Cs-137 were announced on May 14, 2013. H-3, All α and All βwere announced on June 19, 2013.
* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.
  I-131: Approx. 1.3Bq/L, All α: Approx. 0.13Bq/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.