

Reference

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

(Data summarized on September 11)

| 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)<br>(The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.) |
|-------------------------------|--|--------------------------|---------------------------|----------------------|---|--------------------------|---|--------------------------|---|----------------------|---------------------------|----------------------|--|
|                               | Time of Sampling                             | Sep 10, 2014<br>06:45 am | N/A                       |                      | Sep 10, 2014<br>07:03 am  | Sep 10, 2014<br>06:49 am | Sep 10, 2014<br>06:52 am  | Sep 10, 2014<br>06:58 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   | -                        | -                         | -                    | 5.8   | 0.10                     | 3.7   | 0.06                     | 4.6   | 0.08                 | 11                        | 0.18                 | 60   |
| Cs-137 (Approx. 30 years)     | 2.1  | 0.02                     | -                         | -                    | 15  | 0.17                     | 12  | 0.13                     | 10  | 0.11                 | 33                        | 0.37                 | 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. 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 September 11)

| 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 Fukushima Daiichi NPS |                      |                           |                      |                           |                      | ② Density Limit Specified by the Reactor Regulation (Bq/L)<br>(The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.) |
|-------------------------------|---|--------------------------|---|----------------------|---------------------------|----------------------|---|----------------------|---------------------------|----------------------|---------------------------|----------------------|--|
|                               | Time of Sampling  | Sep 10, 2014<br>06:56 am | Sep 09, 2014<br>12:00 pm                | 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                                      | -                    | -                         | -                    | -   | -                    |                           |                      |                           |                      | 40   |
| Cs-134 (Approx. 2 years)      | 3.9   | 0.07                     | ND                                      | -                    | -                         | -                    | -   | -                    |                           |                      |                           |                      | 60   |
| Cs-137 (Approx. 30 years)     | 11  | 0.12                     | ND                                      | -                    | -                         | -                    | -   | -                    |                           |                      |                           |                      | 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.

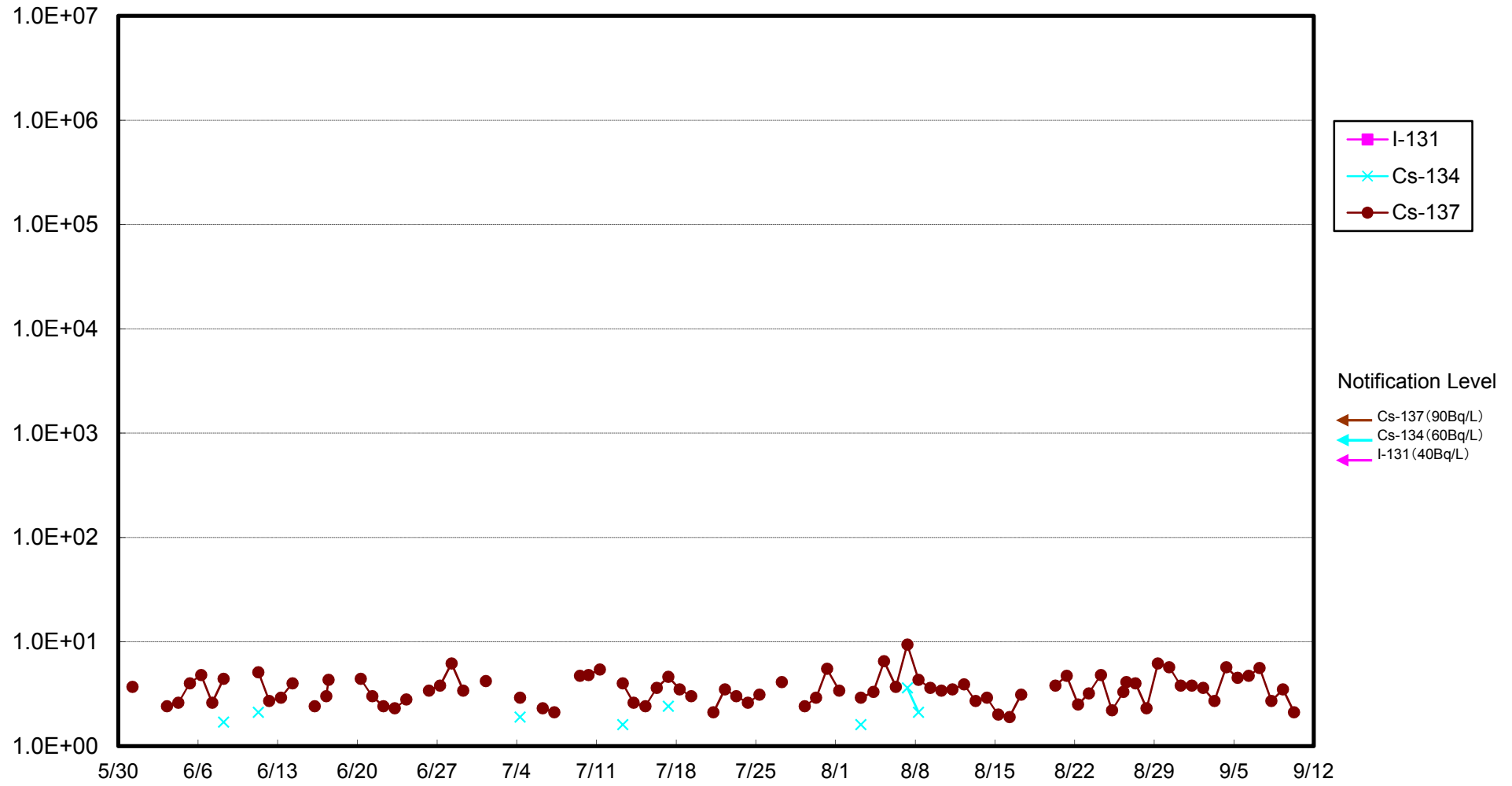
\* "ND" indicates that the measurement result is below the detection limit.

I-131: Approx. 2Bq/L, Cs-134: Approx. 1Bq/L, Cs-137: Approx. 1Bq/L

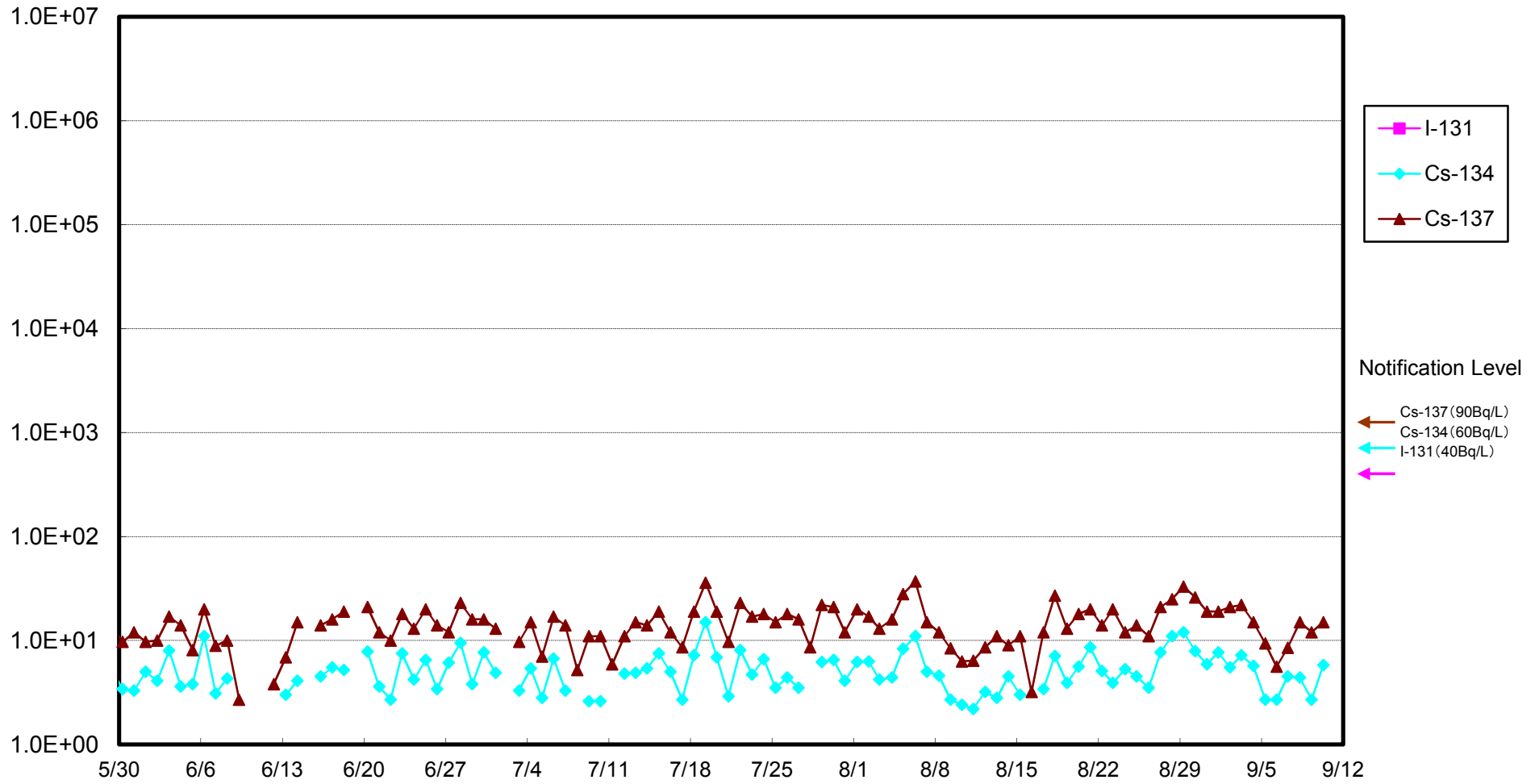
As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

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

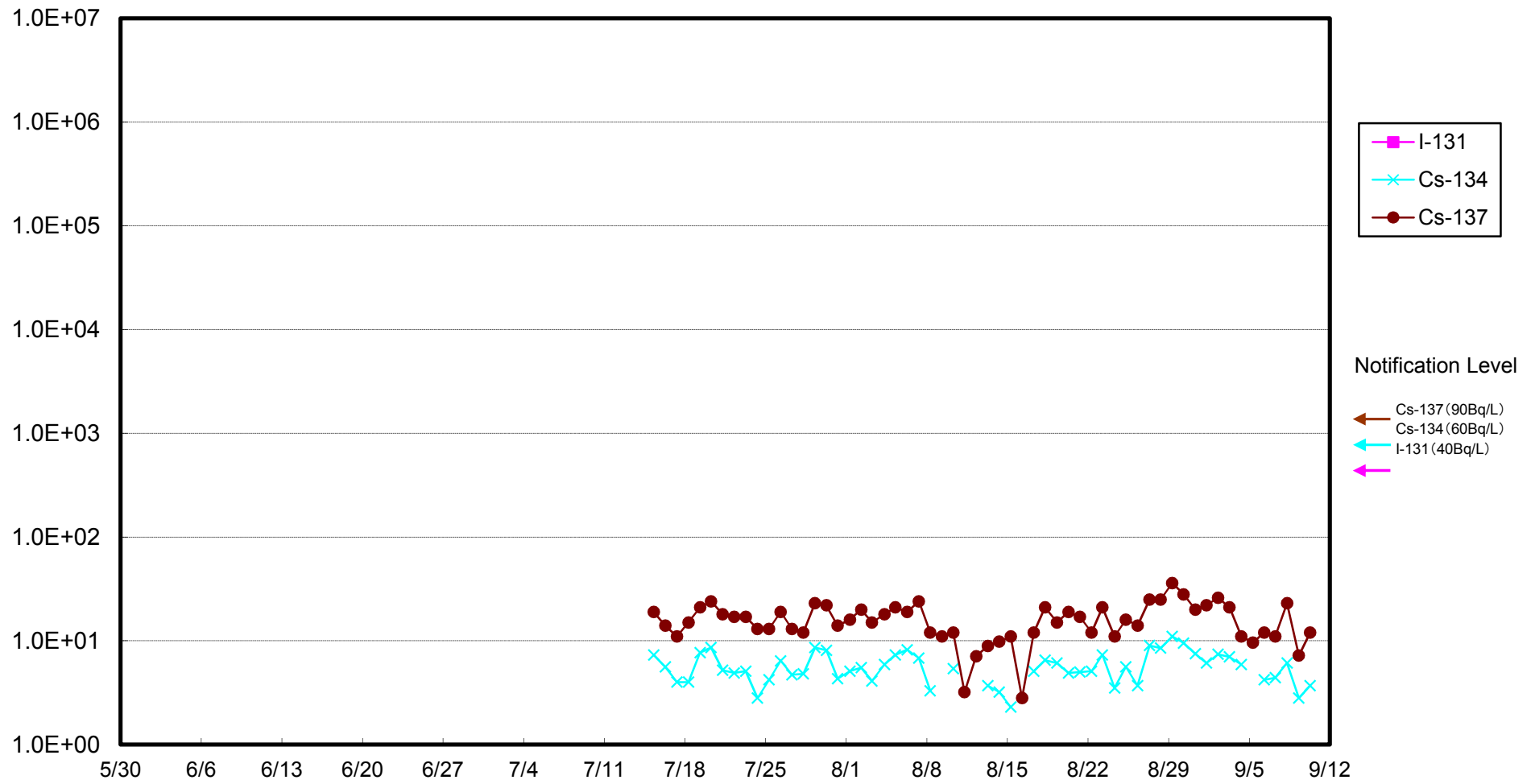
Radioactivity Density of the Seawater in Front of the Shallow Draft Quay at 1F (Bq/L)



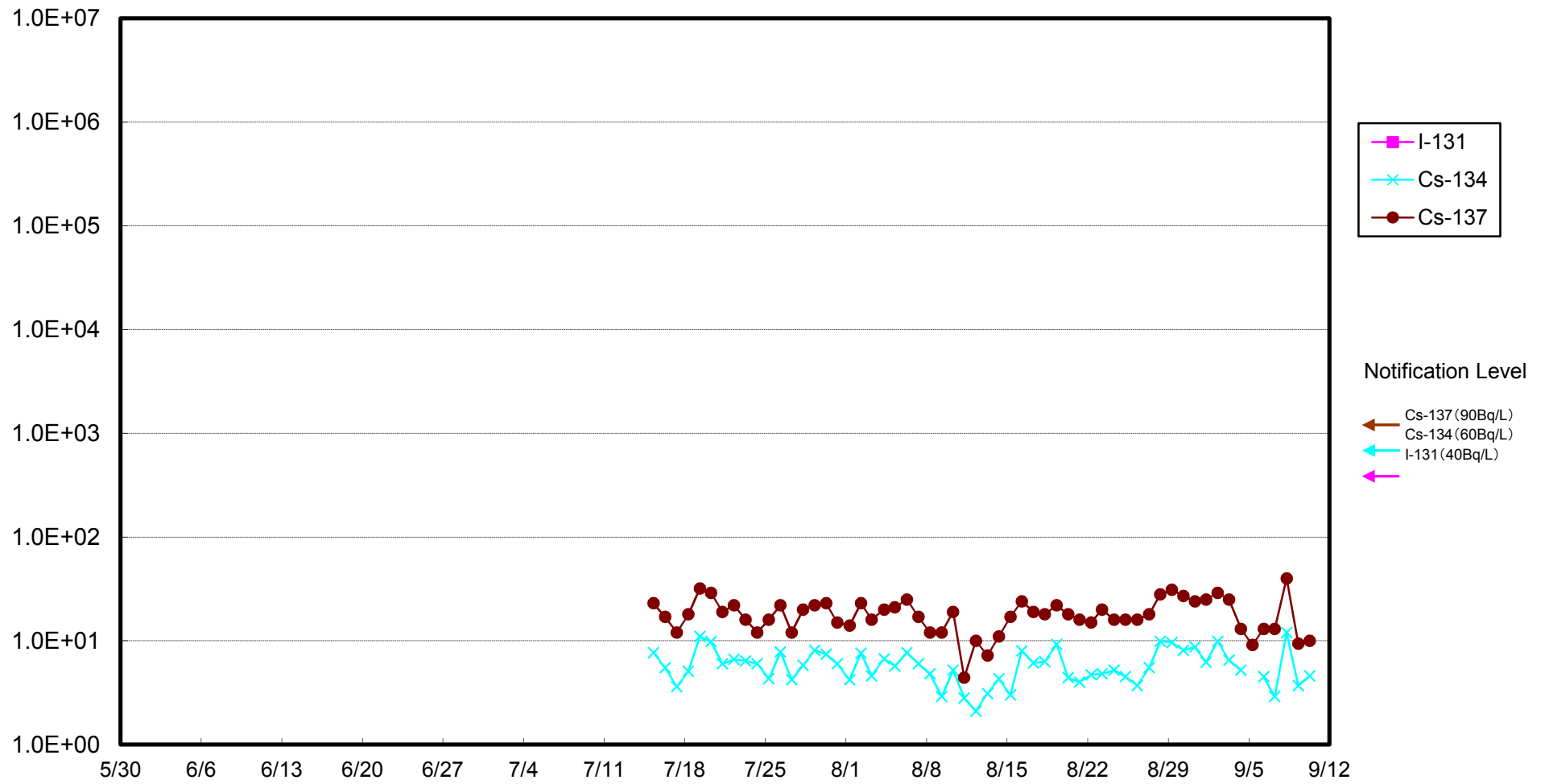
Radioactivity Density of the Seawater at the North of Unit 1-4 Water Intake (North of East Seawater Break of Fukushima Daiichi NPS (Bq/ L)



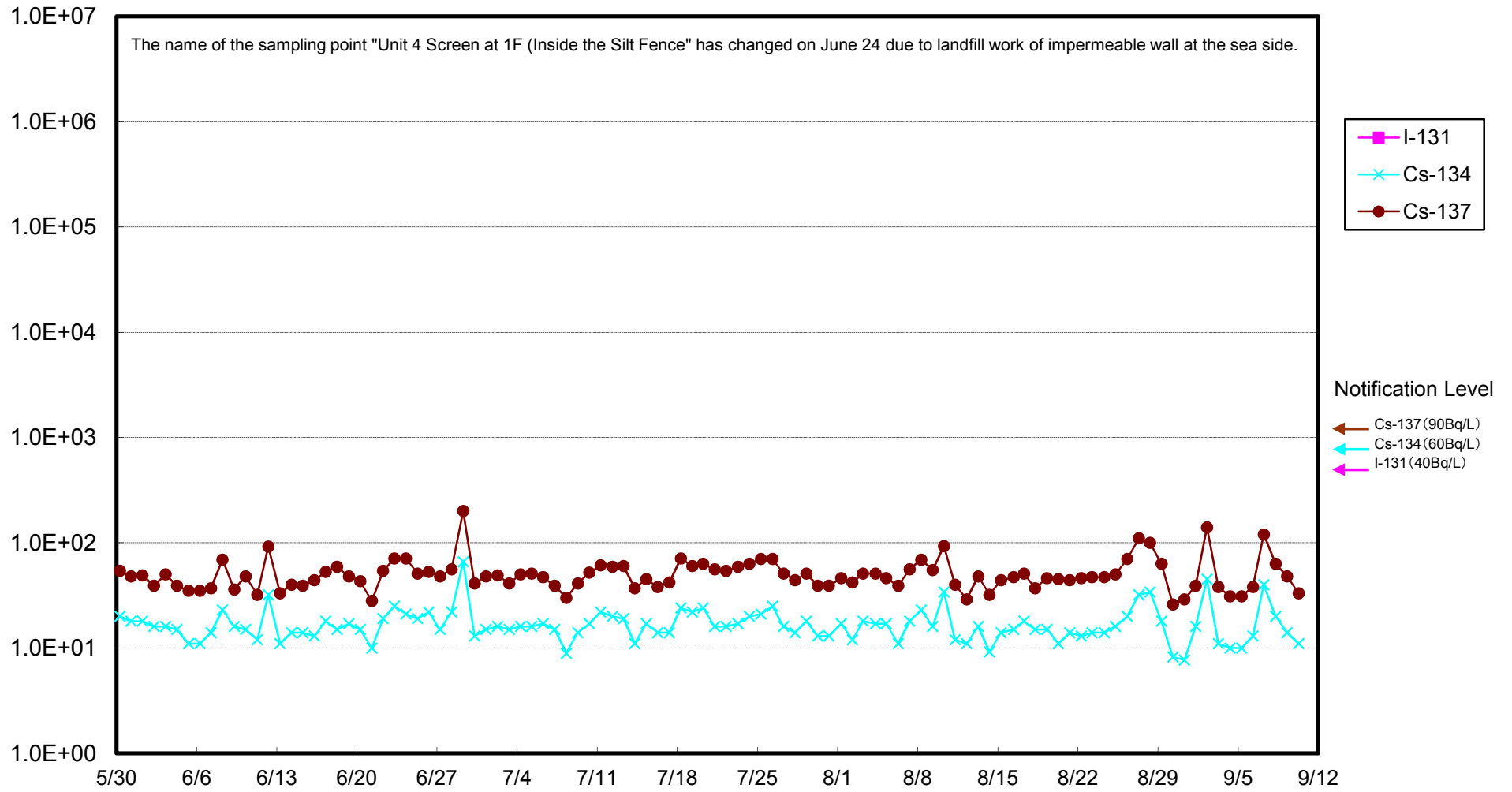
Radioactivity Density of the Seawater of Unit 1 Water Intake Canal at Fukushima Daiichi NPS (In front of Impermeable Wall) (Bq/L)



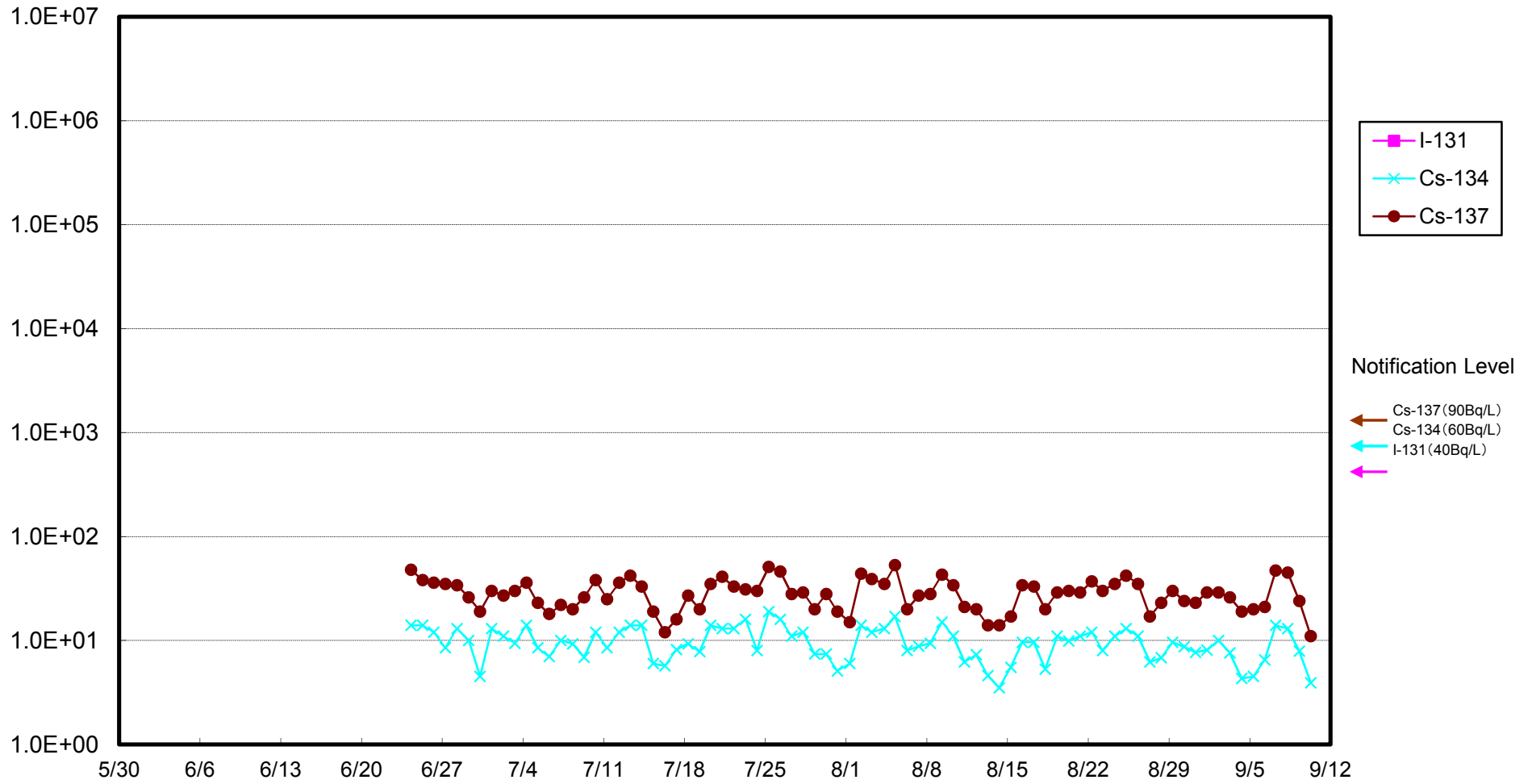
Radioactivity Density of the Seawater of Unit 2 Water Intake Canal at Fukushima Daiichi NPS (In front of Impermeable Wall) (Bq/L)



# 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)





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

