Reference

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

(Data summarized on November 28)

| Place of Sampling | Shallow Draft Quay at 1F * | | | | Inside Unit 1-4 Water Intake Canal (North) at Fukushima Daiichi NPS (North side of the East Seawall Break) | | 1F Unit 4 Screen sea water | | Inside Unit 1-4 Water Intake Canal (South) at Fukushima Daiichi NPS（in front of Impermeable Wall) | | 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 | Nov 27, 2014 7:00 AM | | N/A | | Nov 27, 2014 7:20 AM | | Nov 27, 2014 7:13 AM | | Nov 27, 2014 7:15 AM | | 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 | - | ND | - | ND | - | - | - | 40 |
| Cs-134 (Approx. 2 years) | ND | - | - | - | 3.2 | 0.05 | 4.0 | 0.07 | 3.0 | 0.05 | - | - | 60 |
| Cs-137 (Approx. 30 years) | 3.0 | 0.03 | - | - | 9.5 | 0.11 | 12 | 0.13 | 9.1 | 0.10 | - | - | 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 November 28)

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

＊ * 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.)

# Nuclides Analysis Result of Radioactive Materials in the Seawater of Unit 1 - 4 Intake

(Data summarized on November 28)

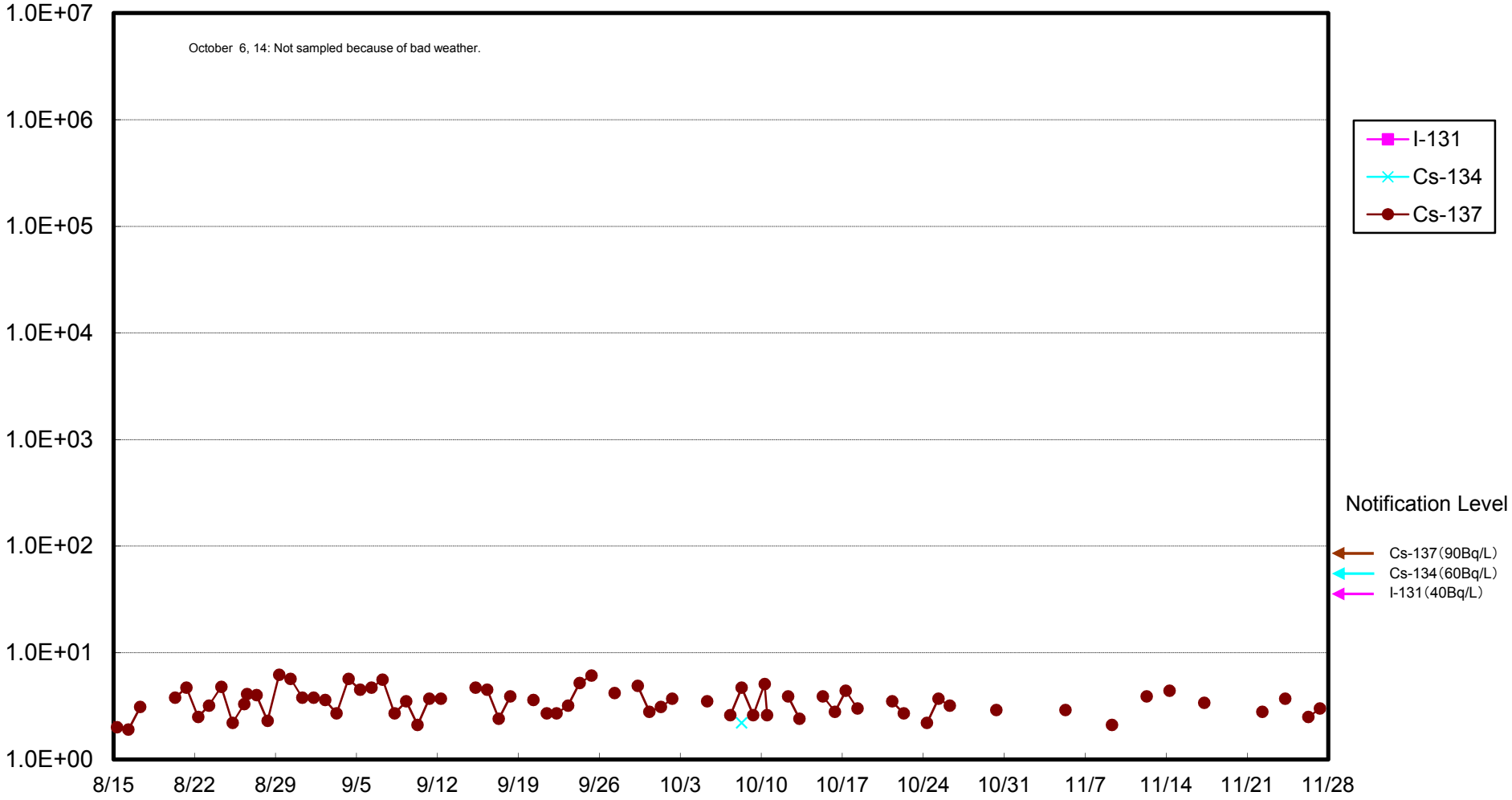
| Place of Sampling | Inside Unit 1-4 Water Intake Canal (North) at 1F (North side of the East Seawall Break) | | ② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.) |
|---|---|---|---|
| Date of Sampling | Oct 7, 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) | 2.2 | 0.04 | 60 |
| Cs-137 (Approx. 30 years) | 7.5 | 0.08 | 90 |
| H-3 (approx. 12yrs) | ND | — | 60,000 |
| All α | ND | — | — |
| All β | 44 | — | — |
| Sr-90 (Approx. 29 years) | 32 | 1.1 | 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.
* With regard to All β of I-131, Cs-134, Cs-137, were announced on Oct 8.
H-3 was annouced on Oct 10, Sr-90 was annouced on Nov 21
* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.
I-131: Approx. 1.4Bq/L, H-3: Approx. 100Bq/L, All α: Approx. 2.5Bq/L

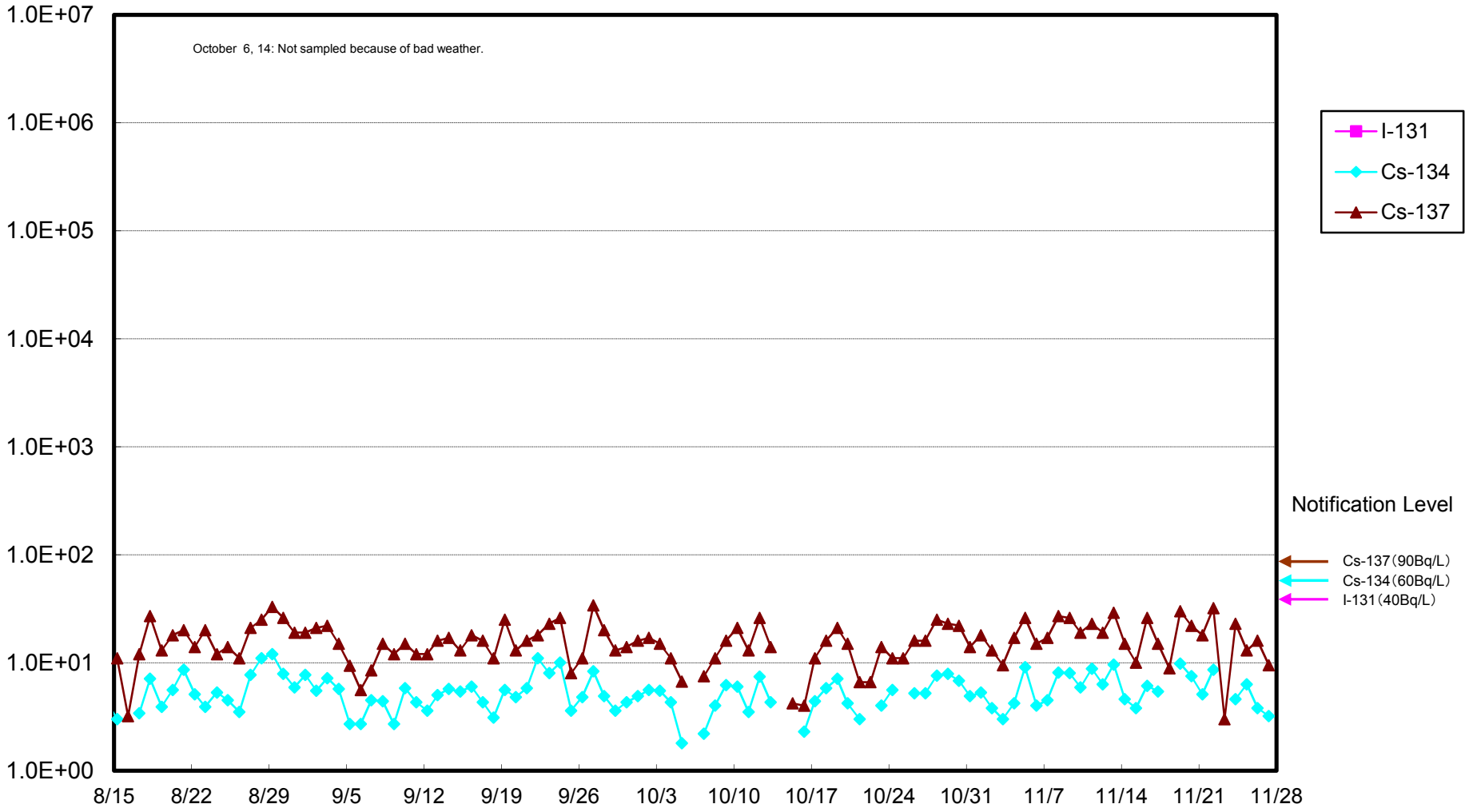
(Evaluation)

All β radiations, Sr-90 has been detected and it is considered as the result of the accident.

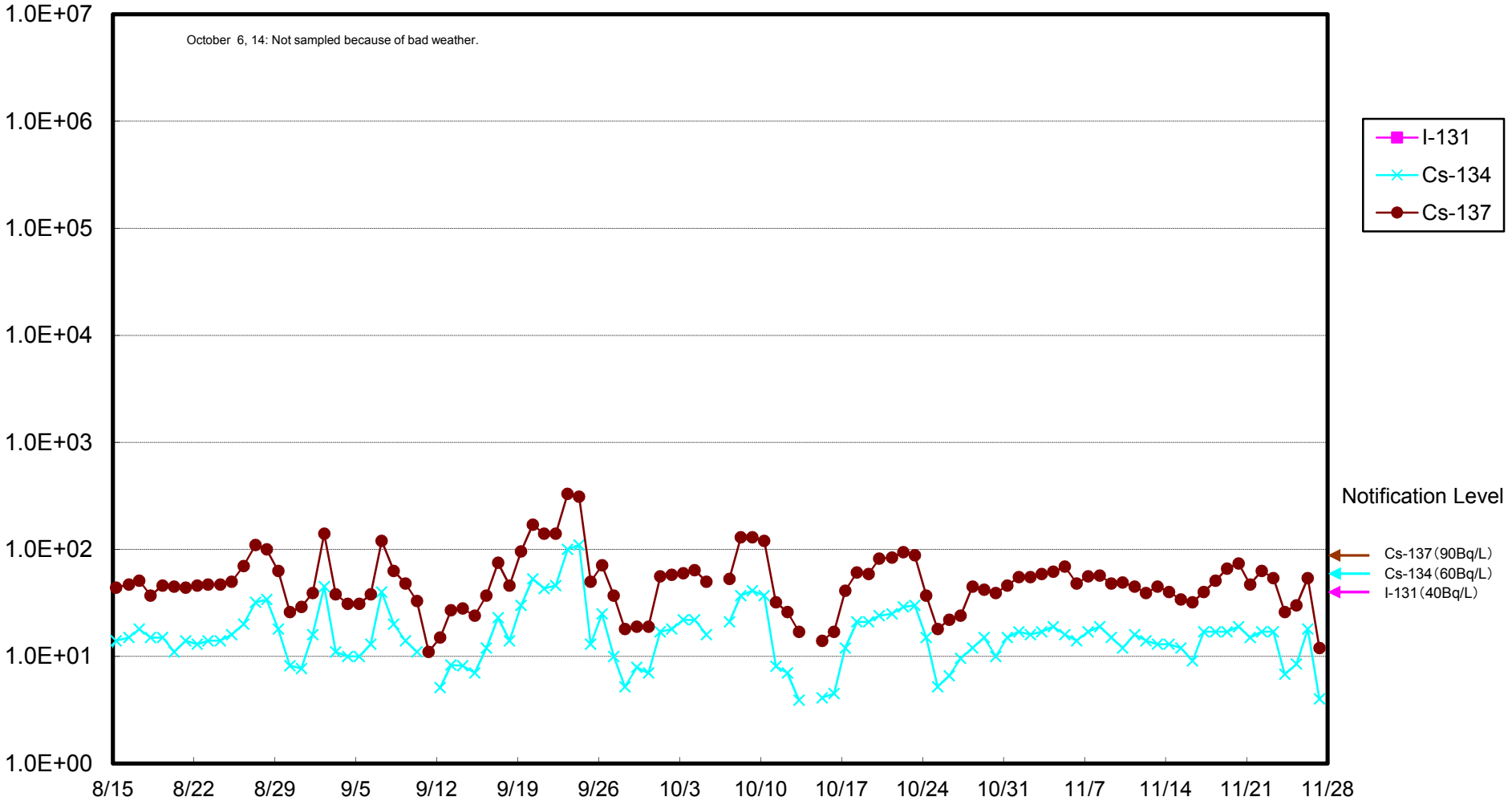
# Radioactivity Density of the Seawater in Front of the Shallow Draft Quay at 1F (Bq/L)



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)