

Reference

Nuclide Analysis Results of Radioactive Materials in Seawater < Coast, Fukushima Daiichi Nuclear Power Station >

(Data summarized on May 17)

| Place of Sampling | North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel) | | Around South Discharge Channel of 1F (approx. 330m south of 1-4u Discharge Channel) | | Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2) |
|-------------------------------|---|----------------------|---|----------------------|--|
| Time of Sampling | May 16, 2012 8:45 AM | | May 16, 2012 8:20 AM | | |
| Detected Nuclides (Half-life) | Density of Sample (Bq/L) | Scaling Factor (/) | Density of Sample (Bq/L) | Scaling Factor (/) | |
| I-131 (approx. 8 days) | ND | - | ND | - | 40 |
| Cs-134 (approx. 2 years) | ND | - | ND | - | 60 |
| Cs-137 (approx. 30 years) | ND | - | 1.6 | 0.02 | 90 |

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm³ to Bq/L.

* Data of other nuclides are under evaluation.

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* "ND" means the sampled data is below measurable limit.

I-131: approx. 0.56Bq/L, Cs-134: approx. 1.3Bq/L, Cs-137: approx. 1.6Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Nuclide Analysis Results of Radioactive Materials in Seawater <Offshore>

(Data summarized on May 17)

| Place of Sampling | *2 3km offshore of the Ukedo River (T-D1) | | | | *2 3km offshore of 1F (T-D5) | | | | *2 3km offshore of 2F (T-D9) | | | | Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2) |
|-------------------------------|--|----------------------|--------------------------|----------------------|---------------------------------|----------------------|--------------------------|----------------------|---------------------------------|----------------------|--------------------------|----------------------|--|
| | Upper layer | | Lower layer | | Upper layer | | Lower layer | | Upper layer | | Lower layer | | |
| Time of Sampling | Apr 10, 2012 9:20 AM | | Apr 10, 2012 9:20 AM | | Apr 10, 2012 8:50 AM | | Apr 10, 2012 8:50 AM | | Apr 13, 2012 9:00 AM | | Apr 13, 2012 9:00 AM | | |
| Detected Nuclides (Half-life) | Density of Sample (Bq/L) | Scaling Factor (/) | Density of Sample (Bq/L) | Scaling Factor (/) | Density of Sample (Bq/L) | Scaling Factor (/) | Density of Sample (Bq/L) | Scaling Factor (/) | Density of Sample (Bq/L) | Scaling Factor (/) | Density of Sample (Bq/L) | Scaling Factor (/) | |
| Cs-134 (approx. 2 years) | 0.031 | 0.00 | 0.037 | 0.00 | 0.053 | 0.00 | 0.046 | 0.00 | 0.069 | 0.00 | 0.059 | 0.00 | 60 |
| Cs-137 (approx. 30 years) | 0.044 | 0.00 | 0.055 | 0.00 | 0.071 | 0.00 | 0.062 | 0.00 | 0.088 | 0.00 | 0.079 | 0.00 | 90 |

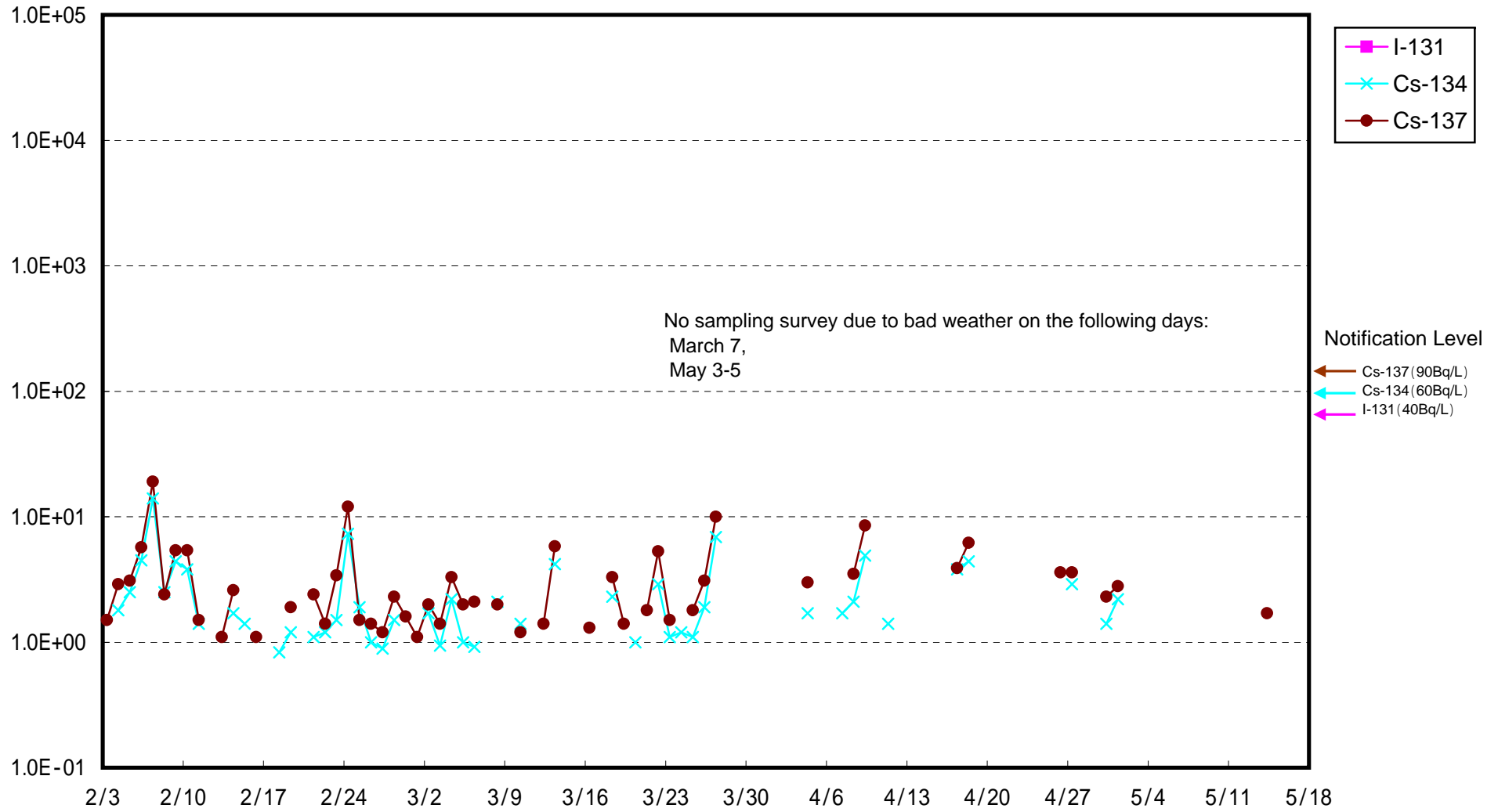
| Place of Sampling | *1 15km offshore of 1F (T-5) | | | | *1 3km offshore of Iwasawa Seashore (T-11) | | | | *1 10km offshore of 1F (T-B3) | | | | Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2) |
|-------------------------------|---------------------------------|----------------------|--------------------------|----------------------|---|----------------------|--------------------------|----------------------|----------------------------------|----------------------|--------------------------|----------------------|--|
| | Upper layer | | Lower layer | | Upper layer | | Lower layer | | Upper layer | | Lower layer | | |
| Time of Sampling | Apr 13, 2012 10:20 AM | | Apr 13, 2012 10:20 AM | | Apr 13, 2012 8:15 AM | | Apr 13, 2012 8:15 AM | | Apr 13, 2012 10:00 AM | | Apr 13, 2012 10:00 AM | | |
| Detected Nuclides (Half-life) | Density of Sample (Bq/L) | Scaling Factor (/) | Density of Sample (Bq/L) | Scaling Factor (/) | Density of Sample (Bq/L) | Scaling Factor (/) | Density of Sample (Bq/L) | Scaling Factor (/) | Density of Sample (Bq/L) | Scaling Factor (/) | Density of Sample (Bq/L) | Scaling Factor (/) | |
| Cs-134 (approx. 2 years) | 0.035 | 0.00 | 0.032 | 0.00 | 0.14 | 0.00 | 0.084 | 0.00 | 0.044 | 0.00 | 0.039 | 0.00 | 60 |
| Cs-137 (approx. 30 years) | 0.049 | 0.00 | 0.045 | 0.00 | 0.19 | 0.00 | 0.12 | 0.00 | 0.066 | 0.00 | 0.053 | 0.00 | 90 |

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm³ to Bq/L.

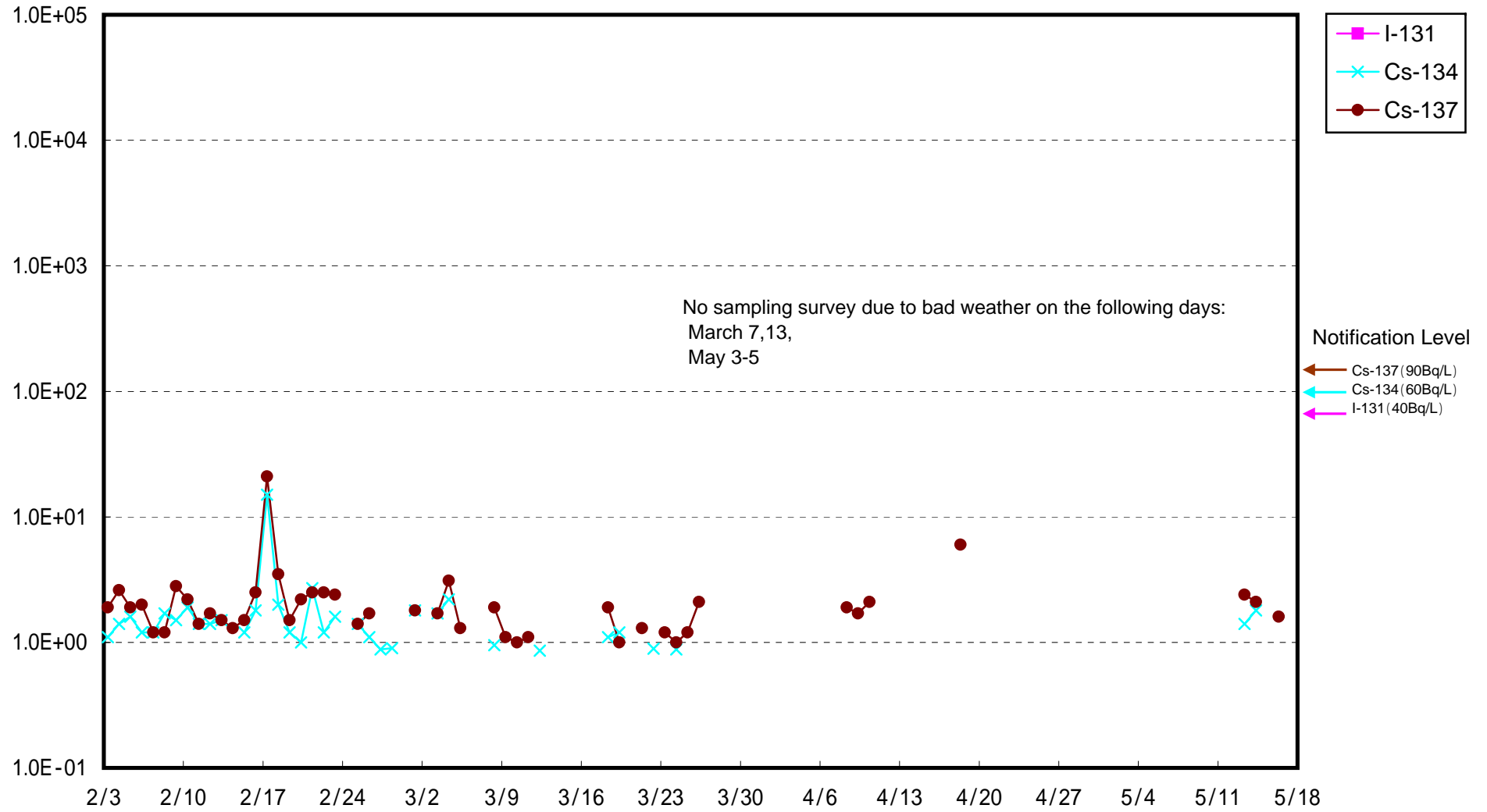
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* Analyzed by: *1 THE GENERAL ENVIRONMENTAL TECHNOS Co., LTD. *2 Tokyo Electric Power Environmental Engineering Co., Inc.

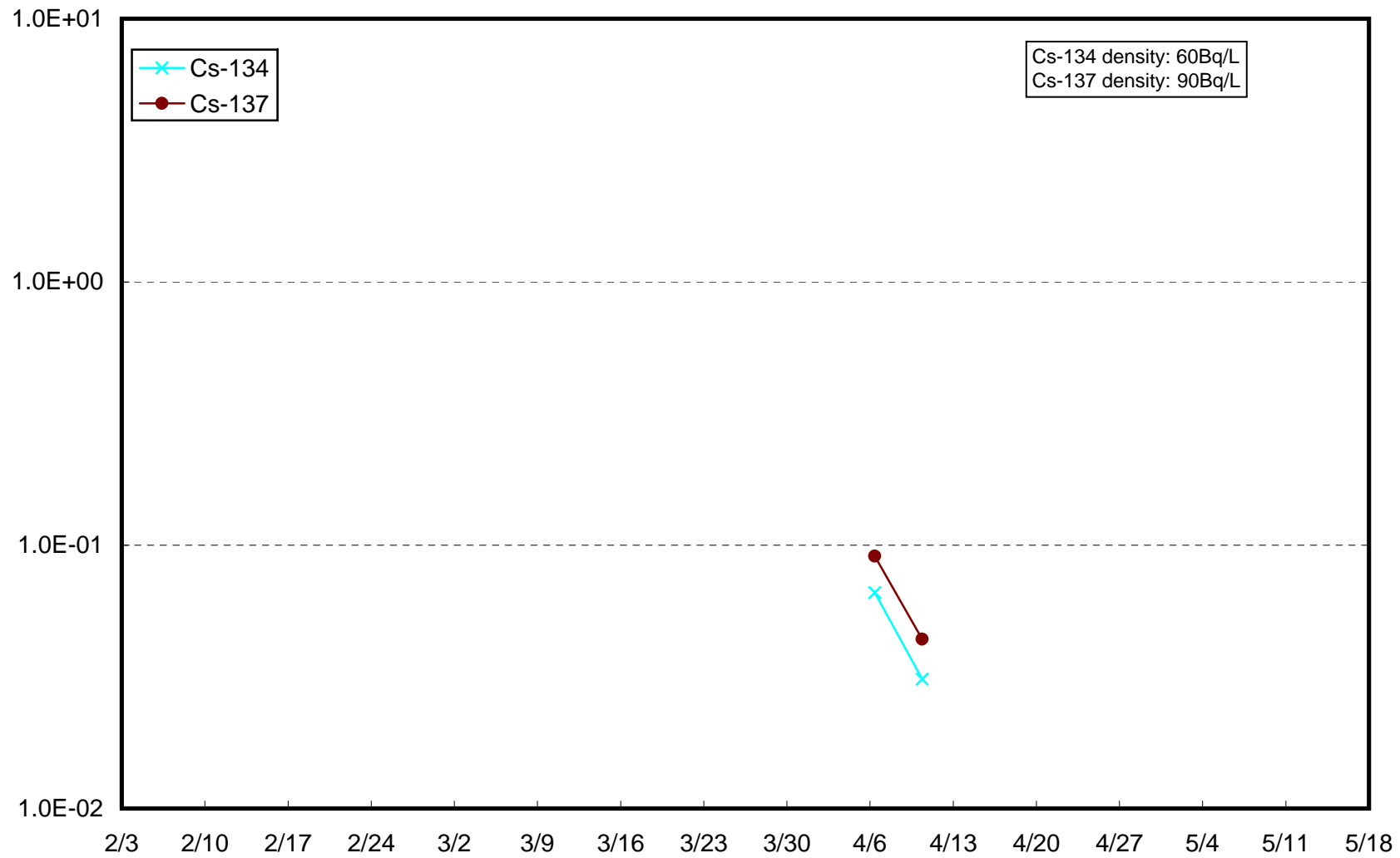
Radioactivity Density of Seawater at North of 1F5-6 Discharge Channel (Bq/L)



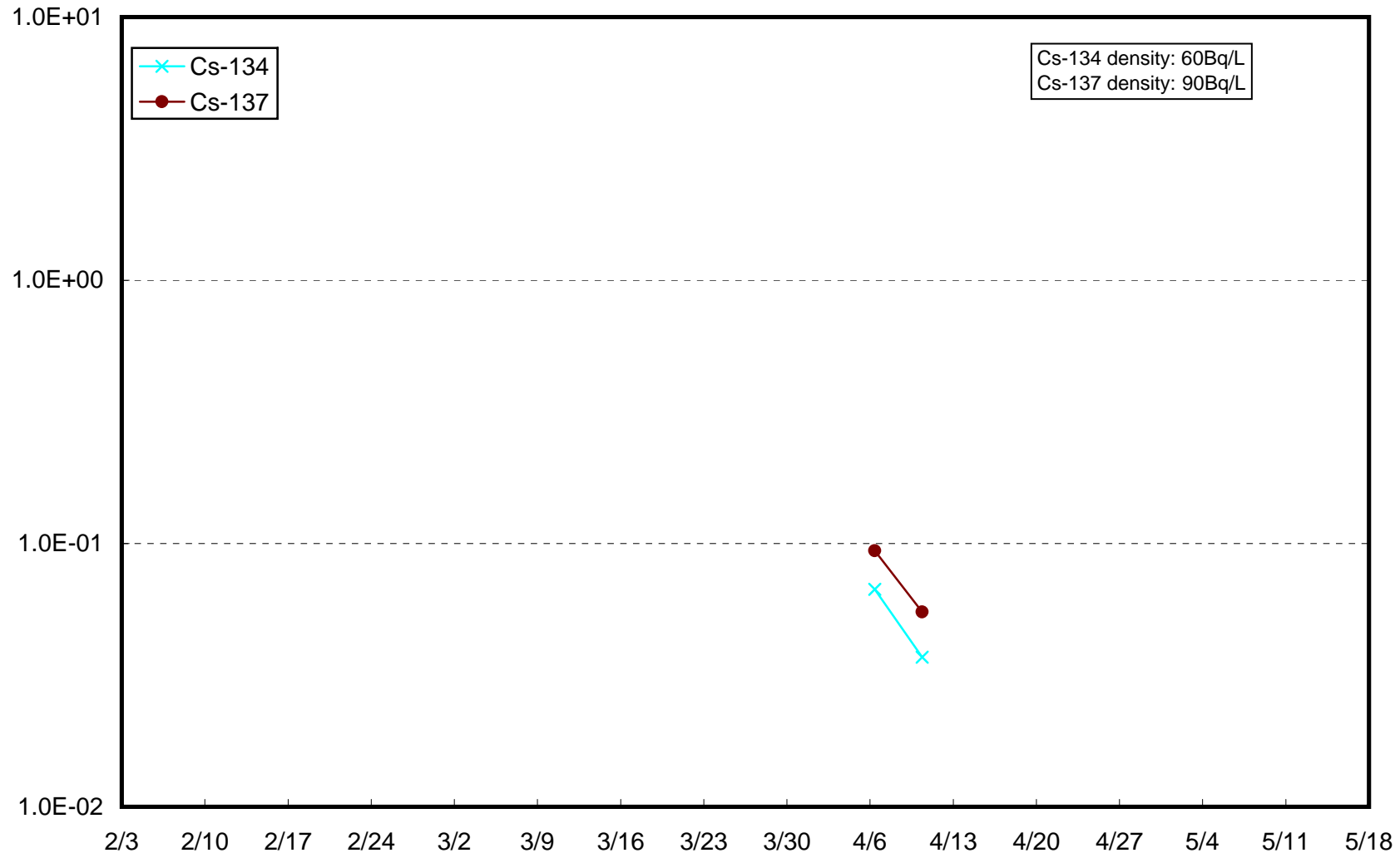
Radioactivity Density of Seawater at South Discharge Channel of 1F (Bq/L)



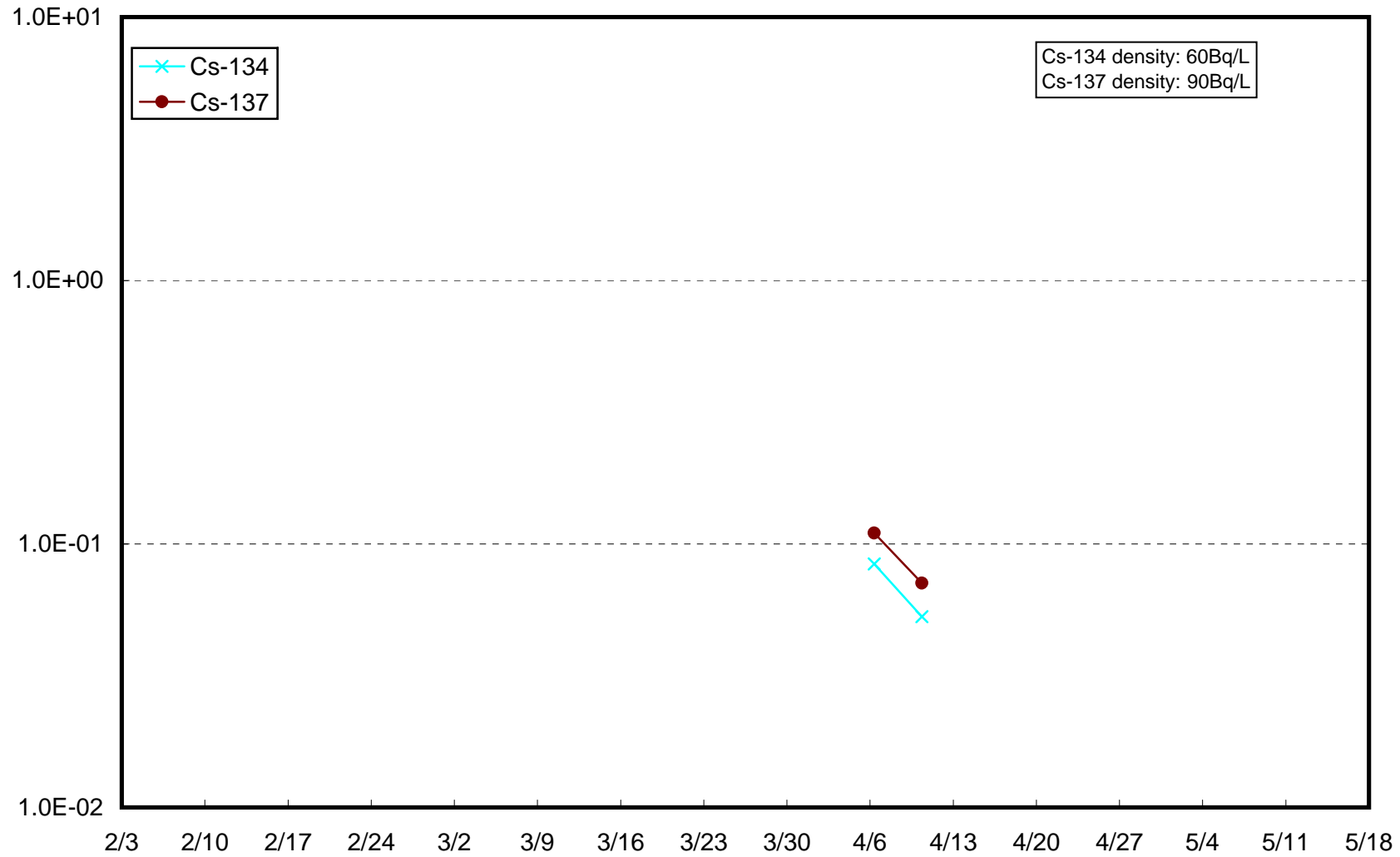
Radioactivity Density of Seawater Around 3km Offshore of Ukedo River (T-D1) Upper Layer (Bq/L)



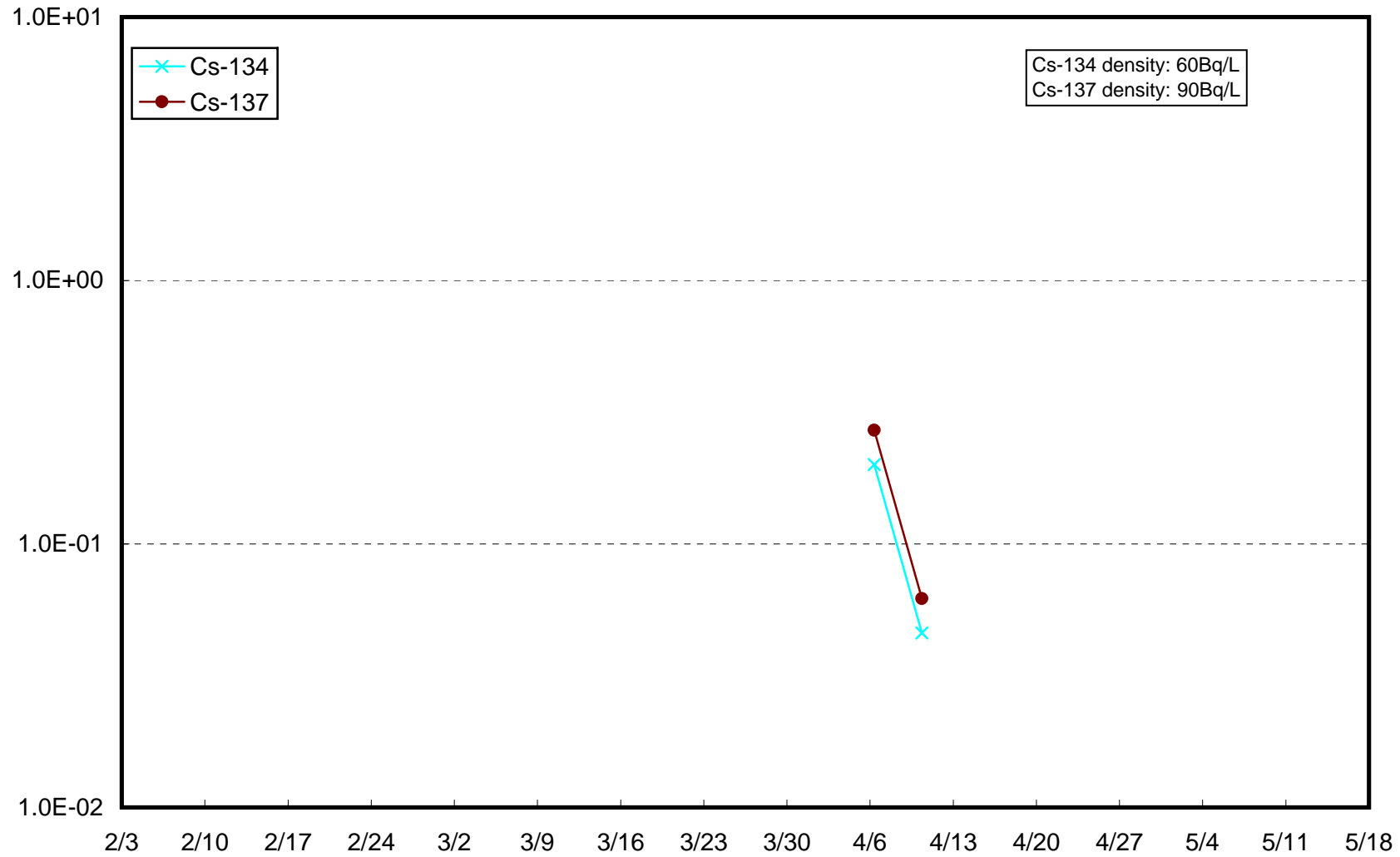
Radioactivity Density of Seawater Around 3km Offshore of Ukedo River (T-D1) Lower Layer (Bq/L)



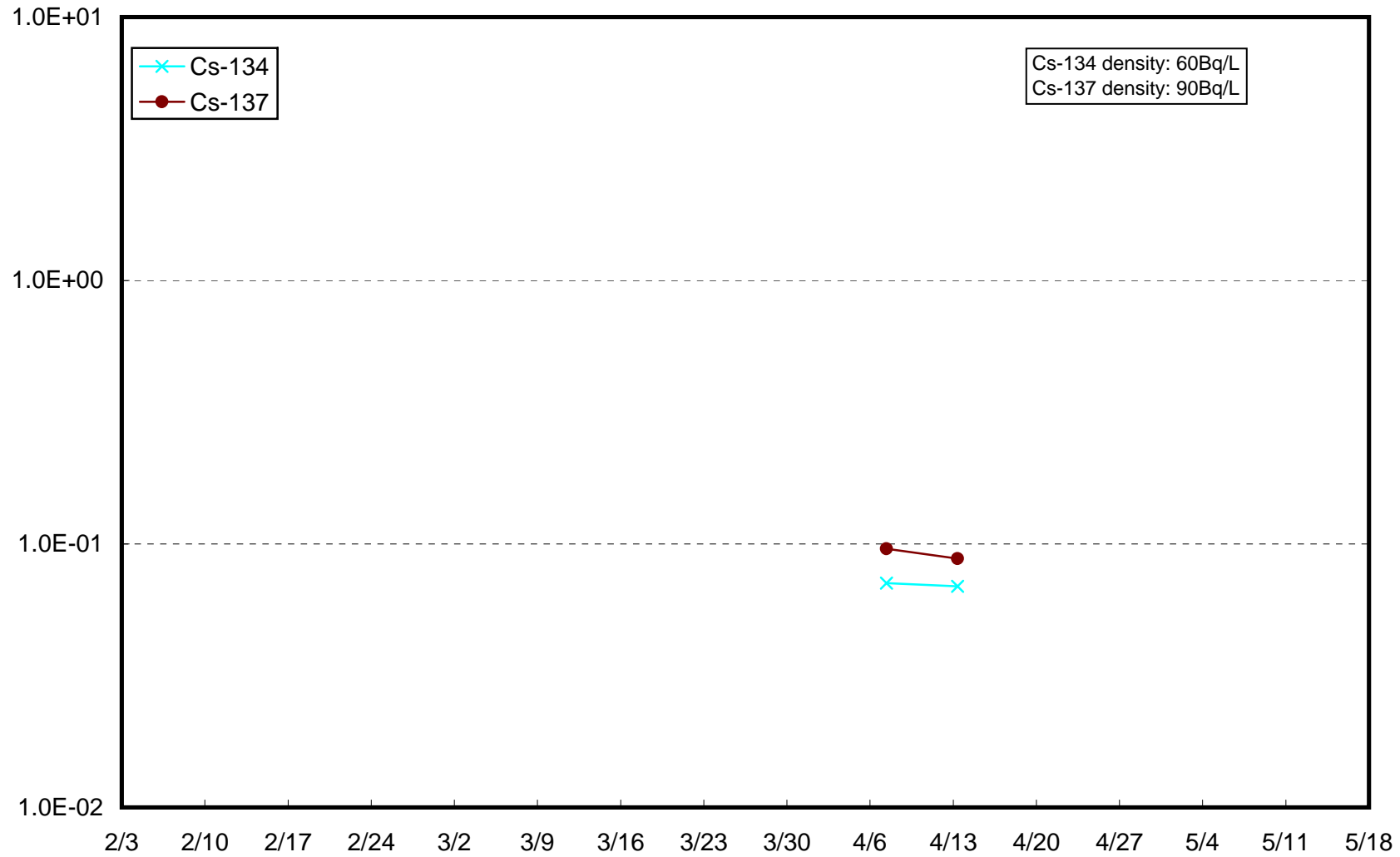
Radioactivity Density of Seawater (Upper Layer) Around 3km Offshore of Fukushima Daiichi NPS (T-D5) (Bq/L)



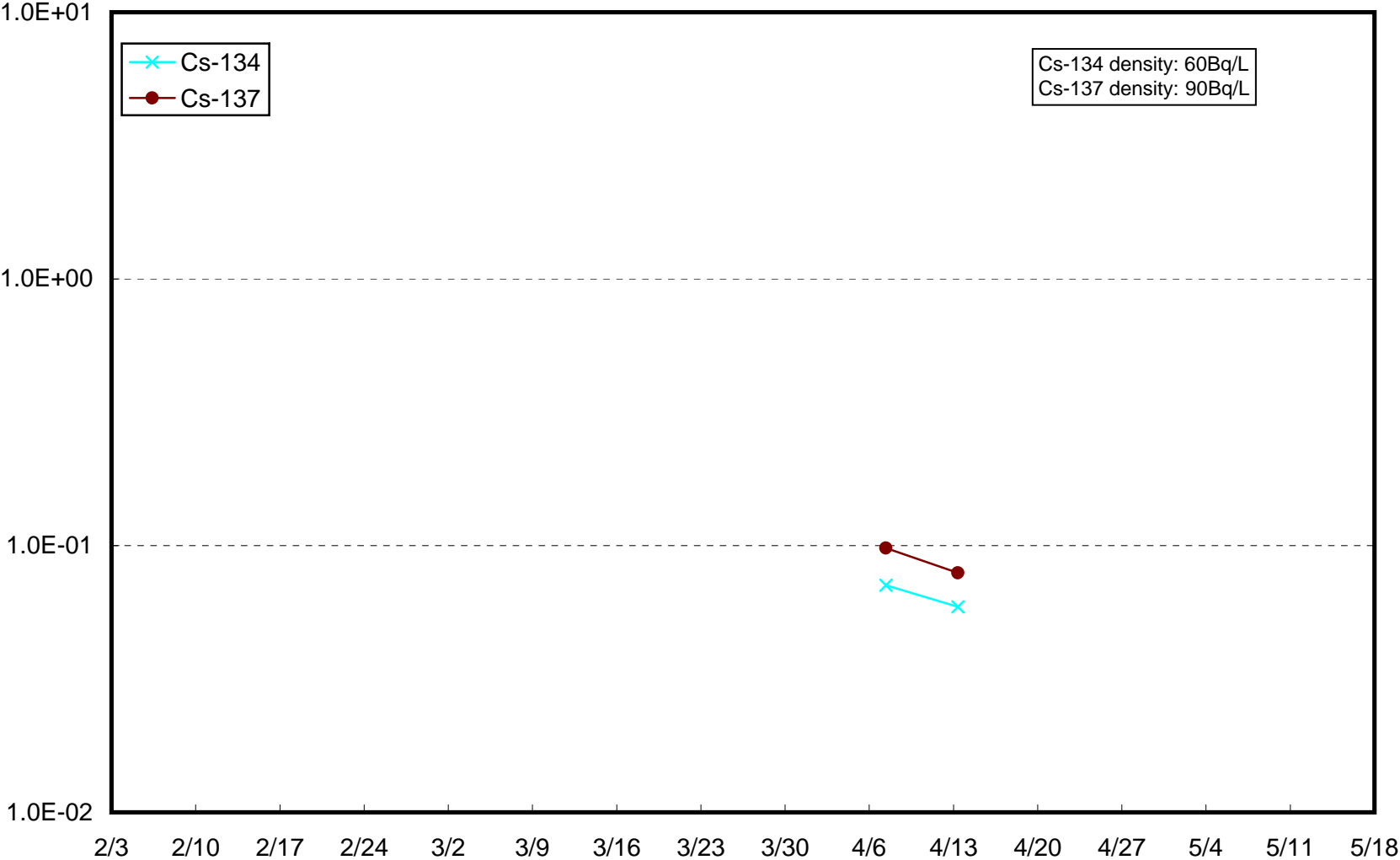
Radioactivity Density of Seawater (Lower Layer) Around 3km Offshore of Fukushima Daiichi NPS (T-D5)



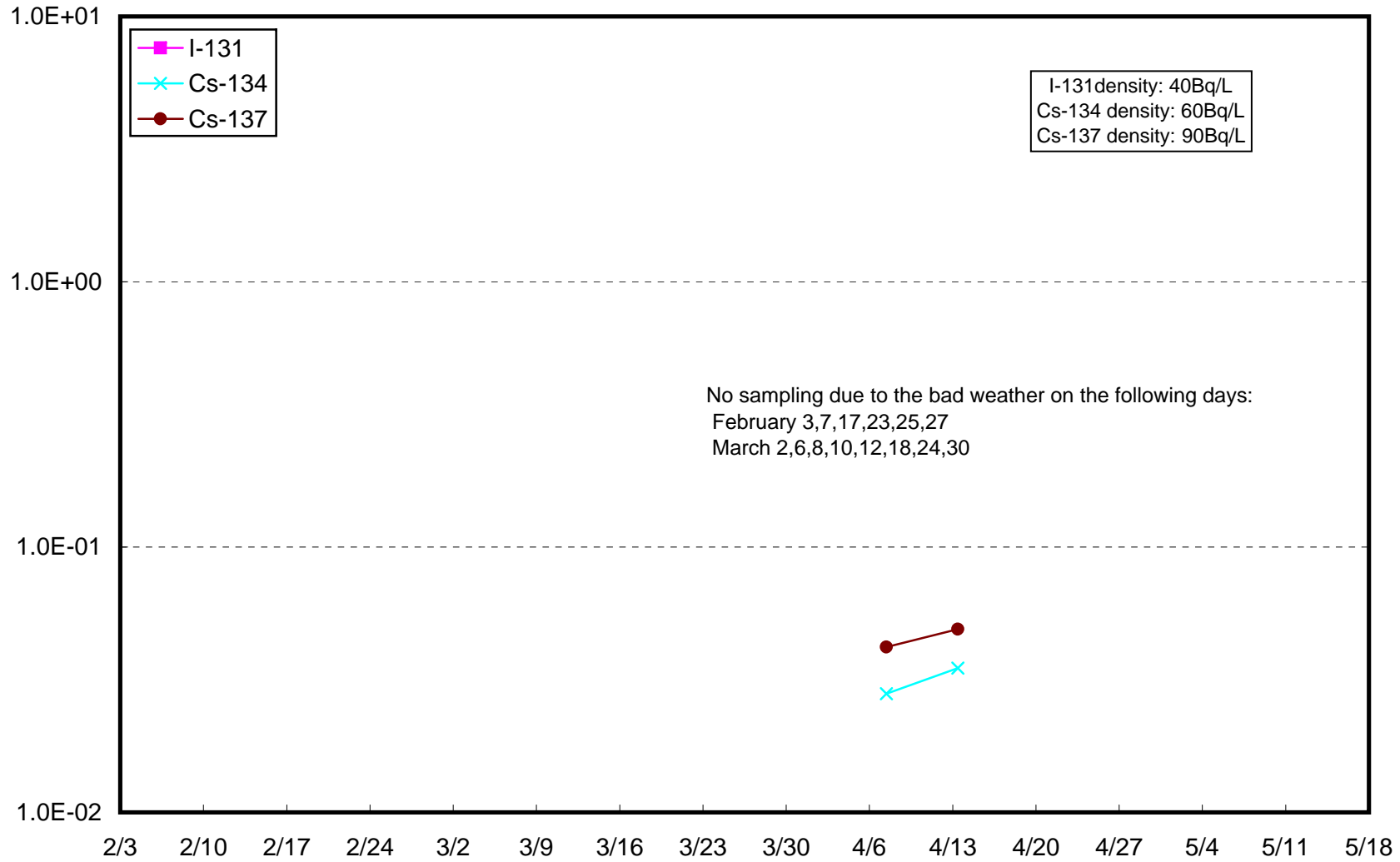
Radioactivity Density of Seawater (Upper Layer) Around 3km Offshore of Fukushima Daini NPS (T-D9) (Bq/L)



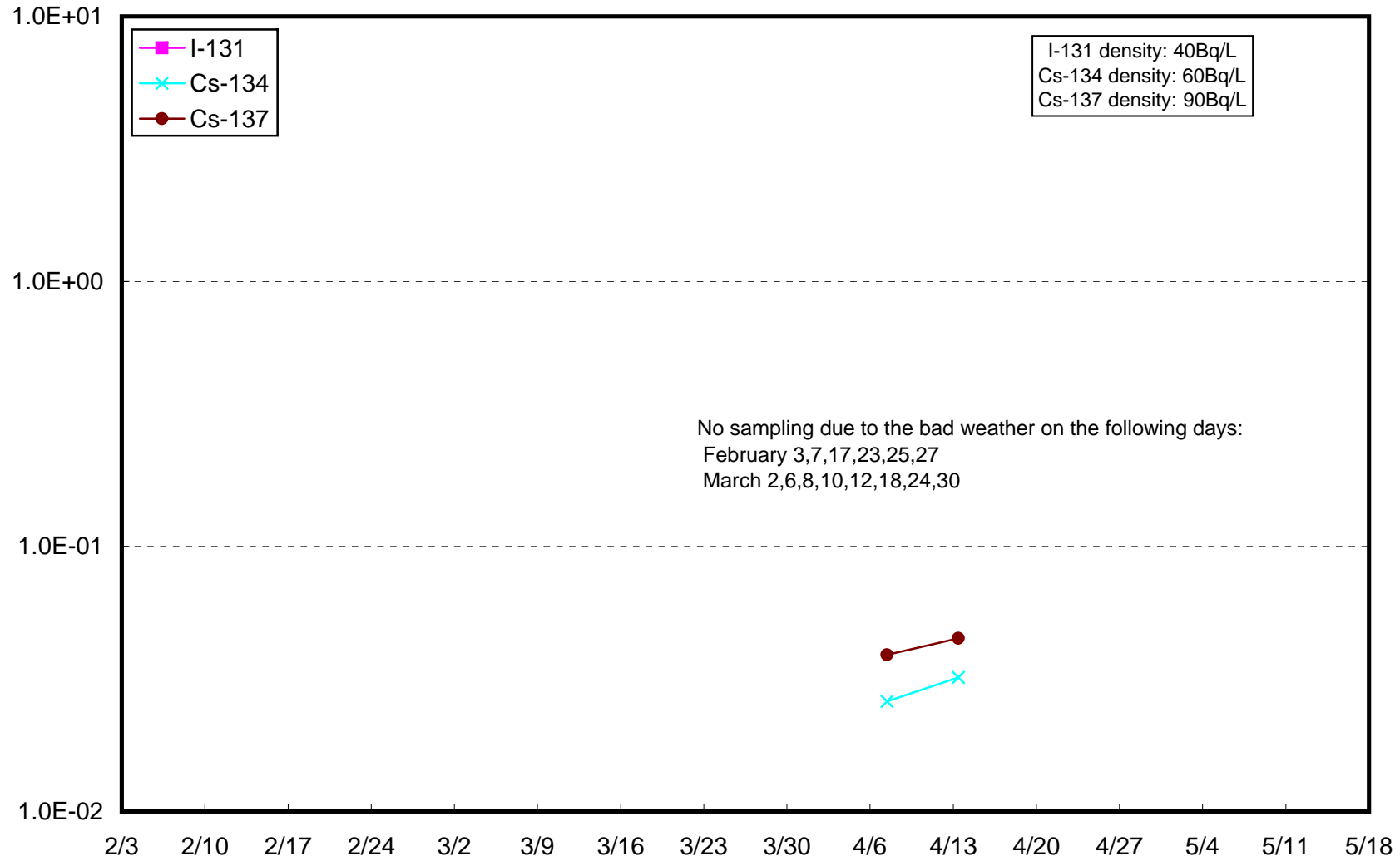
Radioactivity Density of Seawater (Lower Layer) Around 3km Offshore of Fukushima Daini NPS (T-D9) (Bq/L)



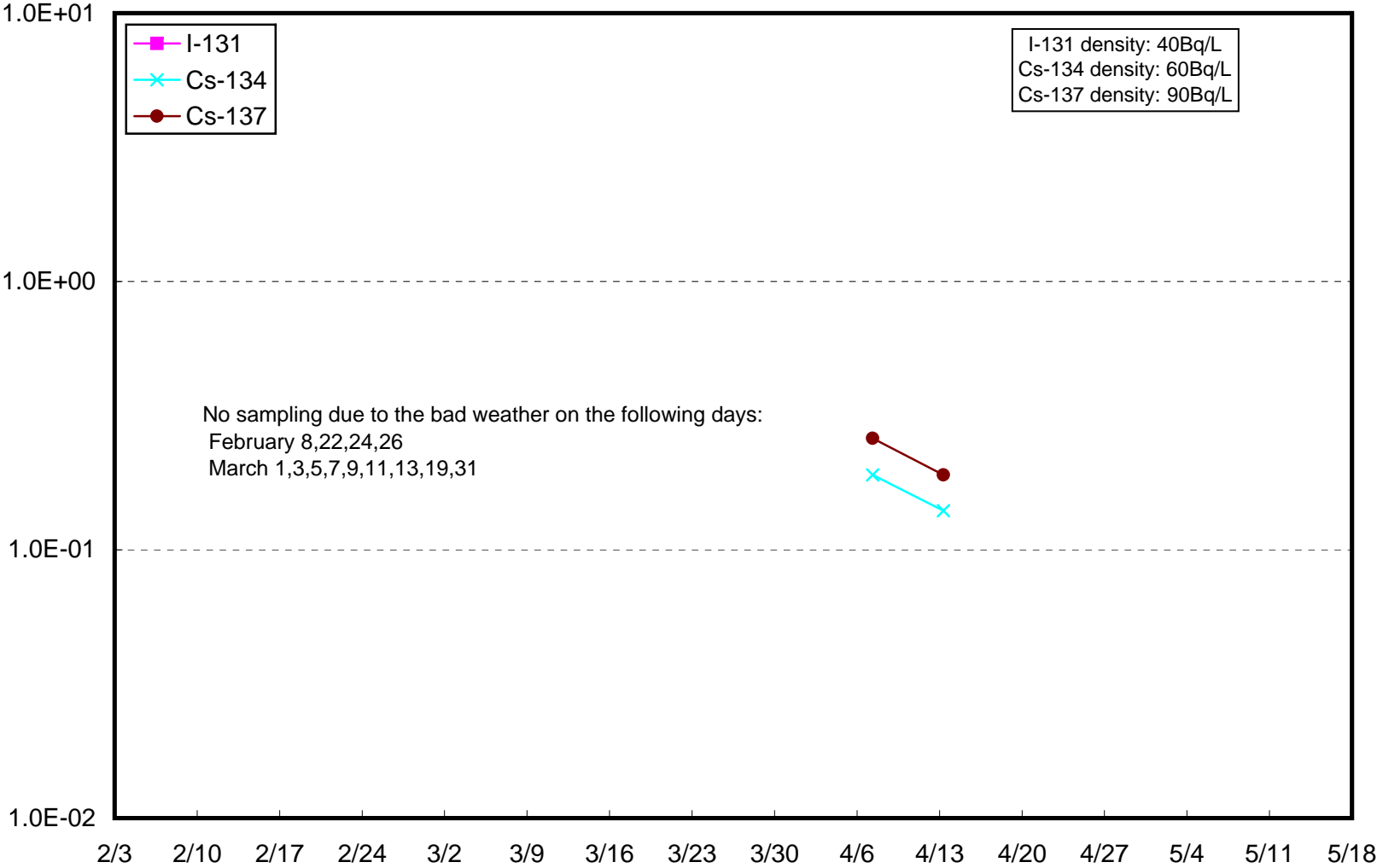
Radioactivity Density of Seawater (Upper Layer) Around 15km
Offshore of Fukushima Daiichi NPS (T-5) (Bq/L)



Radioactivity Density of Seawater (Lower Layer) Around 15km
Offshore of Fukushima Daiichi NPS (T-5) (Bq/L)



Radioactivity Density of Seawater (Upper Layer) Around 3km Offshore of Iwasawa Shore (T-11) (Bq/L)



Radioactivity Density of Seawater (Lower Layer) Around 3km Offshore of Iwasawa Shore (T-11) (Bq/L)

