Reference

# Nuclides Analysis Result of the Radioactive Materials in the Seawater < Coast, Fukushima Daiichi Nuclear Power Station, Within 20km Radius >

| Place of Sampling                |                                 | (Approx. 5.                 | South side of the 5km north of Uni |  |       |      | ② Density Limit Specified by the Reactor Regulation (Bq/L) |
|----------------------------------|---------------------------------|-----------------------------|------------------------------------|--|-------|------|--|
| Time of Sampling                 | Feb 4, 2<br>9:15 <i>A</i>       |                             | 2014<br>AM                         | (The density limit in the water outside the surrounding monitored areas is provided in |       |      |  |
| Detected Nuclides<br>(Half-life) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | Scaling<br>Factor<br>(1)/2)        | section 6 of Appendix 2.)  |       |      |  |
| Cs-134<br>(Approx. 2 years)      | 0.043                           | 0.00                        | 0.037                              | 0.00   | 0.042 | 0.00 | 60   |
| Cs-137<br>(Approx. 30 years)     | 0.089                           | 0.00                        | 0.11                               | 0.00   | 0.10  | 0.00 | 90   |

<sup>\*</sup> The density specified by the Reactor Regulation is converted from Bq/cm<sup>3</sup> to Bq/L.

<sup>\*</sup> In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

<sup>\*</sup> Analysis results by detail analysis (Phosphomolybdic acid ammonium adsorption sampling method) are noted.

<sup>\*</sup> Analyzed by Tokyo Power Technology Ltd.

Reference

# Nuclides Analysis Result of the Radioactive Materials in the Seawater < Coast, Fukushima Daiichi Nuclear Power Station >

| Place of Sampling                | North of Unit 5-6 Discharge<br>Daiichi N<br>(Approx. 30m North of Unit 8 | IPS                     | Around South Discharge C<br>Daiichi N<br>(Appox. 1.3km South of Unit | NPS .                | the Reactor Regulation (Bq/L)  |
|----------------------------------|--|-------------------------|--|----------------------|--|
| Time of Sampling                 | Mar 13, 2<br>7:25 A  |                         | Mar 13, 2<br>5:40 A  |                      | (The density limit in the water<br>outside the surrounding<br>monitored areas is provided in |
| Detected Nuclides<br>(Half-life) | ①Density of Sample<br>(Bq/L)   | Scaling Factor<br>(①/②) | ①Density of Sample<br>(Bq/L)   | Scaling Factor (①/②) | section 6 of Appendix 2.)  |
| I-131<br>(Approx. 8 days)        | ND(0.74)   | -                       | ND(0.73)   | -                    | 40   |
| Cs-134<br>(Approx. 2 years)      | ND(0.74)   | -                       | ND(0.71)   | -                    | 60   |
| Cs-137<br>(Approx. 30 years)     | 2.5  | 0.03                    | ND(0.65)   | -                    | 90   |

<sup>\*</sup> The density specified by the Reactor Regulation is converted from Bq/cm<sup>3</sup> to Bq/L.

<sup>\*</sup> Data of other nuclides is under evaluation.

<sup>\*</sup> In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

<sup>\* &</sup>quot;ND" indicates that the measurement result is below the detection limit, which is provided in parentheses.

# Nuclides Analysis Result of the Radioactive Materials in the Seawater < Coast, Fukushima Daiichi Nuclear Power Station, Remeasurement >

| Place of Sampling                |                                 |  | scharge Chan<br>North of Unit |      |                     |                                 |                             |                                 | charge Channe<br>South of Unit |                                 |                             |  | ② Density Limit Specified by the Reactor Regulation (Bq/L)        |
|----------------------------------|---------------------------------|--|-------------------------------|------|---------------------|---------------------------------|-----------------------------|---------------------------------|--------------------------------|---------------------------------|-----------------------------|--|---|
| Time of Sampling                 | Feb 3, 2<br>6:45 A              |  | Feb 10, 2<br>7:33 A           |      | Feb 17, 2<br>7:05 A |                                 | Feb 3, 2<br>5:50 A          |                                 | Feb 14, 2<br>5:50 A            |                                 | Feb 17, 2<br>6:05 A         |  | (The density limit in the water outside the surrounding monitored |
| Detected Nuclides<br>(Half-life) | ①Density of<br>Sample<br>(Bq/L) | Density of Scaling Density of Scaling Density of Scaling Sample Factor Sample Factor |                               |      |                     | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2)    | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | areas is provided in section 6 of Appendix 2.) |   |
| Cs-134<br>(Approx. 2 years)      | 0.14                            | 0.00   | 0.38                          | 0.01 | 0.47                | 0.01                            | 0.15                        | 0.00                            | 0.15                           | 0.00                            | 0.13                        | 0.00   | 60  |
| Cs-137<br>(Approx. 30 years)     | 0.31                            | 0.00   | 0.38 0.01 0.47                |      | 0.01                | 0.37                            | 0.00                        | 0.36                            | 0.00                           | 0.35                            | 0.00                        | 90   |   |

<sup>\*</sup> The density specified by the Reactor Regulation is converted from Bq/cm<sup>3</sup> to Bq/L.

<sup>\*</sup> In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

<sup>\*</sup> Analysis results by detail analysis (Phosphomolybdic acid ammonium adsorption sampling method) are noted.

<sup>\*</sup> Analyzed by: Tokyo Power Tecnology Ltd.

## Nuclides Analysis Result of the Radioactive Materials in the Seawater < Coast, Fukushima Daini Nuclear Power Station >

| Place of Sampling                |   | (Around                     | nd the North I<br>d Unit 3-4 Dis<br>Approx. 10kr | charge C                    | hannel)                         |                             | (Appro                          | x. 11km S                   | the North Signature<br>South of Unit<br>Approx. 23kr | 1 & 2 Disc                  | charge Chan                     | nel)                        | ② Density Limit<br>Specified by the<br>Reactor Regulation<br>(Bq/L) |
|----------------------------------|---|-----------------------------|--|-----------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------------------|--|-----------------------------|---------------------------------|-----------------------------|---|
| Time of Sampling                 | Feb 4, 2014 Feb 12, 2014 Feb 18, 2014<br>10:00 AM 10:00 AM 10:40 AM |                             |  |                             |                                 |                             | Feb 4, 2<br>7:30 A              |                             | Feb 12,<br>1:00 F                                    |                             | Feb 18,<br>7:25 /               |                             | (The density limit in the water outside the surrounding             |
| Detected Nuclides<br>(Half-life) | ①Density<br>of Sample<br>(Bq/L)                                     | Scaling<br>Factor<br>(1)/2) | ①Density<br>of Sample<br>(Bq/L)                  | Scaling<br>Factor<br>(1)/2) | ①Density<br>of Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | ①Density<br>of Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | ①Density<br>of Sample<br>(Bq/L)                      | Scaling<br>Factor<br>(1)/2) | ①Density<br>of Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | monitored areas is provided in section 6 of Appendix 2.)            |
| Cs-134<br>(Approx. 2 years)      | 0.091   | 0.00                        | 0.12   |                             |                                 | 0.00                        | 0.067                           | 0.00                        | 0.16   | 0.00                        | 0.083                           | 0.00                        | 60  |
| Cs-137<br>(Approx. 30 years)     | 0.25  | 0.00                        | 0.35   | 0.00                        | 0.29                            | 0.00                        | 0.19                            | 0.00                        | 0.40   | 0.00                        | 0.23                            | 0.00                        | 90  |

<sup>\*</sup> The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

<sup>\*</sup> Data of other nuclides is under evaluation.

<sup>\*</sup> In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

<sup>\*</sup> Analysis results by detail analysis (Phosphomolybdic acid ammonium adsorption sampling method) are noted. Analyzed by Tokyo Power Technology Ltd.

### Nuclides Analysis Result of Radioactive Materials in the Seawater < Offshore 1/4>

| Place of Sampling<br>(Place No.) |                                 |                             | odaka Ward (T-                  | ,                          |                                 |                             | kedo River (T-I                 | ,                           |                                 |                             | kedo River (T-l                 |                             | ② Density Limit Specified by the Reactor Regulation |
|----------------------------------|---------------------------------|-----------------------------|---------------------------------|----------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------------------|---|
| Time of Sampling                 | Upper La<br>Feb 5, 20           | -                           | Lower La<br>Feb 5, 20           |                            | Upper La<br>Jan 29, 2           |                             | Lower La<br>Jan 29, 2           | -                           | Upper La<br>Feb 5, 20           |                             | Lower La<br>Feb 5, 2            |                             | (Bq/L) (The density limit in the water outside the  |
| Time of Sampling                 | 9:55 A                          | M                           | 9:55 A                          | M                          | 9:45 A                          | М                           | 9:45 A                          | M                           | 9:39 Al                         | M                           | 9:39 A                          | М                           | surrounding monitored                               |
| Detected Nuclides<br>(Half-life) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(①/②) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | areas is provided in section 6 of Appendix 2.)      |
| Cs-134<br>(Approx. 2 years)      | 0.0035                          | 0.00                        | 0.0041                          | 0.00                       | 0.016                           | 0.00                        | 0.014                           | 0.00                        | 0.0046                          | 0.00                        | 0.0068                          | 0.00                        | 60  |
| Cs-137<br>(Approx. 30 years)     | 0.012                           | 0.00                        | 0.013                           | 0.00                       | 0.035                           | 0.00                        | 0.032                           | 0.00                        | 0.0098                          | 0.00                        | 0.016                           | 0.00                        | 90  |

| Place of Sampling (Place No.)    | 3km Offs                        | shore of U                  | lkedo River (T-[                | *2<br>01)                  | 3km Offs                        | shore of U                  | kedo River (T-I                 | *2<br>D1)                   | 3km Offshore                    | of Fukush                         | ima Daiichi NP | *2<br>S (T-D5)              | ② Density Limit<br>Specified by the<br>Reactor Regulation         |
|----------------------------------|---------------------------------|-----------------------------|---------------------------------|----------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------------------------|----------------|-----------------------------|---|
|                                  | Upper La                        | Upper Layer Lower Layer     |                                 |                            |                                 | ayer                        | Lower La                        | ayer                        | Upper La                        | ayer                              | Lower La       | ayer                        | (Bq/L)  |
| Time of Sampling                 | Feb 11, 2<br>10:05 A            | -                           | Feb 11, 2<br>10:05 A            | -                          | Feb 19, 2<br>9:13 A             |                             | Feb 19, 2<br>9:13 A             |                             | ,                               | Jan 29, 2014<br>10:50 AM 10:50 AM |                |                             | (The density limit in the water outside the surrounding monitored |
| Detected Nuclides<br>(Half-life) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(①/②) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | ①Density of<br>Sample<br>(Bq/L) | ①Density of Scaling Sample Factor |                | Scaling<br>Factor<br>(1)/2) | areas is provided in section 6 of Appendix 2.)                    |
| Cs-134<br>(Approx. 2 years)      | 0.046                           | 0.00                        | 0.030                           | 0.00                       | 0.015                           | 0.00                        | 0.014                           | 0.00                        | 0.010                           | 0.00                              | 0.014          | 0.00                        | 60  |
| Cs-137<br>(Approx. 30 years)     | 0.12                            | 0.00                        | 0.066                           | 0.00                       | 0.039                           | 0.00                        | 0.039                           | 0.00                        | 0.023                           | 0.00                              | 0.035          | 0.00                        | 90  |

 $<sup>^{\</sup>star}$  The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

<sup>\*</sup> In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

<sup>\*</sup> Analysis results by detail analysis (Phosphomolybdic acid ammonium adsorption sampling method) are noted.

 $<sup>^* \</sup> Analyzed \ by: \ ^*1 \ THE \ GENERAL \ ENVIRONMENTAL \ TECHNOS \ Co., \ LTD., \ ^*2 \ Tokyo \ Power \ Technology \ Ltd.$ 

### Nuclides Analysis Result of Radioactive Materials in the Seawater < Offshore 2/4>

| Place of Sampling<br>(Place No.) | 3km Oπsnore                     |                             | ima Daiichi NP                  |                             |                                 |                             | nima Daiichi NP                 | , ,                         |                                 |                             | ima Daiichi NP                  | , ,                         | Reactor Regulation  |
|----------------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------------------|---|
|                                  | Upper La                        | ayer                        | Lower La                        | ayer                        | Upper La                        | ayer                        | Lower La                        | ayer                        | Upper La                        | ayer                        | Lower La                        | ayer                        | (Bq/L)  |
| Time of Sampling                 | Feb 5, 20<br>8:30 A             |                             | Feb 5, 20<br>8:30 A             |                             | Feb 11, 2<br>11:08 A            |                             | Feb 11, 2<br>11:08 A            | -                           | Feb 19, 2<br>10:14 A            |                             | Feb 19, 2<br>10:14 A            |                             | (The density limit in the water outside the surrounding monitored |
| Detected Nuclides<br>(Half-life) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | areas is provided in section 6 of Appendix 2.)                    |
| Cs-134<br>(Approx. 2 years)      | 0.0040                          | 0.00                        | 0.011                           | 0.00                        | 0.013                           | 0.00                        | 0.012                           | 0.00                        | 0.022                           | 0.00                        | 0.0087                          | 0.00                        | 60  |
| Cs-137<br>(Approx. 30 years)     | 0.0093                          | 0.00                        | 0.028                           | 0.00                        | 0.030                           | 0.00                        | 0.028                           | 0.00                        | 0.052                           | 0.00                        | 0.017                           | 0.00                        | 90  |

| Place of Sampling<br>(Place No.) |                                 |                             | hima Daini NPS                  | , ,                        |                                 |                             | hima Daini NPS  | , ,                        |                                 |                                   | hima Daini NPS  | , ,                         | ② Density Limit<br>Specified by the<br>Reactor Regulation |
|----------------------------------|---------------------------------|-----------------------------|---------------------------------|----------------------------|---------------------------------|-----------------------------|---|----------------------------|---------------------------------|-----------------------------------|---|-----------------------------|---|
|                                  | Upper La                        | ayer                        | Lower La                        | ayer                       | Upper La                        | ayer                        | Lower La  | ayer                       | Upper La                        | ıyer                              | Lower La  | ayer                        | (Bq/L)  |
| Time of Sampling                 | Jan 28, 2<br>9:34 Al            |                             | Jan 28, 2<br>9:34 A             |                            | Feb 3, 2<br>9:21 A              |                             | Feb 3, 2014 The 3rd week of Feb 2014 The 3rd week of Feb 2014 9:21 AM *1 (Not sampled) *1 (Not sampled) |                            |                                 |                                   | (The density limit in the water outside the surrounding monitored |                             |   |
| Detected Nuclides<br>(Half-life) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(①/②) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | ①Density of<br>Sample<br>(Bq/L)   | Scaling<br>Factor<br>(①/②) | ①Density of<br>Sample<br>(Bq/L) | ①Density of Scaling Sample Factor |   | Scaling<br>Factor<br>(1)/2) | areas is provided in section 6 of Appendix 2.)            |
| Cs-134<br>(Approx. 2 years)      | 0.0090                          | 0.00                        | 0.016                           | 0.00                       | 0.0081                          | 0.00                        | 0.0072  | 0.00                       | -                               | -                                 | (Bq/L) (①/②)  |                             | 60  |
| Cs-137<br>(Approx. 30 years)     | 0.032                           | 0.00                        | 0.042                           | 0.00                       | 0.016                           | 0.00                        | 0.022   | 0.00                       | -                               | -                                 | -   | -                           | 90  |

<sup>\*</sup> The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

<sup>\*</sup> In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

<sup>\*</sup> Analysis results by detail analysis (Phosphomolybdic acid ammonium adsorption sampling method) are noted.

<sup>\*</sup> Analyzed by: Tokyo Power Technology Ltd.

<sup>\*1</sup> The sampling could not be performed due to the bad weather.

#### Nuclides Analysis Result of Radioactive Materials in the Seawater < Offshore 3/4>

| Place of Sampling (Place No.)    | 3km Offshore                    | e of Fukus                  | hima Daini NPS                  | *2<br>S (T-D9)              | 15km Offshore                   | e of Fukus                  | shima Daiichi N                 | *1<br>PS (T-5)              | 15km Offshor                    | e of Fukus                          | shima Daiichi N            | IPS (T-5)                   | ② Density Limit<br>Specified by the<br>Reactor Regulation         |
|----------------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------------------|---------------------------------|-------------------------------------|----------------------------|-----------------------------|---|
|                                  | Upper La                        | ayer                        | Lower La                        | ayer                        | Upper La                        | ayer                        | Lower La                        | ayer                        | Upper La                        | iyer                                | Lower La                   | ayer                        | (Bq/L)  |
| Time of Sampling                 | Feb 18, 2<br>10:12 A            |                             | Feb 18, 2<br>10:12 A            | -                           | Feb 3, 20<br>8:21 A             |                             | Feb 3, 20<br>8:21 A             | _                           | The 3rd week of *1 (Not sa      |                                     | The 3rd week of *1 (Not sa |                             | (The density limit in the water outside the surrounding monitored |
| Detected Nuclides<br>(Half-life) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | ①Density of<br>Sample<br>(Bq/L) | ①Density of Scaling Sample Factor S |                            | Scaling<br>Factor<br>(1)/2) | araaa ja pravidad in  |
| Cs-134<br>(Approx. 2 years)      | 0.0099                          | 0.00                        | 0.0073                          | 0.00                        | 0.0021                          | 0.00                        | 0.0035                          | 0.00                        | -                               | -                                   | ) (Bq/L) (①/②)<br>         |                             | 60  |
| Cs-137<br>(Approx. 30 years)     | 0.030                           | 0.00                        | 0.022                           | 0.00                        | 0.0055                          | 0.00                        | 0.0077                          | 0.00                        | -                               | -                                   | -                          | -                           | 90  |

| Place of Sampling (Place No.)    | 3km Offsl                       | nore of Iwa                 | asawa Shore (T                  | *1<br>-11)                 | 3km Offsl                       | nore of lwa                 | asawa Shore (T                  | <sup>-</sup> -11)           | 3km Offs                        | hore of Or                                   | nahama Port (T  | *1<br>-18)                  | ② Density Limit<br>Specified by the<br>Reactor Regulation |
|----------------------------------|---------------------------------|-----------------------------|---------------------------------|----------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------------------|---------------------------------|--|---|-----------------------------|---|
|                                  | Upper La                        | ayer                        | Lower La                        | ayer                       | Upper La                        | ayer                        | Lower La                        | ayer                        | Upper La                        | ayer   | Lower La  | ayer                        | (Bq/L)  |
| Time of Sampling                 | Feb 3, 20<br>10:14 A            |                             | Feb 3, 2<br>10:14 <i>A</i>      |                            | The 3rd week of *1 (Not sa      |                             | The 3rd week of *1 (Not sa      |                             |                                 |  | (The density limit in the water outside the surrounding monitored |                             |   |
| Detected Nuclides<br>(Half-life) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(①/②) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | ①Density of<br>Sample<br>(Bq/L) | ①Density of Scaling ①Dens Sample Factor Samp |   | Scaling<br>Factor<br>(1)/2) | areas is provided in section 6 of Appendix 2.)            |
| Cs-134<br>(Approx. 2 years)      | 0.023                           | 0.00                        | 0.015                           | 0.00                       | -                               | -                           | -                               | -                           | 0.015                           | 0.00   | 0.016   | 0.00                        | 60  |
| Cs-137<br>(Approx. 30 years)     | 0.056                           | 0.00                        | 0.038                           | 0.00                       | -                               | -                           | -                               | 1                           | 0.041                           | 0.00   | 0.041   | 0.00                        | 90  |

<sup>\*</sup> The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

 $<sup>^{\</sup>star}$  In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

<sup>\*</sup> Analysis results by detail analysis (Phosphomolybdic acid ammonium adsorption sampling method) are noted.

<sup>\*</sup> Analyzed by: \*1 THE GENERAL ENVIRONMENTAL TECHNOS Co., LTD., \*2 Tokyo Power Technology Ltd.

<sup>\*1</sup> The sampling could not be performed due to the bad weather.

### Nuclides Analysis Result of Radioactive Materials in the Seawater < Offshore 4/4>

| Place of Sampling<br>(Place No.) | 5KM OTIS                        | 5km Offshore of Numanouchi (T-M10)  Upper Layer Lower Layer |                                 |                            |                                 | shore of N                  | lida River (T-13<br>Lower La    | ,                           | 3km<br>Upper La                 |                             | of Soma (T-22)                        |                             | ② Density Limit Specified by the Reactor Regulation (Bq/L)        |
|----------------------------------|---------------------------------|---|---------------------------------|----------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------------------|---------------------------------------|-----------------------------|---|
| Time of Sampling                 | Feb 6 20                        | 014   | Feb 6, 20<br>7:07 Al            | 014                        | Feb 6, 20<br>6:18 Al            | 014                         | Feb 6, 20<br>6:18 Al            | 014                         | Feb 6, 20<br>5:13 Al            | 014                         | Lower Layer<br>Feb 6, 2014<br>5:13 AM |                             | (The density limit in the water outside the surrounding monitored |
| Detected Nuclides<br>(Half-life) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2)                                 | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(①/②) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | ①Density of<br>Sample<br>(Bq/L)       | Scaling<br>Factor<br>(1)/2) | areas is provided in section 6 of Appendix 2.)                    |
| Cs-134<br>(Approx. 2 years)      | 0.0024                          | 0.00  | 0.0043                          | 0.00                       | 0.0046                          | 0.00                        | 0.0061                          | 0.00                        | 0.0020                          | 0.00                        | 0.0074                                | 0.00                        | 60  |
| Cs-137<br>(Approx. 30 years)     | 0.0050                          | 0.00  | 0.014                           | 0.00                       | 0.014                           | 0.00                        | 0.018                           | 0.00                        | 0.0074                          | 0.00                        | 0.017                                 | 0.00                        | 90  |

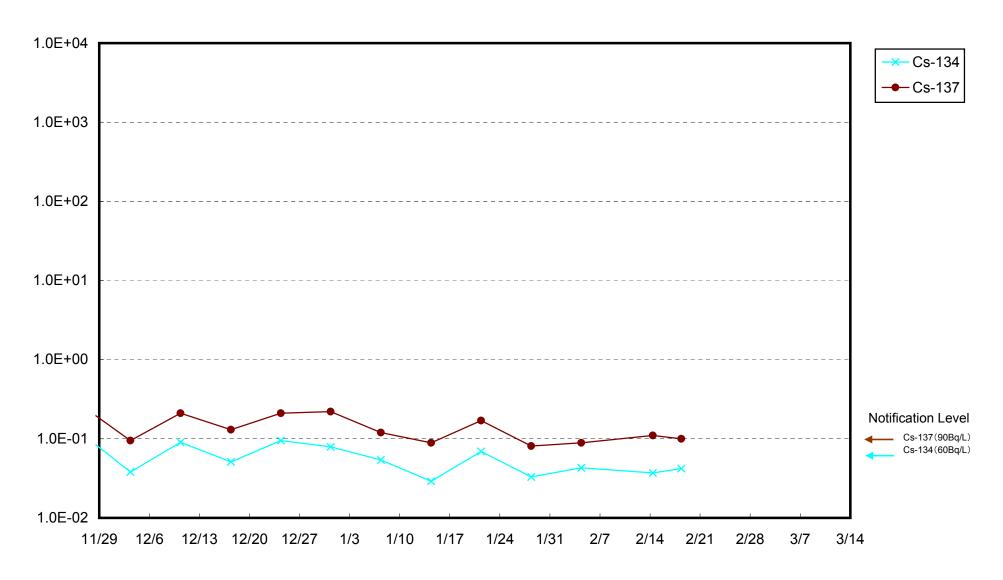
| Place of Sampling<br>(Place No.) | 5km O<br>Upper La               |                             | Kashima (T-M <i>A</i><br>Lower La | ,                           | Around 4km<br>Upper La          |                             | of Kumagawa<br>Lower La         | (T-S8)<br>ayer               | Upper La             | ayer                    | Lower La | ayer                        | ② Density Limit<br>Specified by the<br>Reactor Regulation<br>(Bq/L) |
|----------------------------------|---------------------------------|-----------------------------|-----------------------------------|-----------------------------|---------------------------------|-----------------------------|---------------------------------|------------------------------|----------------------|-------------------------|----------|-----------------------------|---|
| Time of Sampling                 | Feb 6, 20<br>5:41 A             |                             | Feb 6, 20<br>5:41 A               |                             | Feb 2, 20<br>6:46 Al            | -                           | Feb 2, 20<br>6:46 Al            |                              |                      | Opper Layer Lower Layer |          |                             | (The density limit in the water outside the surrounding monitored   |
| Detected Nuclides<br>(Half-life) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | ①Density of<br>Sample<br>(Bq/L)   | Scaling<br>Factor<br>(1)/2) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/2) | ①Density of<br>Sample<br>(Bq/L) | Scaling<br>Factor<br>(1)/(2) | Sample Factor Sample |                         | Sample   | Scaling<br>Factor<br>(1)/2) | areas is provided in section 6 of Appendix 2.)                      |
| Cs-134<br>(Approx. 2 years)      | 0.0015                          | 0.00                        | 0.0047                            | 0.00                        | 0.0087                          | 0.00                        | 0.0081                          | 0.00                         |                      |                         |          |                             | 60  |
| Cs-137<br>(Approx. 30 years)     | 0.0055                          | 0.00                        | 0.014                             | 0.00                        | 0.025                           | 0.00                        | 0.023                           | 0.00                         |                      |                         |          |                             | 90  |

<sup>\*</sup> The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

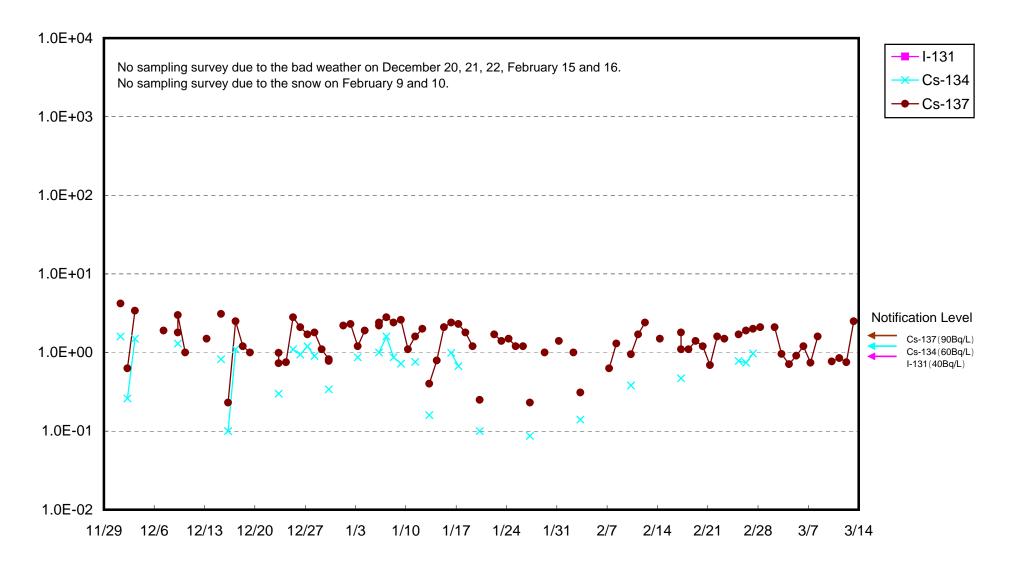
 $<sup>^{\</sup>star}$  In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

<sup>\*</sup> Analysis results by detail analysis (Phosphomolybdic acid ammonium adsorption sampling method) are noted.

<sup>\*</sup> Analyzed by: THE GENERAL ENVIRONMENTAL TECHNOS Co., LTD.



#### Radioactivity Density of the Seawater at 1F Units 5-6 North Discharge Channel (Bq/L)



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

