# 【Final】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

| Place of sampling | Southwest of Indutrial Waste Disposal Field | | West Gate of Fukushima Daiichi | | MP-1 of Fukushima Daini (Reference) | | ②Density limit by the announcement of Reactor Regulation（Bq/cm3）(Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) |
|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:30-9:50 July 2, 2011 | | 11:30-11:50 July 2, 2011 | | 9:04-9:14 July 2, 2011 | | |
| Detected nuclide (half-life) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | |
| I-131 (about 8 days) | 4.8E-06 | 0.00 | ND | － | ND | － | 1E-03 |
| Cs-134 (about 2 years) | 2.7E-05 | 0.01 | ND | － | 4.4E-06 | 0.00 | 2E-03 |
| Cs-137 (about 30years) | 2.3E-05 | 0.01 | ND | － | 5.9E-06 | 0.00 | 3E-03 |
| Nb-95 (about 35 days) | ND | － | ND | － | ND | － | 2E-02 |
| Tc-99m (about 6 hours) | ND | － | ND | － | ND | － | 7E-01 |
| Ag-110m (about 250 days) | ND | － | ND | － | ND | － | 3E-03 |
| Te-129 （about 70 minutes） | ND | － | ND | － | ND | － | 4E-01 |
| Te-129m (about 34 days) | ND | － | ND | － | ND | － | 4E-03 |
| I-132 （about 2 hours） | ND | － | ND | － | ND | － | 7E-02 |
| Te-132 （about 3 days） | ND | － | ND | － | ND | － | 4E-03 |
| I-133 （about 21 hours） | ND | － | ND | － | ND | － | 5E-03 |
| Cs-136 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| Ba-140 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| La-140 (about 40 hours) | ND | － | ND | － | ND | － | 1E-02 |

※ The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

※ ○.○E$^{-○}$ means ○.○ x 10$^{-○}$

※ In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

※ In this analysis, "ND" means that the results fall bellow detection limits.

# 【Final】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

| Place of sampling | Southwest of Indutrial Waste Disposal Field | | West Gate of Fukushima Daiichi | | MP-1 of Fukushima Daini (Reference) | | ②Density limit by the announcement of Reactor Regulation（Bq/cm3）(Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) |
|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:30-9:50 July 3, 2011 | | 11:30-11:50 July 3, 2011 | | 9:11-9:21 July 3, 2011 | | |
| Detected nuclide (half-life) | ① Radioactivity density（Bq/cm3) | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3) | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3) | Scaling factor (①/②) | |
| I-131 (about 8 days) | ND | － | ND | － | ND | － | 1E-03 |
| Cs-134 (about 2 years) | 1.8E-05 | 0.01 | ND | － | ND | － | 2E-03 |
| Cs-137 (about 30years) | 1.6E-05 | 0.01 | ND | － | ND | － | 3E-03 |
| Nb-95 (about 35 days) | ND | － | ND | － | ND | － | 2E-02 |
| Tc-99m (about 6 hours) | ND | － | ND | － | ND | － | 7E-01 |
| Ag-110m (about 250 days) | ND | － | ND | － | ND | － | 3E-03 |
| Te-129 （about 70 minutes） | ND | － | ND | － | ND | － | 4E-01 |
| Te-129m (about 34 days) | ND | － | ND | － | ND | － | 4E-03 |
| I-132 （about 2 hours） | ND | － | ND | － | ND | － | 7E-02 |
| Te-132 （about 3 days） | ND | － | ND | － | ND | － | 4E-03 |
| I-133 （about 21 hours） | ND | － | ND | － | ND | － | 5E-03 |
| Cs-136 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| Ba-140 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| La-140 (about 40 hours) | ND | － | ND | － | ND | － | 1E-02 |

※ The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

※ O.OE$^{-O}$ means O.O x 10$^{-O}$

※ In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

※ In this analysis, "ND" means that the results fall bellow detection limits.

# 【Final】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

| Place of sampling | Northeast of Playground of Fukushima Daiichi | | West Gate of Fukushima Daiichi | | MP-1 of Fukushima Daini (Reference) | | ②Density limit by the announcement of Reactor Regulation（Bq/cm3）(Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) |
|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:30-9:50 July 4, 2011 | | 11:30-11:50 July 4, 2011 | | 9:14-9:24 July 4, 2011 | | |
| Detected nuclide (half-life) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | |
| I-131 (about 8 days) | ND | － | ND | － | ND | － | 1E-03 |
| Cs-134 (about 2 years) | 6.5E-06 | 0.00 | ND | － | ND | － | 2E-03 |
| Cs-137 (about 30years) | ND | － | ND | － | ND | － | 3E-03 |
| Nb-95 (about 35 days) | ND | － | ND | － | ND | － | 2E-02 |
| Tc-99m (about 6 hours) | ND | － | ND | － | ND | － | 7E-01 |
| Ag-110m (about 250 days) | ND | － | ND | － | ND | － | 3E-03 |
| Te-129 （about 70 minutes） | ND | － | ND | － | ND | － | 4E-01 |
| Te-129m (about 34 days) | ND | － | ND | － | ND | － | 4E-03 |
| I-132 （about 2 hours） | ND | － | ND | － | ND | － | 7E-02 |
| Te-132 （about 3 days） | ND | － | ND | － | ND | － | 4E-03 |
| I-133 （about 21 hours） | ND | － | ND | － | ND | － | 5E-03 |
| Cs-136 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| Ba-140 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| La-140 (about 40 hours) | ND | － | ND | － | ND | － | 1E-02 |

※ The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

※ ○.○E$^{-○}$ means ○.○ x 10$^{-○}$

※ In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

※ In this analysis, "ND" means that the results fall bellow detection limits.

# 【Final】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

| Place of sampling | West Gate of Fukushima Daiichi | | West Gate of Fukushima Daiichi | | MP-1 of Fukushima Daini (Reference) | | ②Density limit by the announcement of Reactor Regulation（Bq/cm3）(Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) |
|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:30-9:50 July 5, 2011 | | 11:30-11:50 July 5, 2011 | | 9:06-9:15 July 5, 2011 | | |
| Detected nuclide (half-life) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | |
| I-131 (about 8 days) | ND | － | ND | － | ND | － | 1E-03 |
| Cs-134 (about 2 years) | ND | － | ND | － | ND | － | 2E-03 |
| Cs-137 (about 30years) | ND | － | ND | － | ND | － | 3E-03 |
| Nb-95 (about 35 days) | ND | － | ND | － | ND | － | 2E-02 |
| Tc-99m (about 6 hours) | ND | － | ND | － | ND | － | 7E-01 |
| Ag-110m (about 250 days) | ND | － | ND | － | ND | － | 3E-03 |
| Te-129 （about 70 minutes） | ND | － | ND | － | ND | － | 4E-01 |
| Te-129m (about 34 days) | ND | － | ND | － | ND | － | 4E-03 |
| I-132 （about 2 hours） | ND | － | ND | － | ND | － | 7E-02 |
| Te-132 （about 3 days） | ND | － | ND | － | ND | － | 4E-03 |
| I-133 （about 21 hours） | ND | － | ND | － | ND | － | 5E-03 |
| Cs-136 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| Ba-140 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| La-140 (about 40 hours) | ND | － | ND | － | ND | － | 1E-02 |

※ The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

※ ○.○E$^{-○}$ means ○.○ x 10$^{-○}$

※ In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

※ In this analysis, "ND" means that the results fall bellow detection limits.

# 【Final】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

| Place of sampling | Northwest of Playground of Fukushima Daiichi | | West Gate of Fukushima Daiichi | | MP-1 of Fukushima Daini (Reference) | | ②Density limit by the announcement of Reactor Regulation（Bq/cm3）(Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) |
|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:30-9:50 July 6, 2011 | | 11:30-11:50 July 6, 2011 | | 9:10-9:19 July 6, 2011 | | |
| Detected nuclide (half-life) | ① Radioactivity density（Bq/cm3) | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3) | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3) | Scaling factor (①/②) | |
| I-131 (about 8 days) | ND | － | ND | － | ND | － | 1E-03 |
| Cs-134 (about 2 years) | ND | － | ND | － | ND | － | 2E-03 |
| Cs-137 (about 30years) | ND | － | ND | － | ND | － | 3E-03 |
| Nb-95 (about 35 days) | ND | － | ND | － | ND | － | 2E-02 |
| Tc-99m (about 6 hours) | ND | － | ND | － | ND | － | 7E-01 |
| Ag-110m (about 250 days) | ND | － | ND | － | ND | － | 3E-03 |
| Te-129 （about 70 minutes） | ND | － | ND | － | ND | － | 4E-01 |
| Te-129m (about 34 days) | ND | － | ND | － | ND | － | 4E-03 |
| I-132 （about 2 hours） | ND | － | ND | － | ND | － | 7E-02 |
| Te-132 （about 3 days） | ND | － | ND | － | ND | － | 4E-03 |
| I-133 （about 21 hours） | ND | － | ND | － | ND | － | 5E-03 |
| Cs-136 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| Ba-140 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| La-140 (about 40 hours) | ND | － | ND | － | ND | － | 1E-02 |

※ The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

※ ○.○E$^{-○}$ means ○.○ x 10$^{-○}$

※ In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

※ In this analysis, "ND" means that the results fall bellow detection limits.

# 【Final】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

| Place of sampling | Northwest of Playground of Fukushima Daiichi | | West Gate of Fukushima Daiichi | | MP-1 of Fukushima Daini (Reference) | | ②Density limit by the announcement of Reactor Regulation（Bq/cm3）(Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) |
|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:30-9:50 July 7, 2011 | | 11:30-11:50 July 7, 2011 | | 9:43-9:52 July 7, 2011 | | |
| Detected nuclide (half-life) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | |
| I-131 (about 8 days) | ND | － | ND | － | ND | － | 1E-03 |
| Cs-134 (about 2 years) | 8.3E-06 | 0.00 | ND | － | ND | － | 2E-03 |
| Cs-137 (about 30years) | 1.4E-05 | 0.00 | ND | － | ND | － | 3E-03 |
| Nb-95 (about 35 days) | ND | － | ND | － | ND | － | 2E-02 |
| Tc-99m (about 6 hours) | ND | － | ND | － | ND | － | 7E-01 |
| Ag-110m (about 250 days) | ND | － | ND | － | ND | － | 3E-03 |
| Te-129 （about 70 minutes） | ND | － | ND | － | ND | － | 4E-01 |
| Te-129m (about 34 days) | ND | － | ND | － | ND | － | 4E-03 |
| I-132 （about 2 hours） | ND | － | ND | － | ND | － | 7E-02 |
| Te-132 （about 3 days） | ND | － | ND | － | ND | － | 4E-03 |
| I-133 （about 21 hours） | ND | － | ND | － | ND | － | 5E-03 |
| Cs-136 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| Ba-140 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| La-140 (about 40 hours) | ND | － | ND | － | ND | － | 1E-02 |

※ The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

※ ○.○E$^{-○}$ means ○.○ x 10$^{-○}$

※ In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

※ In this analysis, "ND" means that the results fall bellow detection limits.

# 【Final】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

| Place of sampling | South of Unit 5 of Fukushima Daiichi | | West Gate of Fukushima Daiichi | | MP-1 of Fukushima Daini (Reference) | | ②Density limit by the announcement of Reactor Regulation（Bq/cm3）(Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) |
|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:32-9:52 July 8, 2011 | | 11:30-11:50 July 8, 2011 | | 10:38-10:47 July 8, 2011 | | |
| Detected nuclide (half-life) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | |
| I-131 (about 8 days) | ND | － | ND | － | ND | － | 1E-03 |
| Cs-134 (about 2 years) | ND | － | ND | － | ND | － | 2E-03 |
| Cs-137 (about 30years) | ND | － | ND | － | ND | － | 3E-03 |
| Nb-95 (about 35 days) | ND | － | ND | － | ND | － | 2E-02 |
| Tc-99m (about 6 hours) | ND | － | ND | － | ND | － | 7E-01 |
| Ag-110m (about 250 days) | ND | － | ND | － | ND | － | 3E-03 |
| Te-129 （about 70 minutes） | ND | － | ND | － | ND | － | 4E-01 |
| Te-129m (about 34 days) | ND | － | ND | － | ND | － | 4E-03 |
| I-132 （about 2 hours） | ND | － | ND | － | ND | － | 7E-02 |
| Te-132 （about 3 days） | ND | － | ND | － | ND | － | 4E-03 |
| I-133 （about 21 hours） | ND | － | ND | － | ND | － | 5E-03 |
| Cs-136 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| Ba-140 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| La-140 (about 40 hours) | ND | － | ND | － | ND | － | 1E-02 |

※ The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

※ ○.○E$^{-○}$ means ○.○ x 10$^{-○}$

※ In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

※ In this analysis, "ND" means that the results fall bellow detection limits.

# 【Final】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

| Place of sampling | West Gate of Fukushima Daiichi | | West Gate of Fukushima Daiichi | | MP-1 of Fukushima Daini (Reference) | | ②Density limit by the announcement of Reactor Regulation（Bq/cm3）(Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) |
|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:30-9:50 July 9, 2011 | | 11:30-11:50 July 9, 2011 | | 10:07-10:16 July 9, 2011 | | |
| Detected nuclide (half-life) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | |
| I-131 (about 8 days) | ND | － | ND | － | ND | － | 1E-03 |
| Cs-134 (about 2 years) | ND | － | 8.3E-06 | 0.00 | ND | － | 2E-03 |
| Cs-137 (about 30years) | ND | － | 1.1E-05 | 0.00 | ND | － | 3E-03 |
| Nb-95 (about 35 days) | ND | － | ND | － | ND | － | 2E-02 |
| Tc-99m (about 6 hours) | ND | － | ND | － | ND | － | 7E-01 |
| Ag-110m (about 250 days) | ND | － | ND | － | ND | － | 3E-03 |
| Te-129 （about 70 minutes） | ND | － | ND | － | ND | － | 4E-01 |
| Te-129m (about 34 days) | ND | － | ND | － | ND | － | 4E-03 |
| I-132 （about 2 hours） | ND | － | ND | － | ND | － | 7E-02 |
| Te-132 （about 3 days） | ND | － | ND | － | ND | － | 4E-03 |
| I-133 （about 21 hours） | ND | － | ND | － | ND | － | 5E-03 |
| Cs-136 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| Ba-140 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| La-140 (about 40 hours) | ND | － | ND | － | ND | － | 1E-02 |

※ The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

※ ○.○E$^{-○}$ means ○.○ x 10$^{-○}$

※ In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

※ In this analysis, "ND" means that the results fall bellow detection limits.

# 【Final】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

| Place of sampling | West Gate of Fukushima Daiichi | | West Gate of Fukushima Daiichi | | MP-1 of Fukushima Daini (Reference) | | ②Density limit by the announcement of Reactor Regulation（Bq/cm3）(Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) |
|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:30-9:50 July 10, 2011 | | 11:30-11:50 July 10, 2011 | | 9:37-9:46 July 10, 2011 | | |
| Detected nuclide (half-life) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | |
| I-131 (about 8 days) | ND | － | ND | － | ND | － | 1E-03 |
| Cs-134 (about 2 years) | ND | － | 8.2E-06 | 0.00 | ND | － | 2E-03 |
| Cs-137 (about 30years) | ND | － | ND | － | ND | － | 3E-03 |
| Nb-95 (about 35 days) | ND | － | ND | － | ND | － | 2E-02 |
| Tc-99m (about 6 hours) | ND | － | ND | － | ND | － | 7E-01 |
| Ag-110m (about 250 days) | ND | － | ND | － | ND | － | 3E-03 |
| Te-129 （about 70 minutes） | ND | － | ND | － | ND | － | 4E-01 |
| Te-129m (about 34 days) | ND | － | ND | － | ND | － | 4E-03 |
| I-132 （about 2 hours） | ND | － | ND | － | ND | － | 7E-02 |
| Te-132 （about 3 days） | ND | － | ND | － | ND | － | 4E-03 |
| I-133 （about 21 hours） | ND | － | ND | － | ND | － | 5E-03 |
| Cs-136 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| Ba-140 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| La-140 (about 40 hours) | ND | － | ND | － | ND | － | 1E-02 |

※ The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

※ ○.○E$^{-○}$ means ○.○ x 10$^{-○}$

※ In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

※ In this analysis, "ND" means that the results fall bellow detection limits.

# 【Final】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

| Place of sampling | West Gate of Fukushima Daiichi | | West Gate of Fukushima Daiichi | | MP-1 of Fukushima Daini (Reference) | | ②Density limit by the announcement of Reactor Regulation（Bq/cm3）(Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) |
|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:30-9:50 July 11, 2011 | | 11:30-11:50 July 11, 2011 | | 9:43-9:52 July 11, 2011 | | |
| Detected nuclide (half-life) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | |
| I-131 (about 8 days) | ND | － | ND | － | ND | － | 1E-03 |
| Cs-134 (about 2 years) | 1.3E-05 | 0.01 | ND | － | ND | － | 2E-03 |
| Cs-137 (about 30years) | 1.2E-05 | 0.00 | 7.6E-06 | 0.00 | ND | － | 3E-03 |
| Nb-95 (about 35 days) | ND | － | ND | － | ND | － | 2E-02 |
| Tc-99m (about 6 hours) | ND | － | ND | － | ND | － | 7E-01 |
| Ag-110m (about 250 days) | ND | － | ND | － | ND | － | 3E-03 |
| Te-129 （about 70 minutes） | ND | － | ND | － | ND | － | 4E-01 |
| Te-129m (about 34 days) | ND | － | ND | － | ND | － | 4E-03 |
| I-132 （about 2 hours） | ND | － | ND | － | ND | － | 7E-02 |
| Te-132 （about 3 days） | ND | － | ND | － | ND | － | 4E-03 |
| I-133 （about 21 hours） | ND | － | ND | － | ND | － | 5E-03 |
| Cs-136 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| Ba-140 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| La-140 (about 40 hours) | ND | － | ND | － | ND | － | 1E-02 |

※ The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

※ ○.○E$^{-○}$ means ○.○ x 10$^{-○}$

※ In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

※ In this analysis, "ND" means that the results fall bellow detection limits.

# 【Final】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

| Place of sampling | West Gate of Fukushima Daiichi | | West Gate of Fukushima Daiichi | | MP-1 of Fukushima Daini (Reference) | | ②Density limit by the announcement of Reactor Regulation（Bq/cm3）(Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) |
|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:30-9:50 July 12, 2011 | | 11:30-11:50 July 12, 2011 | | 11:02-11:12 July 12, 2011 | | |
| Detected nuclide (half-life) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | |
| I-131 (about 8 days) | ND | － | ND | － | ND | － | 1E-03 |
| Cs-134 (about 2 years) | ND | － | ND | － | ND | － | 2E-03 |
| Cs-137 (about 30years) | ND | － | ND | － | ND | － | 3E-03 |
| Nb-95 (about 35 days) | ND | － | ND | － | ND | － | 2E-02 |
| Tc-99m (about 6 hours) | ND | － | ND | － | ND | － | 7E-01 |
| Ag-110m (about 250 days) | ND | － | ND | － | ND | － | 3E-03 |
| Te-129 （about 70 minutes） | ND | － | ND | － | ND | － | 4E-01 |
| Te-129m (about 34 days) | ND | － | ND | － | ND | － | 4E-03 |
| I-132 （about 2 hours） | ND | － | ND | － | ND | － | 7E-02 |
| Te-132 （about 3 days） | ND | － | ND | － | ND | － | 4E-03 |
| I-133 （about 21 hours） | ND | － | ND | － | ND | － | 5E-03 |
| Cs-136 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| Ba-140 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| La-140 (about 40 hours) | ND | － | ND | － | ND | － | 1E-02 |

※ The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

※ ○.○E$^{-○}$ means ○.○ x 10$^{-○}$

※ In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

※ In this analysis, "ND" means that the results fall bellow detection limits.

# 【Final】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

| Place of sampling | West Gate of Fukushima Daiichi | | MP-1 of Fukushima Daini (Reference) | | | | ②Density limit by the announcement of Reactor Regulation（Bq/cm3）(Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) |
|---|---|---|---|---|---|---|---|
| Date and time of sampling | 11:30-11:50 July 13, 2011 | | 9:59-10:09 July 13, 2011 | | | | |
| Detected nuclide (half-life) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | |
| I-131 (about 8 days) | ND | － | ND | － | | | 1E-03 |
| Cs-134 (about 2 years) | ND | － | ND | － | | | 2E-03 |
| Cs-137 (about 30years) | ND | － | ND | － | | | 3E-03 |
| Nb-95 (about 35 days) | ND | － | ND | － | | | 2E-02 |
| Tc-99m (about 6 hours) | ND | － | ND | － | | | 7E-01 |
| Ag-110m (about 250 days) | ND | － | ND | － | | | 3E-03 |
| Te-129 （about 70 minutes） | ND | － | ND | － | | | 4E-01 |
| Te-129m (about 34 days) | ND | － | ND | － | | | 4E-03 |
| I-132 （about 2 hours） | ND | － | ND | － | | | 7E-02 |
| Te-132 （about 3 days） | ND | － | ND | － | | | 4E-03 |
| I-133 （about 21 hours） | ND | － | ND | － | | | 5E-03 |
| Cs-136 (about 13 days) | ND | － | ND | － | | | 1E-02 |
| Ba-140 (about 13 days) | ND | － | ND | － | | | 1E-02 |
| La-140 (about 40 hours) | ND | － | ND | － | | | 1E-02 |

※ The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

※ O.OE$^{-O}$ means O.O x 10$^{-O}$

※ In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

※ In this analysis, "ND" means that the results fall bellow detection limits.

# 【Final】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

| Place of sampling | West Gate of Fukushima Daiichi | | MP-1 of Fukushima Daini (Reference) | | | | ②Density limit by the announcement of Reactor Regulation（Bq/cm3）(Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) |
|---|---|---|---|---|---|---|---|
| Date and time of sampling | 11:30-11:50 July 14, 2011 | | 11:21-11:31 July 14, 2011 | | | | |
| Detected nuclide (half-life) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3） | Scaling factor (①/②) | |
| I-131 (about 8 days) | ND | － | ND | － | | | 1E-03 |
| Cs-134 (about 2 years) | ND | － | ND | － | | | 2E-03 |
| Cs-137 (about 30years) | ND | － | ND | － | | | 3E-03 |
| Nb-95 (about 35 days) | ND | － | ND | － | | | 2E-02 |
| Tc-99m (about 6 hours) | ND | － | ND | － | | | 7E-01 |
| Ag-110m (about 250 days) | ND | － | ND | － | | | 3E-03 |
| Te-129 （about 70 minutes） | ND | － | ND | － | | | 4E-01 |
| Te-129m (about 34 days) | ND | － | ND | － | | | 4E-03 |
| I-132 （about 2 hours） | ND | － | ND | － | | | 7E-02 |
| Te-132 （about 3 days） | ND | － | ND | － | | | 4E-03 |
| I-133 （about 21 hours） | ND | － | ND | － | | | 5E-03 |
| Cs-136 (about 13 days) | ND | － | ND | － | | | 1E-02 |
| Ba-140 (about 13 days) | ND | － | ND | － | | | 1E-02 |
| La-140 (about 40 hours) | ND | － | ND | － | | | 1E-02 |

※ The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

※ O.OE$^{-O}$ means O.O x 10$^{-O}$

※ In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

※ In this analysis, "ND" means that the results fall bellow detection limits.

# 【Final】 Nuclide Analysis Results of Radioactive Materials in the Air at the Sites of Fukushima Nuclear Power Stations

| Place of sampling | West Gate of Fukushima Daiichi | | West Gate of Fukushima Daiichi | | MP-1 of Fukushima Daini (Reference) | | ②Density limit by the announcement of Reactor Regulation（Bq/cm3）(Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2) |
|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:30-9:50 July 15, 2011 | | 11:30-11:50 July 15, 2011 | | 9:55-10:05 July 15, 2011 | | |
| Detected nuclide (half-life) | ① Radioactivity density（Bq/cm3) | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3) | Scaling factor (①/②) | ① Radioactivity density（Bq/cm3) | Scaling factor (①/②) | |
| I-131 (about 8 days) | ND | － | ND | － | ND | － | 1E-03 |
| Cs-134 (about 2 years) | ND | － | ND | － | ND | － | 2E-03 |
| Cs-137 (about 30years) | ND | － | ND | － | ND | － | 3E-03 |
| Nb-95 (about 35 days) | ND | － | ND | － | ND | － | 2E-02 |
| Tc-99m (about 6 hours) | ND | － | ND | － | ND | － | 7E-01 |
| Ag-110m (about 250 days) | ND | － | ND | － | ND | － | 3E-03 |
| Te-129 （about 70 minutes） | ND | － | ND | － | ND | － | 4E-01 |
| Te-129m (about 34 days) | ND | － | ND | － | ND | － | 4E-03 |
| I-132 （about 2 hours） | ND | － | ND | － | ND | － | 7E-02 |
| Te-132 （about 3 days） | ND | － | ND | － | ND | － | 4E-03 |
| I-133 （about 21 hours） | ND | － | ND | － | ND | － | 5E-03 |
| Cs-136 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| Ba-140 (about 13 days) | ND | － | ND | － | ND | － | 1E-02 |
| La-140 (about 40 hours) | ND | － | ND | － | ND | － | 1E-02 |

※ The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

※ ○.○E$^{-○}$ means ○.○ x 10$^{-○}$

※ In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

※ In this analysis, "ND" means that the results fall bellow detection limits.

# 【Final】Nuclide Analysis Results of Seawater <Coast>

| 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 (appox. 330m south of 1-4u Discharge Channel)** | | **Around North Discharge Channel of 2F (Around 3,4u Discharge Channel) (approx. 10 km from 1F)** | | **Around Iwasawa Shore of 2F (appox. 7 km south of 1,2u Discharge Channel) (appox. 16 km from 1F)** | | **② 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)** |
|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 11:30 July 2, 2011 | | 11:10 July 2, 2011 | | 8:00 July 2, 2011 | | 7:40 July 2, 2011 | | |
| Detected nuclide (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) | |
| I-131 (about 8 days) | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | 40 | 0.67 | ND | - | 6.9 | 0.12 | ND | - | 60 |
| Cs-137 (about 30years) | 37 | 0.41 | 22 | 0.24 | 6.7 | 0.07 | 5.9 | 0.07 | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 8Bq/L., Cs-134: approx. 20Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Coast>

| 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 (appox. 330m south of 1-4u Discharge Channel)** | | **Around North Discharge Channel of 2F (Around 3,4u Discharge Channel) (approx. 10 km from 1F)** | | **Around Iwasawa Shore of 2F (appox. 7 km south of 1,2u Discharge Channel) (appox. 16 km from 1F)** | | **② 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)** |
|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 10:00 July 3, 2011 | | 9:40 July 3, 2011 | | 8:10 July 3, 2011 | | 7:45 July 3, 2011 | | |
| Detected nuclide (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) | |
| I-131 (about 8 days) | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | 4.7 | 0.08 | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | 7.4 | 0.08 | 5.2 | 0.06 | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 9Bq/L., Cs-134: approx. 23Bq/L, Cs-137: approx. 25Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Coast>

| 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 (appox. 330m south of 1-4u Discharge Channel)** | | **Around North Discharge Channel of 2F (Around 3,4u Discharge Channel) (approx. 10 km from 1F)** | | **Around Iwasawa Shore of 2F (appox. 7 km south of 1,2u Discharge Channel) (appox. 16 km from 1F)** | | **② 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)** |
|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:15 July 4, 2011 | | 8:50 July 4, 2011 | | 8:15 July 4, 2011 | | 7:50 July 4, 2011 | | |
| Detected nuclide (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) | |
| I-131 (about 8 days) | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | 5.5 | 0.09 | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 9Bq/L., Cs-134: approx. 23Bq/L, Cs-137: approx. 25Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 1/2>

| Place of sampling | North Iwaki Offshore 3km Upper Layer | | North Iwaki Offshore 3km Lower Layer | | Natsui-gawa Offshore 3km Upper Layer | | Natsui-gawa Offshore 3km Lower Layer | | Onahama Port Offshore 3km Upper Layer | | Onahama Port Offshore 3km Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 4:55 July 4, 2011 | | 4:55 July 4, 2011 | | 5:20 July 4, 2011 | | 5:20 July 4, 2011 | | Cancel July 4, 2011 | | Cancel July 4, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | | | | | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | | | | | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | | | | | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | | | | | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | | | | | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | | | | | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | | | | | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | | | | | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 2Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 5Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 2/2>

| Place of sampling | Ena Offshore 3km Upper Layer | | Ena Offshore 3km Lower Layer | | Numanouchi Offshore 3km Upper Layer | | Numanouchi Offshore 3km Lower Layer | | Toyoma Offshore 3km Upper Layer | | Toyoma Offshore 3km Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | Cancel July 4, 2011 | | Cancel July 4, 2011 | | 5:30 July 4, 2011 | | 5:30 July 4, 2011 | | 5:45 July 4, 2011 | | 5:45 July 4, 2011 | | |
| Detected nuclide (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 (about 8 days) | | | | | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | | | | | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | | | | | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | | | | | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | | | | | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | | | | | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | | | | | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | | | | | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | | | | | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | | | | | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | | | | | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | | | | | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 2Bq/L., Cs-134: approx. 6Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Coast>

| 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 (appox. 330m south of 1-4u Discharge Channel)** | | **Around North Discharge Channel of 2F (Around 3,4u Discharge Channel) (approx. 10 km from 1F)** | | **Around Iwasawa Shore of 2F (appox. 7 km south of 1,2u Discharge Channel) (appox. 16 km from 1F)** | | **② 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)** |
|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 11:35 July 5, 2011 | | 11:20 July 5, 2011 | | 8:25 July 5, 2011 | | 8:05 July 5, 2011 | | |
| Detected nuclide (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) | |
| I-131 (about 8 days) | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | 45 | 0.75 | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | 45 | 0.50 | ND | - | 5.1 | 0.06 | 4.2 | 0.05 | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 10Bq/L., Cs-134: approx. 20Bq/L, Cs-137: approx. 22Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 1/2>

| Place of sampling | North Iwaki Offshore 3km Upper Layer | | North Iwaki Offshore 3km Lower Layer | | Natsui-gawa Offshore 3km Upper Layer | | Natsui-gawa Offshore 3km Lower Layer | | Onahama Port Offshore 3km Upper Layer | | Onahama Port Offshore 3km Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | N/A | | N/A | | N/A | | N/A | | 8:15 July 5, 2011 | | 8:15 July 5, 2011 | | |
| Detected nuclide (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 (about 8 days) | | | | | | | | | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | | | | | | | | | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | | | | | | | | | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | | | | | | | | | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | | | | | | | | | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | | | | | | | | | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | | | | | | | | | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | | | | | | | | | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | | | | | | | | | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | | | | | | | | | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | | | | | | | | | ND | - | ND | - | 300 |
| La-140 (about 2 days) | | | | | | | | | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 5Bq/L, Cs-137: approx. 5Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 2/2>

| Place of sampling | Ena Offshore 3km Upper Layer | | Ena Offshore 3km Lower Layer | | Numanouchi Offshore 3km Upper Layer | | Numanouchi Offshore 3km Lower Layer | | Toyoma Offshore 3km Upper Layer | | Toyoma Offshore 3km Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 7:55 July 5, 2011 | | 7:55 July 5, 2011 | | N/A | | N/A | | N/A | | N/A | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | | | | | | | | | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | | | | | | | | | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | | | | | | | | | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | | | | | | | | | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | | | | | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | | | | | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | | | | | | | | | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | | | | | | | | | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | | | | | | | | | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | | | | | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | | | | | | | | | 300 |
| La-140 (about 2 days) | ND | - | ND | - | | | | | | | | | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Coast>

| 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 (appox. 330m south of 1-4u Discharge Channel)** | | **Around North Discharge Channel of 2F (Around 3,4u Discharge Channel) (approx. 10 km from 1F)** | | **Around Iwasawa Shore of 2F (appox. 7 km south of 1,2u Discharge Channel) (appox. 16 km from 1F)** | | **② 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)** |
|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:15 July 6, 2011 | | 8:55 July 6, 2011 | | 8:20 July 6, 2011 | | 7:55 July 6, 2011 | | |
| Detected nuclide (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) | |
| I-131 (about 8 days) | **ND** | - | **ND** | - | **ND** | - | **ND** | - | 40 |
| Cs-134 (about 2 years) | **ND** | - | **ND** | - | 5.4 | 0.09 | **ND** | - | 60 |
| Cs-137 (about 30years) | **ND** | - | **ND** | - | **ND** | - | **ND** | - | 90 |
| Mo-99 (about 66 hours) | **ND** | - | **ND** | - | **ND** | - | **ND** | - | 40,000 |
| Tc-99m (about 6 hours) | **ND** | - | **ND** | - | **ND** | - | **ND** | - | 40,000 |
| Te-129m (about 34 days) | **ND** | - | **ND** | - | **ND** | - | **ND** | - | 300 |
| Te-129 (about 70 minutes) | **ND** | - | **ND** | - | **ND** | - | **ND** | - | 10,000 |
| Te-132 (about 3 days) | **ND** | - | **ND** | - | **ND** | - | **ND** | - | 200 |
| I-132 (about 2 hours) | **ND** | - | **ND** | - | **ND** | - | **ND** | - | 3,000 |
| Cs-136 (about 13 days) | **ND** | - | **ND** | - | **ND** | - | **ND** | - | 300 |
| Ba-140 (about 13 days) | **ND** | - | **ND** | - | **ND** | - | **ND** | - | 300 |
| La-140 (about 2 days) | **ND** | - | **ND** | - | **ND** | - | **ND** | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 9Bq/L., Cs-134: approx. 23Bq/L, Cs-137: approx. 25Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 1/4>

| Place of sampling | 15 km offshore of MinamiSouma City Upper Layer | | 15 km offshore of MinamiSouma City Lower Layer | | 15 km offshore of Ukedo-gawa Upper Layer | | 15 km offshore of Ukedo-gawa Lower Layer | | 15 km offshore of Fukushima Daiichi Upper Layer | | 15 km offshore of Fukushima Daiichi Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:00 July 6, 2011 | | 9:00 July 6, 2011 | | 8:30 July 6, 2011 | | 8:30 July 6, 2011 | | 8:35 July 6, 2011 | | 8:35 July 6, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 2/4>

| Place of sampling | 15 km offshore of Fukushima Daini Upper Layer | | 15 km offshore of Fukushima Daini Lower Layer | | 15 km offshore of Iwasawa Shore Upper Layer | | 15 km offshore of Iwasawa Shore Lower Layer | | 15 km offshore of Hirono-machi Upper Layer | | 15 km offshore of Hirono-machi Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 8:00 July 6, 2011 | | 8:00 July 6, 2011 | | 7:30 July 6, 2011 | | 7:30 July 6, 2011 | | 7:00 July 6, 2011 | | 7:00 July 6, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 5Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 3/4>

| Place of sampling | 30 km offshore of Minami Souma City Upper Layer | | 30 km offshore of Minami Souma City Middle Layer | | 30 km offshore of Minami Souma City Lower Layer | | 30 km offshore of Ukedo-gawa Upper Layer | | 30 km offshore of Ukedo-gawa Middle Layer | | 30 km offshore of Ukedo-gawa Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 7:35 July 6, 2011 | | 7:35 July 6, 2011 | | 7:35 July 6, 2011 | | 6:35 July 6, 2011 | | 6:35 July 6, 2011 | | 6:35 July 6, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 5Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 4/4>

| Place of sampling | 5 km offshore of Souma City Upper Layer | | 5 km offshore of Souma City Lower Layer | | 5 km offshore of Kashima Upper Layer | | 5 km offshore of Kashima Lower Layer | | 3 km offshore of Souma City Upper Layer | | 3 km offshore of Souma City Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 5:35 July 6, 2011 | | 5:35 July 6, 2011 | | 6:00 July 6, 2011 | | 6:00 July 6, 2011 | | 5:20 July 6, 2011 | | 5:20 July 6, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 5Bq/L, Cs-137: approx. 5Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Coast>

| 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 (appox. 330m south of 1-4u Discharge Channel)** | | **Around North Discharge Channel of 2F (Around 3,4u Discharge Channel) (approx. 10 km from 1F)** | | **Around Iwasawa Shore of 2F (appox. 7 km south of 1,2u Discharge Channel) (appox. 16 km from 1F)** | | **② 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)** |
|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 10:15 July 7, 2011 | | 9:55 July 7, 2011 | | 8:25 July 7, 2011 | | 7:50 July 7, 2011 | | |
| Detected nuclide (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) | |
| I-131 (about 8 days) | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | 4.3 | 0.05 | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 9Bq/L., Cs-134: approx. 23Bq/L, Cs-137: approx. 25Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 1/6>

| Place of sampling | 15 km offshore of MinamiSouma City Upper Layer | | 15 km offshore of MinamiSouma City Lower Layer | | 15 km offshore of Ukedo-gawa Upper Layer | | 15 km offshore of Ukedo-gawa Lower Layer | | 15 km offshore of Fukushima Daiichi Upper Layer | | 15 km offshore of Fukushima Daiichi Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 8:15 July 7, 2011 | | 8:15 July 7, 2011 | | N/A | | N/A | | N/A | | N/A | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | | | | | | | | | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | | | | | | | | | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | | | | | | | | | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | | | | | | | | | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | | | | | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | | | | | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | | | | | | | | | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | | | | | | | | | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | | | | | | | | | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | | | | | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | | | | | | | | | 300 |
| La-140 (about 2 days) | ND | - | ND | - | | | | | | | | | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 2Bq/L., Cs-134: approx. 5Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 2/6>

| Place of sampling | 15 km offshore of Fukushima Daini Upper Layer | | 15 km offshore of Fukushima Daini Lower Layer | | 15 km offshore of Iwasawa Shore Upper Layer | | 15 km offshore of Iwasawa Shore Lower Layer | | 15 km offshore of Hirono-machi Upper Layer | | 15 km offshore of Hirono-machi Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | N/A | | N/A | | 8:05 July 7, 2011 | | 8:05 July 7, 2011 | | 8:35 July 7, 2011 | | 8:35 July 7, 2011 | | |
| Detected nuclide (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 (about 8 days) | | | | | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | | | | | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | | | | | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | | | | | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | | | | | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | | | | | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | | | | | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | | | | | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | | | | | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | | | | | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | | | | | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | | | | | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 6Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 3/6>

| Place of sampling | 3 km offshore of Haramachi District Upper Layer | | 3 km offshore of Haramachi District Lower Layer | | 3 km offshore of Odaka District Upper Layer | | 3 km offshore of Odaka District Lower Layer | | 3 km offshore of Iwasawa Coast Upper Layer | | 3 km offshore of Iwasawa Coast Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 8:50 July 7, 2011 | | 8:50 July 7, 2011 | | 9:10 July 7, 2011 | | 9:10 July 7, 2011 | | 7:10 July 7, 2011 | | 7:10 July 7, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 5Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 4/6>

| Place of sampling | 8 km offshore of Odaka District Upper Layer | | 8 km offshore of Odaka District Lower Layer | | 8 km offshore of Iwasawa Coast Upper Layer | | 8 km offshore of Iwasawa Coast Lower Layer | | | | | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:25 July 7, 2011 | | 9:25 July 7, 2011 | | 7:35 July 7, 2011 | | 7:35 July 7, 2011 | | | | | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | | | | | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | | | | | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | | | | | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | | | | | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | | | | | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | | | | | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | | | | | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | | | | | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 2Bq/L., Cs-134: approx. 5Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 5/6>

| Place of sampling | North Iwaki Offshore 3km Upper Layer | | North Iwaki Offshore 3km Lower Layer | | Natsui-gawa Offshore 3km Upper Layer | | Natsui-gawa Offshore 3km Lower Layer | | Onahama Port Offshore 3km Upper Layer | | Onahama Port Offshore 3km Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 6:05 July 7, 2011 | | 6:05 July 7, 2011 | | 5:45 July 7, 2011 | | 5:45 July 7, 2011 | | 5:35 July 7, 2011 | | 5:35 July 7, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 5Bq/L, Cs-137: approx. 5Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 6/6>

| Place of sampling | Ena Offshore 3km Upper Layer | | Ena Offshore 3km Lower Layer | | Numanouchi Offshore 3km Upper Layer | | Numanouchi Offshore 3km Lower Layer | | Toyoma Offshore 3km Upper Layer | | Toyoma Offshore 3km Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 5:50 July 7, 2011 | | 5:50 July 7, 2011 | | 5:25 July 7, 2011 | | 5:25 July 7, 2011 | | 5:15 July 7, 2011 | | 5:15 July 7, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 5Bq/L, Cs-137: approx. 5Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Coast>

| 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 (appox. 330m south of 1-4u Discharge Channel)** | | **Around North Discharge Channel of 2F (Around 3,4u Discharge Channel) (approx. 10 km from 1F)** | | **Around Iwasawa Shore of 2F (appox. 7 km south of 1,2u Discharge Channel) (appox. 16 km from 1F)** | | **② 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)** |
|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 10:30 July 8, 2011 | | 10:05 July 8, 2011 | | 8:15 July 8, 2011 | | 7:45 July 8, 2011 | | |
| Detected nuclide (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) | |
| I-131 (about 8 days) | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | 5.7 | 0.10 | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | 4.9 | 0.05 | 5.1 | 0.06 | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 9Bq/L., Cs-134: approx. 23Bq/L, Cs-137: approx. 25Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 1/3>

| Place of sampling | 15 km offshore of MinamiSouma City Upper Layer | | 15 km offshore of MinamiSouma City Lower Layer | | 15 km offshore of Ukedo-gawa Upper Layer | | 15 km offshore of Ukedo-gawa Lower Layer | | 15 km offshore of Fukushima Daiichi Upper Layer | | 15 km offshore of Fukushima Daiichi Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | N/A | | N/A | | 8:00 July 8, 2011 | | 8:00 July 8, 2011 | | 7:35 July 8, 2011 | | 7:35 July 8, 2011 | | |
| Detected nuclide (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 (about 8 days) | | | | | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | | | | | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | | | | | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | | | | | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | | | | | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | | | | | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | | | | | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | | | | | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | | | | | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | | | | | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | | | | | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | | | | | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 2Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 2/3>

| Place of sampling | 15 km offshore of Fukushima Daini Upper Layer | | 15 km offshore of Fukushima Daini Lower Layer | | 15 km offshore of Iwasawa Shore Upper Layer | | 15 km offshore of Iwasawa Shore Lower Layer | | 15 km offshore of Hirono-machi Upper Layer | | 15 km offshore of Hirono-machi Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 7:15 July 8, 2011 | | 7:15 July 8, 2011 | | N/A | | N/A | | N/A | | N/A | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | | | | | | | | | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | | | | | | | | | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | | | | | | | | | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | | | | | | | | | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | | | | | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | | | | | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | | | | | | | | | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | | | | | | | | | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | | | | | | | | | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | | | | | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | | | | | | | | | 300 |
| La-140 (about 2 days) | ND | - | ND | - | | | | | | | | | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 3/3>

| Place of sampling | 5 km offshore of Numanouchi Upper Layer | | 5 km offshore of Numanouchi Lower Layer | | 15 km offshore of Numanouchi Upper Layer | | 15 km offshore of Numanouchi Middle Layer | | 15 km offshore of Numanouchi Lower Layer | | 30 km offshore of Numanouchi Upper Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 6:05 July 8, 2011 | | 6:05 July 8, 2011 | | 6:40 July 8, 2011 | | 6:40 July 8, 2011 | | 6:40 July 8, 2011 | | Cancel July 8, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | | | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | | | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | | | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | | | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | | | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | | | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | | | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | | | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | | | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | | | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | | | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | | | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 2Bq/L., Cs-134: approx. 5Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Coast>

| 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 (appox. 330m south of 1-4u Discharge Channel)** | | **Around North Discharge Channel of 2F (Around 3,4u Discharge Channel) (approx. 10 km from 1F)** | | **Around Iwasawa Shore of 2F (appox. 7 km south of 1,2u Discharge Channel) (appox. 16 km from 1F)** | | **② 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)** |
|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 11:35 July 9, 2011 | | 11:15 July 9, 2011 | | 8:05 July 9, 2011 | | 7:45 July 9, 2011 | | |
| Detected nuclide (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) | |
| I-131 (about 8 days) | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | 5.1 | 0.06 | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 9Bq/L., Cs-134: approx. 23Bq/L, Cs-137: approx. 25Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 1/4>

| Place of sampling | 3 km offshore of Haramachi District Upper Layer | | 3 km offshore of Haramachi District Lower Layer | | 3 km offshore of Odaka District Upper Layer | | 3 km offshore of Odaka District Lower Layer | | 3 km offshore of Iwasawa Coast Upper Layer | | 3 km offshore of Iwasawa Coast Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 7:25 July 9, 2011 | | 7:25 July 9, 2011 | | 8:15 July 9, 2011 | | 8:15 July 9, 2011 | | 9:10 July 9, 2011 | | 9:10 July 9, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 5Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 2/4>

| Place of sampling | 8 km offshore of Odaka District Upper Layer | | 8 km offshore of Odaka District Lower Layer | | 8 km offshore of Iwasawa Coast Upper Layer | | 8 km offshore of Iwasawa Coast Lower Layer | | | | | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 7:50 July 9, 2011 | | 7:50 July 9, 2011 | | 8:55 July 9, 2011 | | 8:55 July 9, 2011 | | | | | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | | | | | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | | | | | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | | | | | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | | | | | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | | | | | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | | | | | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | | | | | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | | | | | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 3/4>

| Place of sampling | 5 km offshore of Numanouchi Upper Layer | | 5 km offshore of Numanouchi Lower Layer | | 15 km offshore of Numanouchi Upper Layer | | 15 km offshore of Numanouchi Middle Layer | | 15 km offshore of Numanouchi Lower Layer | | 30 km offshore of Numanouchi Upper Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | N/A | | N/A | | N/A | | N/A | | N/A | | 7:25 July 9, 2011 | | |
| Detected nuclide (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 (about 8 days) | | | | | | | | | | | ND | - | 40 |
| Cs-134 (about 2 years) | | | | | | | | | | | ND | - | 60 |
| Cs-137 (about 30years) | | | | | | | | | | | ND | - | 90 |
| Mo-99 (about 66 hours) | | | | | | | | | | | ND | - | 40,000 |
| Tc-99m (about 6 hours) | | | | | | | | | | | ND | - | 40,000 |
| Te-129m (about 34 days) | | | | | | | | | | | ND | - | 300 |
| Te-129 (about 70 minutes) | | | | | | | | | | | ND | - | 10,000 |
| Te-132 (about 3 days) | | | | | | | | | | | ND | - | 200 |
| I-132 (about 2 hours) | | | | | | | | | | | ND | - | 3,000 |
| Cs-136 (about 13 days) | | | | | | | | | | | ND | - | 300 |
| Ba-140 (about 13 days) | | | | | | | | | | | ND | - | 300 |
| La-140 (about 2 days) | | | | | | | | | | | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 4/4>

| Place of sampling | 30 km offshore of Numanouchi Middle Layer | | 30 km offshore of Numanouchi Lower Layer | | | | | | | | | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 7:25 July 9, 2011 | | 7:25 July 9, 2011 | | | | | | | | | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | | | | | | | | | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | | | | | | | | | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | | | | | | | | | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | | | | | | | | | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | | | | | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | | | | | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | | | | | | | | | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | | | | | | | | | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | | | | | | | | | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | | | | | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | | | | | | | | | 300 |
| La-140 (about 2 days) | ND | - | ND | - | | | | | | | | | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 2Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Coast>

| 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 (appox. 330m south of 1-4u Discharge Channel)** | | **Around North Discharge Channel of 2F (Around 3,4u Discharge Channel) (approx. 10 km from 1F)** | | **Around Iwasawa Shore of 2F (appox. 7 km south of 1,2u Discharge Channel) (appox. 16 km from 1F)** | | **② 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)** |
|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 12:35 July 10, 2011 | | 12:15 July 10, 2011 | | 8:10 July 10, 2011 | | 7:45 July 10, 2011 | | |
| Detected nuclide (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) | |
| I-131 (about 8 days) | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | 31 | 0.52 | ND | - | 5.4 | 0.09 | ND | - | 60 |
| Cs-137 (about 30years) | 36 | 0.40 | ND | - | ND | - | 5.6 | 0.06 | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 11Bq/L., Cs-134: approx. 20Bq/L, Cs-137: approx. 22Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 1/2>

| Place of sampling | 15 km offshore of MinamiSouma City Upper Layer | | 15 km offshore of MinamiSouma City Lower Layer | | 15 km offshore of Ukedo-gawa Upper Layer | | 15 km offshore of Ukedo-gawa Lower Layer | | 15 km offshore of Fukushima Daiichi Upper Layer | | 15 km offshore of Fukushima Daiichi Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | N/A | | N/A | | 7:55 July 10, 2011 | | 7:55 July 10, 2011 | | 7:25 July 10, 2011 | | 7:25 July 10, 2011 | | |
| Detected nuclide (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 (about 8 days) | | | | | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | | | | | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | | | | | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | | | | | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | | | | | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | | | | | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | | | | | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | | | | | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | | | | | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | | | | | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | | | | | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | | | | | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 2/2>

| Place of sampling | 15 km offshore of Fukushima Daini Upper Layer | | 15 km offshore of Fukushima Daini Lower Layer | | 15 km offshore of Iwasawa Shore Upper Layer | | 15 km offshore of Iwasawa Shore Lower Layer | | 15 km offshore of Hirono-machi Upper Layer | | 15 km offshore of Hirono-machi Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 6:55 July 10, 2011 | | 6:55 July 10, 2011 | | N/A | | N/A | | N/A | | N/A | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | | | | | | | | | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | | | | | | | | | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | | | | | | | | | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | | | | | | | | | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | | | | | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | | | | | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | | | | | | | | | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | | | | | | | | | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | | | | | | | | | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | | | | | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | | | | | | | | | 300 |
| La-140 (about 2 days) | ND | - | ND | - | | | | | | | | | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 2Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 5Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Coast>

| 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 (appox. 330m south of 1-4u Discharge Channel)** | | **Around North Discharge Channel of 2F (Around 3,4u Discharge Channel) (approx. 10 km from 1F)** | | **Around Iwasawa Shore of 2F (appox. 7 km south of 1,2u Discharge Channel) (appox. 16 km from 1F)** | | **② 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)** |
|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 10:50 July 11, 2011 | | 10:25 July 11, 2011 | | 8:25 July 11, 2011 | | 7:55 July 11, 2011 | | |
| Detected nuclide (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) | |
| I-131 (about 8 days) | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | 30 | 0.50 | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | 40 | 0.44 | ND | - | 5.3 | 0.06 | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 10Bq/L., Cs-134: approx. 19Bq/L, Cs-137: approx. 21Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 1/6>

| Place of sampling | 15 km offshore of MinamiSouma City Upper Layer | | 15 km offshore of MinamiSouma City Lower Layer | | 15 km offshore of Ukedo-gawa Upper Layer | | 15 km offshore of Ukedo-gawa Lower Layer | | 15 km offshore of Fukushima Daiichi Upper Layer | | 15 km offshore of Fukushima Daiichi Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:05 July 11, 2011 | | 9:05 July 11, 2011 | | N/A | | N/A | | N/A | | N/A | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | | | | | | | | | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | | | | | | | | | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | | | | | | | | | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | | | | | | | | | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | | | | | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | | | | | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | | | | | | | | | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | | | | | | | | | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | | | | | | | | | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | | | | | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | | | | | | | | | 300 |
| La-140 (about 2 days) | ND | - | ND | - | | | | | | | | | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 2/6>

| Place of sampling | 15 km offshore of Fukushima Daini Upper Layer | | 15 km offshore of Fukushima Daini Lower Layer | | 15 km offshore of Iwasawa Shore Upper Layer | | 15 km offshore of Iwasawa Shore Lower Layer | | 15 km offshore of Hirono-machi Upper Layer | | 15 km offshore of Hirono-machi Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | N/A | | N/A | | 7:50 July 11, 2011 | | 7:50 July 11, 2011 | | 8:25 July 11, 2011 | | 8:25 July 11, 2011 | | |
| Detected nuclide (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 (about 8 days) | | | | | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | | | | | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | | | | | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | | | | | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | | | | | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | | | | | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | | | | | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | | | | | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | | | | | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | | | | | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | | | | | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | | | | | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 5Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 3/6>

| Place of sampling | 3 km offshore of Haramachi District Upper Layer | | 3 km offshore of Haramachi District Lower Layer | | 3 km offshore of Odaka District Upper Layer | | 3 km offshore of Odaka District Lower Layer | | 3 km offshore of Iwasawa Coast Upper Layer | | 3 km offshore of Iwasawa Coast Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 8:35 July 11, 2011 | | 8:35 July 11, 2011 | | 8:10 July 11, 2011 | | 8:10 July 11, 2011 | | 7:00 July 11, 2011 | | 7:00 July 11, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | 3.7 | 0.04 | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 4/6>

| Place of sampling | 8 km offshore of Odaka District Upper Layer | | 8 km offshore of Odaka District Lower Layer | | 8 km offshore of Iwasawa Coast Upper Layer | | 8 km offshore of Iwasawa Coast Lower Layer | | | | | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:25 July 11, 2011 | | 9:25 July 11, 2011 | | 7:20 July 11, 2011 | | 7:20 July 11, 2011 | | | | | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | | | | | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | | | | | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | | | | | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | | | | | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | | | | | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | | | | | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | | | | | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | | | | | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 2Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 5/6>

| Place of sampling | North Iwaki Offshore 3km Upper Layer | | North Iwaki Offshore 3km Lower Layer | | Natsui-gawa Offshore 3km Upper Layer | | Natsui-gawa Offshore 3km Lower Layer | | Onahama Port Offshore 3km Upper Layer | | Onahama Port Offshore 3km Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 6:10 July 11, 2011 | | 6:10 July 11, 2011 | | 5:50 July 11, 2011 | | 5:50 July 11, 2011 | | 5:30 July 11, 2011 | | 5:30 July 11, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 5Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 6/6>

| Place of sampling | Ena Offshore 3km Upper Layer | | Ena Offshore 3km Lower Layer | | Numanouchi Offshore 3km Upper Layer | | Numanouchi Offshore 3km Lower Layer | | Toyoma Offshore 3km Upper Layer | | Toyoma Offshore 3km Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 5:50 July 11, 2011 | | 5:50 July 11, 2011 | | 5:40 July 11, 2011 | | 5:40 July 11, 2011 | | 5:20 July 11, 2011 | | 5:20 July 11, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 6Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Coast>

| 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 (appox. 330m south of 1-4u Discharge Channel) | | | | Around North Discharge Channel of 2F (Around 3,4u Discharge Channel) (approx. 10 km from 1F) | | Around Iwasawa Shore of 2F (appox. 7 km south of 1,2u Discharge Channel) (appox. 16 km from 1F) | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 11:50 July 12, 2011 | | 11:30 July 12, 2011 | | N/A | | 8:10 July 12, 2011 | | 7:40 July 12, 2011 | | |
| Detected nuclide (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) | |
| I-131 (about 8 days) | ND | - | ND | - | | | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | 54 | 0.90 | ND | - | | | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | 44 | 0.49 | ND | - | | | 5.6 | 0.06 | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | | | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | | | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | | | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | | | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | | | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | | | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | | | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | | | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | | | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 9Bq/L., Cs-134: approx. 23Bq/L, Cs-137: approx. 25Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 1/2>

| Place of sampling | 30 km offshore of Minami Souma City Upper Layer | | 30 km offshore of Minami Souma City Middle Layer | | 30 km offshore of Minami Souma City Lower Layer | | 30 km offshore of Ukedo-gawa Upper Layer | | 30 km offshore of Ukedo-gawa Middle Layer | | 30 km offshore of Ukedo-gawa Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 7:30 July 12, 2011 | | 7:30 July 12, 2011 | | 7:30 July 12, 2011 | | 6:40 July 12, 2011 | | 6:40 July 12, 2011 | | 6:40 July 12, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 5Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 2/2>

| Place of sampling | 5 km offshore of Souma City Upper Layer | | 5 km offshore of Souma City Lower Layer | | 5 km offshore of Kashima Upper Layer | | 5 km offshore of Kashima Lower Layer | | 3 km offshore of Souma City Upper Layer | | 3 km offshore of Souma City Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 5:50 July 12, 2011 | | 5:50 July 12, 2011 | | 5:35 July 12, 2011 | | 5:35 July 12, 2011 | | 6:05 July 12, 2011 | | 6:05 July 12, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 5Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Coast>

| 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 (appox. 330m south of 1-4u Discharge Channel) | | | | Around North Discharge Channel of 2F (Around 3,4u Discharge Channel) (approx. 10 km from 1F) | | Around Iwasawa Shore of 2F (appox. 7 km south of 1,2u Discharge Channel) (appox. 16 km from 1F) | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 11:50 July 13, 2011 | | 11:30 July 13, 2011 | | N/A | | 8:25 July 13, 2011 | | 7:55 July 13, 2011 | | |
| Detected nuclide (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) | |
| I-131 (about 8 days) | ND | - | ND | - | | | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | | | 5.0 | 0.08 | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | | | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | | | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | | | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | | | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | | | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | | | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | | | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | | | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | | | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | | | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 9Bq/L., Cs-134: approx. 23Bq/L, Cs-137: approx. 25Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 1/2>

| Place of sampling | 3 km offshore of Haramachi District Upper Layer | | 3 km offshore of Haramachi District Lower Layer | | 3 km offshore of Odaka District Upper Layer | | 3 km offshore of Odaka District Lower Layer | | 3 km offshore of Iwasawa Coast Upper Layer | | 3 km offshore of Iwasawa Coast Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:00 July 13, 2011 | | 9:00 July 13, 2011 | | 8:45 July 13, 2011 | | 8:45 July 13, 2011 | | 6:40 July 13, 2011 | | 6:40 July 13, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 5Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 2/2>

| Place of sampling | 8 km offshore of Odaka District Upper Layer | | 8 km offshore of Odaka District Lower Layer | | 8 km offshore of Iwasawa Coast Upper Layer | | 8 km offshore of Iwasawa Coast Lower Layer | | | | | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 8:20 July 13, 2011 | | 8:20 July 13, 2011 | | 7:00 July 13, 2011 | | 7:00 July 13, 2011 | | | | | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | | | | | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | | | | | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | | | | | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | | | | | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | | | | | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | | | | | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | | | | | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | | | | | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Coast>

| 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 (appox. 330m south of 1-4u Discharge Channel) | | | | Around North Discharge Channel of 2F (Around 3,4u Discharge Channel) (approx. 10 km from 1F) | | Around Iwasawa Shore of 2F (appox. 7 km south of 1,2u Discharge Channel) (appox. 16 km from 1F) | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 10:40 July 14, 2011 | | 10:10 July 14, 2011 | | N/A | | 8:25 July 14, 2011 | | 7:55 July 14, 2011 | | |
| Detected nuclide (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) | |
| I-131 (about 8 days) | ND | - | ND | - | | | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | 50 | 0.83 | ND | - | | | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | 74 | 0.82 | ND | - | | | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | | | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | | | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | | | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | | | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | | | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | | | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | | | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | | | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | | | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 9Bq/L., Cs-134: approx. 23Bq/L, Cs-137: approx. 25Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 1/4>

| Place of sampling | 15 km offshore of MinamiSouma City Upper Layer | | 15 km offshore of MinamiSouma City Lower Layer | | 15 km offshore of Ukedo-gawa Upper Layer | | 15 km offshore of Ukedo-gawa Lower Layer | | 15 km offshore of Fukushima Daiichi Upper Layer | | 15 km offshore of Fukushima Daiichi Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:20 July 14, 2011 | | 9:20 July 14, 2011 | | 8:55 July 14, 2011 | | 8:55 July 14, 2011 | | 8:20 July 14, 2011 | | 8:20 July 14, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 2/4>

| Place of sampling | 15 km offshore of Fukushima Daini Upper Layer | | 15 km offshore of Fukushima Daini Lower Layer | | 15 km offshore of Iwasawa Shore Upper Layer | | 15 km offshore of Iwasawa Shore Lower Layer | | 15 km offshore of Hirono-machi Upper Layer | | 15 km offshore of Hirono-machi Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 7:50 July 14, 2011 | | 7:50 July 14, 2011 | | 7:10 July 14, 2011 | | 7:10 July 14, 2011 | | 6:45 July 14, 2011 | | 6:45 July 14, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 5Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 3/4>

| Place of sampling | North Iwaki Offshore 3km Upper Layer | | North Iwaki Offshore 3km Lower Layer | | Natsui-gawa Offshore 3km Upper Layer | | Natsui-gawa Offshore 3km Lower Layer | | Onahama Port Offshore 3km Upper Layer | | Onahama Port Offshore 3km Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 4:45 July 14, 2011 | | 4:45 July 14, 2011 | | 5:15 July 14, 2011 | | 5:15 July 14, 2011 | | 5:25 July 14, 2011 | | 5:25 July 14, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 5Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 4/4>

| Place of sampling | Ena Offshore 3km Upper Layer | | Ena Offshore 3km Lower Layer | | Numanouchi Offshore 3km Upper Layer | | Numanouchi Offshore 3km Lower Layer | | Toyoma Offshore 3km Upper Layer | | Toyoma Offshore 3km Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 5:45 July 14, 2011 | | 5:45 July 14, 2011 | | 5:35 July 14, 2011 | | 5:35 July 14, 2011 | | 5:50 July 14, 2011 | | 5:50 July 14, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 5Bq/L, Cs-137: approx. 5Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Coast>

| 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 (appox. 330m south of 1-4u Discharge Channel) | | | | Around North Discharge Channel of 2F (Around 3,4u Discharge Channel) (approx. 10 km from 1F) | | Around Iwasawa Shore of 2F (appox. 7 km south of 1,2u Discharge Channel) (appox. 16 km from 1F) | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 11:45 July 15, 2011 | | 11:25 July 15, 2011 | | N/A | | 8:20 July 15, 2011 | | 7:55 July 15, 2011 | | |
| Detected nuclide (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) | |
| I-131 (about 8 days) | ND | - | ND | - | | | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | 64 | 1.1 | ND | - | | | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | 93 | 1.0 | ND | - | | | 4.3 | 0.05 | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | | | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | | | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | | | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | | | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | | | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | | | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | | | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | | | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | | | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 9Bq/L., Cs-134: approx. 19Bq/L, Cs-137: approx. 21Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 1/4>

| Place of sampling | 3 km offshore of Haramachi District Upper Layer | | 3 km offshore of Haramachi District Lower Layer | | 3 km offshore of Odaka District Upper Layer | | 3 km offshore of Odaka District Lower Layer | | 3 km offshore of Iwasawa Coast Upper Layer | | 3 km offshore of Iwasawa Coast Lower Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 9:25 July 15, 2011 | | 9:25 July 15, 2011 | | 9:05 July 15, 2011 | | 9:05 July 15, 2011 | | 7:00 July 15, 2011 | | 7:00 July 15, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 2/4>

| Place of sampling | 8 km offshore of Odaka District Upper Layer | | 8 km offshore of Odaka District Lower Layer | | 8 km offshore of Iwasawa Coast Upper Layer | | 8 km offshore of Iwasawa Coast Lower Layer | | | | | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 8:45 July 15, 2011 | | 8:45 July 15, 2011 | | 7:30 July 15, 2011 | | 7:30 July 15, 2011 | | | | | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | | | | | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | | | | | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | | | | | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | | | | | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | | | | | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | | | | | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | | | | | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | | | | | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L., Cs-134: approx. 5Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 3/4>

| Place of sampling | 5 km offshore of Numanouchi Upper Layer | | 5 km offshore of Numanouchi Lower Layer | | 15 km offshore of Numanouchi Upper Layer | | 15 km offshore of Numanouchi Middle Layer | | 15 km offshore of Numanouchi Lower Layer | | 30 km offshore of Numanouchi Upper Layer | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 6:10 July 15, 2011 | | 6:10 July 15, 2011 | | 6:55 July 15, 2011 | | 6:55 July 15, 2011 | | 6:55 July 15, 2011 | | 7:50 July 15, 2011 | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 2Bq/L., Cs-134: approx. 6Bq/L, Cs-137: approx. 5Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

# 【Final】Nuclide Analysis Results of Seawater <Offshore 4/4>

| Place of sampling | 30 km offshore of Numanouchi Middle Layer | | 30 km offshore of Numanouchi Lower Layer | | | | | | | | | | ② 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and time of sampling | 7:50 July 15, 2011 | | 7:50 July 15, 2011 | | | | | | | | | | |
| Detected nuclide (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 (about 8 days) | ND | - | ND | - | | | | | | | | | 40 |
| Cs-134 (about 2 years) | ND | - | ND | - | | | | | | | | | 60 |
| Cs-137 (about 30years) | ND | - | ND | - | | | | | | | | | 90 |
| Mo-99 (about 66 hours) | ND | - | ND | - | | | | | | | | | 40,000 |
| Tc-99m (about 6 hours) | ND | - | ND | - | | | | | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | | | | | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | | | | | | | | | 10,000 |
| Te-132 (about 3 days) | ND | - | ND | - | | | | | | | | | 200 |
| I-132 (about 2 hours) | ND | - | ND | - | | | | | | | | | 3,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | | | | | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | | | | | | | | | 300 |
| La-140 (about 2 days) | ND | - | ND | - | | | | | | | | | 400 |

※ 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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 2Bq/L., Cs-134: approx. 4Bq/L, Cs-137: approx. 4Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <1/3>**

| Place of Sampling | Shallow Draft Quay of 1F | | Inside north water intake canal of 1F's Unit 1-4 | | Screen of 1F's Unit 1 (outside the silt fence) | | Screen of 1F's Unit 1 (inside the silt fence) | | Screen of 1F's Unit 2 (outside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/2 6:26 AM | | 2011/7/2 6:41 AM | | 2011/7/2 6:46 AM | | 2011/7/2 6:51 AM | | 2011/7/2 6:55 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) | |
| I-131 (about 8 days) | ND | - | 30 | 0.75 | 36 | 0.90 | 53 | 1.3 | 38 | 0.95 | 40 |
| Cs-134 (about 2 years) | 81 | 1.4 | 170 | 2.8 | 210 | 3.5 | 570 | 9.5 | 190 | 3.2 | 60 |
| Cs-137 (about 30 years) | 77 | 0.86 | 180 | 2.0 | 230 | 2.6 | 600 | 6.7 | 230 | 2.6 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※ **In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.13Bq/L.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <2/3>**

| Place of Sampling | Screen of 1F's Unit 2 (inside the silt fence) | | Screen of 1F's Unit 3 (outside the silt fence) | | Screen of 1F's Unit 3 (inside the silt fence) | | Screen of 1F's Unit 4 (outside the silt fence) | | Screen of 1F's Unit 4 (inside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/2 7:00 AM | | 2011/7/2 7:06 AM | | 2011/7/2 7:11 AM | | 2011/7/2 7:22 AM | | 2011/7/2 7:28 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) | |
| I-131 (about 8 days) | 260 | 6.5 | 62 | 1.6 | 55 | 1.4 | 37 | 0.93 | ND | - | 40 |
| Cs-134 (about 2 years) | 1,400 | 23 | 260 | 4.3 | 2,100 | 35 | 280 | 4.7 | 1,000 | 17 | 60 |
| Cs-137 (about 30 years) | 1,400 | 16 | 250 | 2.8 | 2,200 | 24 | 300 | 3.3 | 1,100 | 12 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※ **In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.27Bq/L.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <3/3>**

| Place of Sampling | Inside the south of 1F's Unit 1-4 Water Intake Canal | | | | | | | | | | ②Density 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 and Date of Sample Collection | 2011/7/2 7:33 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) | |
| I-131 (about 8 days) | 110 | 2.8 | | | | | | | | | 40 |
| Cs-134 (about 2 years) | 290 | 4.8 | | | | | | | | | 60 |
| Cs-137 (about 30 years) | 310 | 3.4 | | | | | | | | | 90 |
| Mn-54 (about 313 days) | ND | - | | | | | | | | | 1,000 |
| Co-60 (about 5 years) | ND | - | | | | | | | | | 200 |
| Tc-99m (about 6 hours) | ND | - | | | | | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | | | | | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | | | | | | | | | 10,000 |
| Cs-136 (about 13 days) | ND | - | | | | | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | | | | | | | | | 300 |
| La-140 (about 2 days) | ND | - | | | | | | | | | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※ **In the case that the data is below measurable limit, "ND" is stated.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <1/3>**

| Place of Sampling | Shallow Draft Quay of 1F | | Inside north water intake canal of 1F's Unit 1-4 | | Screen of 1F's Unit 1 (outside the silt fence) | | Screen of 1F's Unit 1 (inside the silt fence) | | Screen of 1F's Unit 2 (outside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/3 5:30 AM | | 2011/7/3 5:40 AM | | 2011/7/3 5:45 AM | | 2011/7/3 1:00 PM | | 2011/7/3 5:54 PM | | |
| 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) | |
| I-131 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | 85 | 1.4 | 47 | 0.78 | 68 | 1.1 | 170 | 2.8 | 71 | 1.2 | 60 |
| Cs-137 (about 30 years) | 110 | 1.2 | 55 | 0.61 | 64 | 0.71 | 140 | 1.6 | 76 | 0.84 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※ **In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.14Bq/L.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <2/3>**

| Place of Sampling | Screen of 1F's Unit 2 (inside the silt fence) | | Screen of 1F's Unit 3 (outside the silt fence) | | Screen of 1F's Unit 3 (inside the silt fence) | | Screen of 1F's Unit 4 (outside the silt fence) | | Screen of 1F's Unit 4 (inside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/3 5:55 PM | | 2011/7/3 6:03 AM | | 2011/7/3 6:05 AM | | 2011/7/3 6:08 AM | | 2011/7/3 1:10 PM | | |
| 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) | |
| I-131 (about 8 days) | 210 | 5.3 | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | 1,200 | 20 | 70 | 1.2 | 3,500 | 58 | 140 | 2.3 | 1,100 | 18 | 60 |
| Cs-137 (about 30 years) | 1,200 | 13 | 55 | 0.61 | 3,700 | 41 | 120 | 1.3 | 1,200 | 13 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※ **In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.43Bq/L.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <3/3>**

| Place of Sampling | Inside the south of 1F's Unit 1-4 Water Intake Canal | | | | | | | | | | ②Density 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 and Date of Sample Collection | 2011/7/3 1:05 PM | | | | | | | | | | |
| 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) | |
| I-131 (about 8 days) | 38 | 0.95 | | | | | | | | | 40 |
| Cs-134 (about 2 years) | 130 | 2.2 | | | | | | | | | 60 |
| Cs-137 (about 30 years) | 170 | 1.9 | | | | | | | | | 90 |
| Mn-54 (about 313 days) | ND | - | | | | | | | | | 1,000 |
| Co-60 (about 5 years) | ND | - | | | | | | | | | 200 |
| Tc-99m (about 6 hours) | ND | - | | | | | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | | | | | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | | | | | | | | | 10,000 |
| Cs-136 (about 13 days) | ND | - | | | | | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | | | | | | | | | 300 |
| La-140 (about 2 days) | ND | - | | | | | | | | | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※ **In the case that the data is below measurable limit, "ND" is stated.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <1/3>**

| Place of Sampling | Shallow Draft Quay of 1F | | Inside north water intake canal of 1F's Unit 1-4 | | Screen of 1F's Unit 1 (outside the silt fence) | | Screen of 1F's Unit 1 (inside the silt fence) | | Screen of 1F's Unit 2 (outside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/4 5:28 AM | | 2011/7/4 5:42 AM | | 2011/7/4 5:45 AM | | 2011/7/4 12:30 PM | | 2011/7/4 5:53 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) | |
| I-131 (about 8 days) | ND | - | ND | - | ND | - | 21 | 0.53 | 17 | 0.43 | 40 |
| Cs-134 (about 2 years) | 53 | 0.88 | 64 | 1.1 | 73 | 1.2 | 200 | 3.3 | 120 | 2.0 | 60 |
| Cs-137 (about 30 years) | 49 | 0.54 | 100 | 1.1 | 78 | 0.87 | 220 | 2.4 | 96 | 1.1 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | #VALUE! | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | #VALUE! | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.16Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <2/3>**

| Place of Sampling | Screen of 1F's Unit 2 (inside the silt fence) | | Screen of 1F's Unit 3 (outside the silt fence) | | Screen of 1F's Unit 3 (inside the silt fence) | | Screen of 1F's Unit 4 (outside the silt fence) | | Screen of 1F's Unit 4 (inside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/4 12:40 PM | | 2011/7/4 6:05 AM | | 2011/7/4 6:07 AM | | 2011/7/4 6:10 AM | | 2011/7/4 12:50 PM | | |
| 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) | |
| I-131 (about 8 days) | 190 | 4.8 | 21 | 0.53 | ND | - | 19 | 0.48 | ND | - | 40 |
| Cs-134 (about 2 years) | 1,200 | 20 | 130 | 2.2 | 3,100 | 52 | 150 | 2.5 | 1,100 | 18 | 60 |
| Cs-137 (about 30 years) | 1,300 | 14 | 130 | 1.4 | 3,500 | 39 | 150 | 1.7 | 1,200 | 13 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.45Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <3/3>**

| Place of Sampling | Inside the south of 1F's Unit 1-4 Water Intake Canal | | | | | | | | | | ②Density 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 and Date of Sample Collection | 2011/7/4 6:17 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) | |
| I-131 (about 8 days) | ND | - | | | | | | | | | 40 |
| Cs-134 (about 2 years) | 290 | 4.8 | | | | | | | | | 60 |
| Cs-137 (about 30 years) | 320 | 3.6 | | | | | | | | | 90 |
| Mn-54 (about 313 days) | ND | - | | | | | | | | | 1,000 |
| Co-60 (about 5 years) | ND | - | | | | | | | | | 200 |
| Tc-99m (about 6 hours) | ND | - | | | | | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | | | | | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | | | | | | | | | 10,000 |
| Cs-136 (about 13 days) | ND | - | | | | | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | | | | | | | | | 300 |
| La-140 (about 2 days) | ND | - | | | | | | | | | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.18Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <1/3>**

| Place of Sampling | Shallow Draft Quay of 1F | | Inside north water intake canal of 1F's Unit 1-4 | | Screen of 1F's Unit 1 (outside the silt fence) | | Screen of 1F's Unit 1 (inside the silt fence) | | Screen of 1F's Unit 2 (outside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/5 6:39 AM | | 2011/7/5 6:48 AM | | 2011/7/5 6:54 AM | | 2011/7/5 6:54 AM | | 2011/7/5 6:58 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) | |
| I-131 (about 8 days) | ND | - | 21 | 0.53 | 24 | 0.60 | 26 | 0.65 | 25 | 0.63 | 40 |
| Cs-134 (about 2 years) | 180 | 3.0 | 260 | 4.3 | 260 | 4.3 | 300 | 5.0 | 290 | 4.8 | 60 |
| Cs-137 (about 30 years) | 180 | 2.0 | 290 | 3.2 | 300 | 3.3 | 340 | 3.8 | 300 | 3.3 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.15Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <2/3>**

| Place of Sampling | Screen of 1F's Unit 2 (inside the silt fence) | | Screen of 1F's Unit 3 (outside the silt fence) | | Screen of 1F's Unit 3 (inside the silt fence) | | Screen of 1F's Unit 4 (outside the silt fence) | | Screen of 1F's Unit 4 (inside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/5 7:03 AM | | 2011/7/5 7:16 AM | | 2011/7/5 7:16 AM | | 2011/7/5 7:10 AM | | 2011/7/5 12:30 PM | | |
| 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) | |
| I-131 (about 8 days) | 66 | 1.7 | 34 | 0.85 | 25 | 0.63 | 29 | 0.73 | ND | - | 40 |
| Cs-134 (about 2 years) | 620 | 10 | 340 | 5.7 | 770 | 13 | 340 | 5.7 | 840 | 14 | 60 |
| Cs-137 (about 30 years) | 690 | 7.7 | 380 | 4.2 | 770 | 8.6 | 370 | 4.1 | 990 | 11 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.25Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <3/3>**

| Place of Sampling | Inside the south of 1F's Unit 1-4 Water Intake Canal | | | | | | | | | | ②Density 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 and Date of Sample Collection | 2011/7/5 7:20 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) | |
| I-131 (about 8 days) | ND | - | | | | | | | | | 40 |
| Cs-134 (about 2 years) | 270 | 4.5 | | | | | | | | | 60 |
| Cs-137 (about 30 years) | 280 | 3.1 | | | | | | | | | 90 |
| Mn-54 (about 313 days) | ND | - | | | | | | | | | 1,000 |
| Co-60 (about 5 years) | ND | - | | | | | | | | | 200 |
| Tc-99m (about 6 hours) | ND | - | | | | | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | | | | | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | | | | | | | | | 10,000 |
| Cs-136 (about 13 days) | ND | - | | | | | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | | | | | | | | | 300 |
| La-140 (about 2 days) | ND | - | | | | | | | | | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.16Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <1/3>

| Place of Sampling | Shallow Draft Quay of 1F | | Inside north water intake canal of 1F's Unit 1-4 | | Screen of 1F's Unit 1 (outside the silt fence) | | Screen of 1F's Unit 1 (inside the silt fence) | | Screen of 1F's Unit 2 (outside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/6 7:16 AM | | 2011/7/6 7:28 AM | | 2011/7/6 7:35 AM | | 2011/7/6 7:35 AM | | 2011/7/6 7:45 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) | |
| I-131 (about 8 days) | ND | - | 19 | 0.5 | 26 | 0.7 | ND | - | 34 | 0.9 | 40 |
| Cs-134 (about 2 years) | 77 | 1.3 | 350 | 5.8 | 320 | 5.3 | 320 | 5.3 | 380 | 6.3 | 60 |
| Cs-137 (about 30 years) | 87 | 1.0 | 380 | 4.2 | 360 | 4.0 | 340 | 3.8 | 380 | 4.2 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.16Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <2/3>**

| Place of Sampling | Screen of 1F's Unit 2 (inside the silt fence) | | Screen of 1F's Unit 3 (outside the silt fence) | | Screen of 1F's Unit 3 (inside the silt fence) | | Screen of 1F's Unit 4 (outside the silt fence) | | Screen of 1F's Unit 4 (inside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/6 7:46 AM | | 2011/7/6 7:56 AM | | 2011/7/6 7:59 AM | | 2011/7/6 7:57 AM | | 2011/7/6 7:58 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) | |
| I-131 (about 8 days) | 45 | 1.1 | 26 | 0.7 | ND | - | 31 | 0.8 | 25 | 0.6 | 40 |
| Cs-134 (about 2 years) | 510 | 8.5 | 400 | 6.7 | 4,000 | 66.7 | 380 | 6.3 | 470 | 7.8 | 60 |
| Cs-137 (about 30 years) | 540 | 6.0 | 430 | 4.8 | 4,300 | 47.8 | 420 | 4.7 | 480 | 5.3 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.47Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <3/3>**

| Place of Sampling | Inside the south of 1F's Unit 1-4 Water Intake Canal | | | | | | | | | | ②Density 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 and Date of Sample Collection | 2011/7/6 8:06 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) | |
| I-131 (about 8 days) | ND | - | | | | | | | | | 40 |
| Cs-134 (about 2 years) | 320 | 5.3 | | | | | | | | | 60 |
| Cs-137 (about 30 years) | 360 | 4.0 | | | | | | | | | 90 |
| Mn-54 (about 313 days) | ND | - | | | | | | | | | 1,000 |
| Co-60 (about 5 years) | ND | - | | | | | | | | | 200 |
| Tc-99m (about 6 hours) | ND | - | | | | | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | | | | | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | | | | | | | | | 10,000 |
| Cs-136 (about 13 days) | ND | - | | | | | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | | | | | | | | | 300 |
| La-140 (about 2 days) | ND | - | | | | | | | | | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※**In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.19Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <1/3>**

| Place of Sampling | Shallow Draft Quay of 1F | | Inside north water intake canal of 1F's Unit 1-4 | | Screen of 1F's Unit 1 (outside the silt fence) | | Screen of 1F's Unit 1 (inside the silt fence) | | Screen of 1F's Unit 2 (outside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/7 6:45 AM | | 2011/7/7 6:55 AM | | 2011/7/7 7:00 AM | | 2011/7/7 7:02 AM | | 2011/7/7 7:08 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) | |
| I-131 (about 8 days) | ND | - | 43 | 1.1 | 38 | 0.95 | 30 | 0.75 | 34 | 0.85 | 40 |
| Cs-134 (about 2 years) | 45 | 0.75 | 290 | 4.8 | 290 | 4.8 | 310 | 5.2 | 300 | 5.0 | 60 |
| Cs-137 (about 30 years) | 60 | 0.67 | 300 | 3.3 | 300 | 3.3 | 340 | 3.8 | 340 | 3.8 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.15Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <2/3>**

| Place of Sampling | Screen of 1F's Unit 2 (inside the silt fence) | | Screen of 1F's Unit 3 (outside the silt fence) | | Screen of 1F's Unit 3 (inside the silt fence) | | Screen of 1F's Unit 4 (outside the silt fence) | | Screen of 1F's Unit 4 (inside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/7 7:11 AM | | 2011/7/7 7:18 AM | | 2011/7/7 7:21 AM | | 2011/7/7 7:27 AM | | 2011/7/7 7:30 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) | |
| I-131 (about 8 days) | 59 | 1.5 | 34 | 0.85 | 42 | 1.1 | 32 | 0.80 | 32 | 0.80 | 40 |
| Cs-134 (about 2 years) | 350 | 5.8 | 280 | 4.7 | 330 | 5.5 | 240 | 4.0 | 320 | 5.3 | 60 |
| Cs-137 (about 30 years) | 360 | 4.0 | 300 | 3.3 | 360 | 4.0 | 290 | 3.2 | 350 | 3.9 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※ **In the case that the data is below measurable limit, "ND" is stated.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <3/3>**

| Place of Sampling | Inside the south of 1F's Unit 1-4 Water Intake Canal | | | | | | | | | | ②Density 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 and Date of Sample Collection | 2011/7/7 7:35 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) | |
| I-131 (about 8 days) | ND | - | | | | | | | | | 40 |
| Cs-134 (about 2 years) | 270 | 4.5 | | | | | | | | | 60 |
| Cs-137 (about 30 years) | 300 | 3.3 | | | | | | | | | 90 |
| Mn-54 (about 313 days) | ND | - | | | | | | | | | 1,000 |
| Co-60 (about 5 years) | ND | - | | | | | | | | | 200 |
| Tc-99m (about 6 hours) | ND | - | | | | | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | | | | | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | | | | | | | | | 10,000 |
| Cs-136 (about 13 days) | ND | - | | | | | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | | | | | | | | | 300 |
| La-140 (about 2 days) | ND | - | | | | | | | | | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.19Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <1/3>**

| Place of Sampling | Shallow Draft Quay of 1F | | Inside north water intake canal of 1F's Unit 1-4 | | Screen of 1F's Unit 1 (outside the silt fence) | | Screen of 1F's Unit 1 (inside the silt fence) | | Screen of 1F's Unit 2 (outside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/8 5:45 PM | | 2011/7/8 6:37 AM | | 2011/7/8 6:43 AM | | 2011/7/8 6:46 AM | | 2011/7/8 6:51 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) | |
| I-131 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | 140 | 2.3 | 67 | 1.1 | 61 | 1.0 | 63 | 1.1 | 86 | 1.4 | 60 |
| Cs-137 (about 30 years) | 170 | 1.9 | 75 | 0.83 | 73 | 0.81 | 52 | 0.58 | 86 | 0.96 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.16Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <2/3>**

| Place of Sampling | Screen of 1F's Unit 2 (inside the silt fence) | | Screen of 1F's Unit 3 (outside the silt fence) | | Screen of 1F's Unit 3 (inside the silt fence) | | Screen of 1F's Unit 4 (outside the silt fence) | | Screen of 1F's Unit 4 (inside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/8 6:53 AM | | 2011/7/8 7:00 AM | | 2011/7/8 7:03 AM | | 2011/7/8 7:08 AM | | 2011/7/8 7:11 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) | |
| I-131 (about 8 days) | 23 | 0.58 | 29 | 0.73 | 31 | 0.78 | 15 | 0.38 | 19 | 0.48 | 40 |
| Cs-134 (about 2 years) | 160 | 2.7 | 150 | 2.5 | 190 | 3.2 | 150 | 2.5 | 170 | 2.8 | 60 |
| Cs-137 (about 30 years) | 180 | 2.0 | 170 | 1.9 | 210 | 2.3 | 170 | 1.9 | 200 | 2.2 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※ **In the case that the data is below measurable limit, "ND" is stated.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <3/3>**

| Place of Sampling | Inside the south of 1F's Unit 1-4 Water Intake Canal | | | | | | | | | | ②Density 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 and Date of Sample Collection | 2011/7/8 7:18 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) | |
| I-131 (about 8 days) | 20 | 0.50 | | | | | | | | | 40 |
| Cs-134 (about 2 years) | 150 | 2.5 | | | | | | | | | 60 |
| Cs-137 (about 30 years) | 180 | 2.0 | | | | | | | | | 90 |
| Mn-54 (about 313 days) | ND | - | | | | | | | | | 1,000 |
| Co-60 (about 5 years) | ND | - | | | | | | | | | 200 |
| Tc-99m (about 6 hours) | ND | - | | | | | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | | | | | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | | | | | | | | | 10,000 |
| Cs-136 (about 13 days) | ND | - | | | | | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | | | | | | | | | 300 |
| La-140 (about 2 days) | ND | - | | | | | | | | | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※ **In the case that the data is below measurable limit, "ND" is stated.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <1/3>**

| Place of Sampling | Shallow Draft Quay of 1F | | Inside north water intake canal of 1F's Unit 1-4 | | Screen of 1F's Unit 1 (outside the silt fence) | | Screen of 1F's Unit 1 (inside the silt fence) | | Screen of 1F's Unit 2 (outside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/9 6:32 AM | | 2011/7/9 6:43 AM | | 2011/7/9 6:48 AM | | 2011/7/9 6:54 AM | | 2011/7/9 7:03 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) | |
| I-131 (about 8 days) | ND | - | 16 | 0.40 | 16 | 0.40 | 21 | 0.53 | 19 | 0.48 | 40 |
| Cs-134 (about 2 years) | 56 | 0.93 | 140 | 2.3 | 170 | 2.8 | 150 | 2.5 | 190 | 3.2 | 60 |
| Cs-137 (about 30 years) | 82 | 0.91 | 160 | 1.8 | 180 | 2.0 | 160 | 1.8 | 210 | 2.3 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.14Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <2/3>**

| Place of Sampling | Screen of 1F's Unit 2 (inside the silt fence) | | Screen of 1F's Unit 3 (outside the silt fence) | | Screen of 1F's Unit 3 (inside the silt fence) | | Screen of 1F's Unit 4 (outside the silt fence) | | Screen of 1F's Unit 4 (inside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/9 7:07 AM | | 2011/7/9 7:17 AM | | 2011/7/9 7:20 AM | | 2011/7/9 7:24 AM | | 2011/7/9 7:27 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) | |
| I-131 (about 8 days) | 26 | 0.65 | ND | - | 29 | 0.73 | 21 | 0.53 | 20 | 0.50 | 40 |
| Cs-134 (about 2 years) | 200 | 3.3 | 170 | 2.8 | 550 | 9.2 | 200 | 3.3 | 340 | 5.7 | 60 |
| Cs-137 (about 30 years) | 260 | 2.9 | 200 | 2.2 | 590 | 6.6 | 230 | 2.6 | 360 | 4.0 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※**In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.16Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <3/3>**

| Place of Sampling | Inside the south of 1F's Unit 1-4 Water Intake Canal | | | | | | | | | | ②Density 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 and Date of Sample Collection | 2011/7/9 7:34 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) | |
| I-131 (about 8 days) | ND | - | | | | | | | | | 40 |
| Cs-134 (about 2 years) | 320 | 5.3 | | | | | | | | | 60 |
| Cs-137 (about 30 years) | 330 | 3.7 | | | | | | | | | 90 |
| Mn-54 (about 313 days) | ND | - | | | | | | | | | 1,000 |
| Co-60 (about 5 years) | ND | - | | | | | | | | | 200 |
| Tc-99m (about 6 hours) | ND | - | | | | | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | | | | | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | | | | | | | | | 10,000 |
| Cs-136 (about 13 days) | ND | - | | | | | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | | | | | | | | | 300 |
| La-140 (about 2 days) | ND | - | | | | | | | | | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.20Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <1/3>**

| Place of Sampling | Shallow Draft Quay of 1F | | Inside north water intake canal of 1F's Unit 1-4 | | Screen of 1F's Unit 1 (outside the silt fence) | | Screen of 1F's Unit 1 (inside the silt fence) | | Screen of 1F's Unit 2 (outside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/10 6:19 AM | | 2011/7/10 6:30 AM | | 2011/7/10 6:34 AM | | 2011/7/10 6:37 AM | | 2011/7/10 6:41 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) | |
| I-131 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | 130 | 2.2 | 390 | 6.5 | 390 | 6.5 | 250 | 4.2 | 340 | 5.7 | 60 |
| Cs-137 (about 30 years) | 140 | 1.6 | 430 | 4.8 | 420 | 4.7 | 260 | 2.9 | 430 | 4.8 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.18Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <2/3>**

| Place of Sampling | Screen of 1F's Unit 2 (inside the silt fence) | | Screen of 1F's Unit 3 (outside the silt fence) | | Screen of 1F's Unit 3 (inside the silt fence) | | Screen of 1F's Unit 4 (outside the silt fence) | | Screen of 1F's Unit 4 (inside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/10 6:46 AM | | 2011/7/10 6:53 AM | | 2011/7/10 6:57 AM | | 2011/7/10 7:03 AM | | 2011/7/10 7:15 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) | |
| I-131 (about 8 days) | 30 | 0.75 | 22 | 0.55 | 40 | 1.0 | 21 | 0.53 | ND | - | 40 |
| Cs-134 (about 2 years) | 500 | 8.3 | 500 | 8.3 | 1,600 | 27 | 420 | 7.0 | 700 | 12 | 60 |
| Cs-137 (about 30 years) | 560 | 6.2 | 510 | 5.7 | 1,700 | 19 | 440 | 4.9 | 770 | 8.6 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.23Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <3/3>**

| Place of Sampling | Inside the south of 1F's Unit 1-4 Water Intake Canal | | | | | | | | | | ②Density 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 and Date of Sample Collection | 2011/7/10 7:10 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) | |
| I-131 (about 8 days) | ND | - | | | | | | | | | 40 |
| Cs-134 (about 2 years) | 430 | 7.2 | | | | | | | | | 60 |
| Cs-137 (about 30 years) | 480 | 5.3 | | | | | | | | | 90 |
| Mn-54 (about 313 days) | ND | - | | | | | | | | | 1,000 |
| Co-60 (about 5 years) | ND | - | | | | | | | | | 200 |
| Tc-99m (about 6 hours) | ND | - | | | | | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | | | | | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | | | | | | | | | 10,000 |
| Cs-136 (about 13 days) | ND | - | | | | | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | | | | | | | | | 300 |
| La-140 (about 2 days) | ND | - | | | | | | | | | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※**In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.19Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <1/3>**

| Place of Sampling | Shallow Draft Quay of 1F | | Inside north water intake canal of 1F's Unit 1-4 | | Screen of 1F's Unit 1 (outside the silt fence) | | Screen of 1F's Unit 1 (inside the silt fence) | | Screen of 1F's Unit 2 (outside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/11 6:34 AM | | 2011/7/11 6:45 AM | | 2011/7/11 6:53 AM | | 2011/7/11 6:59 AM | | 2011/7/11 7:04 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) | |
| I-131 (about 8 days) | ND | - | ND | - | 29 | 0.73 | 19 | 0.48 | ND | - | 40 |
| Cs-134 (about 2 years) | 92 | 1.5 | 410 | 6.8 | 410 | 6.8 | 370 | 6.2 | 380 | 6.3 | 60 |
| Cs-137 (about 30 years) | 81 | 0.90 | 450 | 5.0 | 430 | 4.8 | 410 | 4.6 | 430 | 4.8 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.22Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <2/3>**

| Place of Sampling | Screen of 1F's Unit 2 (inside the silt fence) | | Screen of 1F's Unit 3 (outside the silt fence) | | Screen of 1F's Unit 3 (inside the silt fence) | | Screen of 1F's Unit 4 (outside the silt fence) | | Screen of 1F's Unit 4 (inside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/11 7:08 AM | | 2011/7/11 7:13 AM | | 2011/7/11 7:17 AM | | 2011/7/11 7:15 AM | | 2011/7/11 7:20 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) | |
| I-131 (about 8 days) | 33 | 0.83 | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | 430 | 7.2 | 420 | 7.0 | 630 | 11 | 440 | 7.3 | 620 | 10 | 60 |
| Cs-137 (about 30 years) | 450 | 5.0 | 470 | 5.2 | 710 | 7.9 | 470 | 5.2 | 730 | 8.1 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.23Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <3/3>**

| Place of Sampling | Inside the south of 1F's Unit 1-4 Water Intake Canal | | | | | | | | | | ②Density 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 and Date of Sample Collection | 2011/7/11 7:26 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) | |
| I-131 (about 8 days) | ND | - | | | | | | | | | 40 |
| Cs-134 (about 2 years) | 430 | 7.2 | | | | | | | | | 60 |
| Cs-137 (about 30 years) | 510 | 5.7 | | | | | | | | | 90 |
| Mn-54 (about 313 days) | ND | - | | | | | | | | | 1,000 |
| Co-60 (about 5 years) | ND | - | | | | | | | | | 200 |
| Tc-99m (about 6 hours) | ND | - | | | | | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | | | | | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | | | | | | | | | 10,000 |
| Cs-136 (about 13 days) | ND | - | | | | | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | | | | | | | | | 300 |
| La-140 (about 2 days) | ND | - | | | | | | | | | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.20Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <1/3>**

| Place of Sampling | Shallow Draft Quay of 1F | | Shallow Draft Quay of 1F | | Inside north water intake canal of 1F's Unit 1-4 | | Screen of 1F's Unit 1 (outside the silt fence) | | Screen of 1F's Unit 1 (inside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/12 6:40 AM | | 2011/7/12 6:15 PM | | 2011/7/12 6:51 AM | | 2011/7/12 6:58 AM | | 2011/7/12 7:02 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) | |
| I-131 (about 8 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | 49 | 0.82 | 80 | 1.3 | 120 | 2.0 | 69 | 1.2 | 160 | 2.7 | 60 |
| Cs-137 (about 30 years) | 61 | 0.68 | 95 | 1.1 | 140 | 1.6 | 69 | 0.77 | 170 | 1.9 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.15Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <2/3>**

| Place of Sampling | Screen of 1F's Unit 2 (outside the silt fence) | | Screen of 1F's Unit 2 (inside the silt fence) | | Screen of 1F's Unit 3 (outside the silt fence) | | Screen of 1F's Unit 3 (inside the silt fence) | | Screen of 1F's Unit 4 (outside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/12 7:06 AM | | 2011/7/12 7:10 AM | | 2011/7/12 7:17 AM | | 2011/7/12 7:23 AM | | 2011/7/12 7:17 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) | |
| I-131 (about 8 days) | 19 | 0.48 | 43 | 1.1 | 52 | 1.3 | ND | - | 20 | 0.50 | 40 |
| Cs-134 (about 2 years) | 190 | 3.2 | 160 | 2.7 | 170 | 2.8 | 280 | 4.7 | 130 | 2.2 | 60 |
| Cs-137 (about 30 years) | 190 | 2.1 | 170 | 1.9 | 170 | 1.9 | 340 | 3.8 | 150 | 1.7 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.17Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

## 【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <3/3>

| Place of Sampling | Screen of 1F's Unit 4 (inside the silt fence) | | Inside the south of 1F's Unit 1-4 Water Intake Canal | | 1F Port | | | | | | ②Density 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 and Date of Sample Collection | 2011/7/12 7:23 AM | | 2011/7/12 7:28 AM | | 2011/7/12 9:35 AM | | 2011/7/12 1:30 PM | | | | |
| 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) | |
| I-131 (about 8 days) | ND | - | ND | - | ND | - | ND | - | | | 40 |
| Cs-134 (about 2 years) | 160 | 2.7 | 350 | 5.8 | ND | - | ND | - | | | 60 |
| Cs-137 (about 30 years) | 180 | 2.0 | 420 | 4.7 | ND | - | ND | - | | | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | | | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | | | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | | | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | | | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | | | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | | | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | | | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | | | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.17Bq/L., I-134: approx.34Bq/L, I-137: approx.36Bq/L..
However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <1/3>**

| Place of Sampling | Shallow Draft Quay of 1F | | Shallow Draft Quay of 1F | | Inside north water intake canal of 1F's Unit 1-4 | | Screen of 1F's Unit 1 (outside the silt fence) | | Screen of 1F's Unit 1 (inside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/13 6:37 AM | | 2011/7/13 4:00 PM | | 2011/7/13 6:45 AM | | 2011/7/13 6:51 AM | | 2011/7/13 6:55 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) | |
| I-131 (about 8 days) | ND | - | ND | - | ND | - | ND | - | 15 | 0.38 | 40 |
| Cs-134 (about 2 years) | 96 | 1.6 | 55 | 0.92 | 200 | 3.3 | 210 | 3.5 | 170 | 2.8 | 60 |
| Cs-137 (about 30 years) | 110 | 1.2 | 47 | 0.52 | 210 | 2.3 | 200 | 2.2 | 200 | 2.2 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.16Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <2/3>

| Place of Sampling | Screen of 1F's Unit 2 (outside the silt fence) | | Screen of 1F's Unit 2 (inside the silt fence) | | Screen of 1F's Unit 3 (outside the silt fence) | | Screen of 1F's Unit 3 (inside the silt fence) | | Screen of 1F's Unit 4 (outside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/13 7:00 AM | | 2011/7/13 7:04 AM | | 2011/7/13 7:10 AM | | 2011/7/13 7:15 AM | | 2011/7/13 7:10 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) | |
| I-131 (about 8 days) | 18 | 0.45 | ND | - | 22 | 0.55 | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | 170 | 2.8 | 220 | 3.7 | 220 | 3.7 | 340 | 5.7 | 450 | 7.5 | 60 |
| Cs-137 (about 30 years) | 200 | 2.2 | 250 | 2.8 | 240 | 2.7 | 400 | 4.4 | 480 | 5.3 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.19Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <3/3>

| Place of Sampling | Screen of 1F's Unit 4 (inside the silt fence) | | Inside the south of 1F's Unit 1-4 Water Intake Canal | | 1F Port | | | | | | ②Density 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 and Date of Sample Collection | 2011/7/13 7:15 AM | | 2011/7/13 7:21 AM | | 2011/7/13 12:50 PM | | | | | | |
| 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) | |
| I-131 (about 8 days) | ND | - | ND | - | ND | - | | | | | 40 |
| Cs-134 (about 2 years) | 510 | 8.5 | 420 | 7.0 | ND | - | | | | | 60 |
| Cs-137 (about 30 years) | 610 | 6.8 | 480 | 5.3 | ND | - | | | | | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | | | | | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | | | | | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | | | | | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | | | | | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | | | | | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.27Bq/L., I-134: approx.27Bq/L, I-137: approx.30Bq/L..
However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <1/3>**

| Place of Sampling | Shallow Draft Quay of 1F | | Shallow Draft Quay of 1F | | Inside north water intake canal of 1F's Unit 1-4 | | Screen of 1F's Unit 1 (outside the silt fence) | | Screen of 1F's Unit 1 (inside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/14 7:04 AM | | 2011/7/14 4:00 PM | | 2011/7/14 7:17 AM | | 2011/7/14 7:23 AM | | 2011/7/14 7:26 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) | |
| I-131 (about 8 days) | ND | - | ND | - | ND | - | ND | - | 20 | 0.50 | 40 |
| Cs-134 (about 2 years) | 120 | 2.0 | 46 | 0.77 | 390 | 6.5 | 370 | 6.2 | 280 | 4.7 | 60 |
| Cs-137 (about 30 years) | 160 | 1.8 | 87 | 0.97 | 440 | 4.9 | 350 | 3.9 | 310 | 3.4 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.18Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <2/3>**

| Place of Sampling | Screen of 1F's Unit 2 (outside the silt fence) | | Screen of 1F's Unit 2 (inside the silt fence) | | Screen of 1F's Unit 3 (outside the silt fence) | | Screen of 1F's Unit 3 (inside the silt fence) | | Screen of 1F's Unit 4 (outside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/14 7:31 AM | | 2011/7/14 7:35 AM | | 2011/7/14 7:41 AM | | 2011/7/14 7:46 AM | | 2011/7/14 12:45 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) | |
| I-131 (about 8 days) | 24 | 0.60 | 27 | 0.68 | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | 350 | 5.8 | 490 | 8.2 | 460 | 7.7 | 2,000 | 33 | 530 | 8.8 | 60 |
| Cs-137 (about 30 years) | 410 | 4.6 | 510 | 5.7 | 520 | 5.8 | 2,200 | 24 | 600 | 6.7 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

**※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.32Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

## 【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <3/3>

| Place of Sampling | Screen of 1F's Unit 4 (inside the silt fence) | | Inside the south of 1F's Unit 1-4 Water Intake Canal | | 1F Port | | | | | | ②Density 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 and Date of Sample Collection | 2011/7/14 12:40 AM | | 2011/7/14 7:58 AM | | 2011/7/14 12:40 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) | |
| I-131 (about 8 days) | 26 | 0.65 | ND | - | ND | - | | | | | 40 |
| Cs-134 (about 2 years) | 1,000 | 17 | 480 | 8.0 | ND | - | | | | | 60 |
| Cs-137 (about 30 years) | 1,000 | 11 | 480 | 5.3 | ND | - | | | | | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | | | | | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | | | | | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | | | | | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | | | | | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | | | | | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.20Bq/L., I-134: approx.28Bq/L, I-137: approx.30Bq/L..
However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.

【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <1/3>

| Place of Sampling | Shallow Draft Quay of 1F | | Shallow Draft Quay of 1F | | Inside north water intake canal of 1F's Unit 1-4 | | Screen of 1F's Unit 1 (outside the silt fence) | | Screen of 1F's Unit 1 (inside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/15 6:56 AM | | 2011/7/15 4:00 PM | | 2011/7/15 7:04 AM | | 2011/7/15 7:09 AM | | 2011/7/15 7:15 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) | |
| I-131 (about 8 days) | ND | - | ND | - | 22 | 0.55 | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | 92 | 1.5 | 40 | 0.67 | 380 | 6.3 | 380 | 6.3 | 420 | 7.0 | 60 |
| Cs-137 (about 30 years) | 100 | 1.1 | 31 | 0.34 | 440 | 4.9 | 430 | 4.8 | 440 | 4.9 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.32Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.

**【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <2/3>**

| Place of Sampling | Screen of 1F's Unit 2 (outside the silt fence) | | Screen of 1F's Unit 2 (inside the silt fence) | | Screen of 1F's Unit 3 (outside the silt fence) | | Screen of 1F's Unit 3 (inside the silt fence) | | Screen of 1F's Unit 4 (outside the silt fence) | | ②Density 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 and Date of Sample Collection | 2011/7/15 7:19 AM | | 2011/7/15 7:23 AM | | 2011/7/15 7:29 AM | | 2011/7/15 7:33 AM | | 2011/7/15 7:29 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) | |
| I-131 (about 8 days) | ND | - | 31 | 0.78 | ND | - | ND | - | ND | - | 40 |
| Cs-134 (about 2 years) | 350 | 5.8 | 460 | 7.7 | 800 | 13 | 1,800 | 30 | 500 | 8.3 | 60 |
| Cs-137 (about 30 years) | 410 | 4.6 | 560 | 6.2 | 910 | 10 | 2,000 | 22 | 520 | 5.8 | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※**In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.32Bq/L. However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.**

## 【Final】 The Results of Nuclide Analyses of Radioactive Materials in the Seawater Fukushima Daiichi Nuclear Power Station; the shallow draft quay, Units 1-4 screen, and the water intake canal of Units 1-4 <3/3>

| Place of Sampling | Screen of 1F's Unit 4 (inside the silt fence) | | Inside the south of 1F's Unit 1-4 Water Intake Canal | | 1F Port | | | | | | ②Density 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 and Date of Sample Collection | 2011/7/15 7:33 AM | | 2011/7/15 7:40 AM | | 2011/7/15 1:30 PM | | | | | | |
| 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) | |
| I-131 (about 8 days) | 33 | 0.83 | 30 | 0.75 | ND | - | | | | | 40 |
| Cs-134 (about 2 years) | 540 | 9.0 | 500 | 8.3 | ND | - | | | | | 60 |
| Cs-137 (about 30 years) | 630 | 7.0 | 530 | 5.9 | ND | - | | | | | 90 |
| Mn-54 (about 313 days) | ND | - | ND | - | ND | - | | | | | 1,000 |
| Co-60 (about 5 years) | ND | - | ND | - | ND | - | | | | | 200 |
| Tc-99m (about 6 hours) | ND | - | ND | - | ND | - | | | | | 40,000 |
| Te-129m (about 34 days) | ND | - | ND | - | ND | - | | | | | 300 |
| Te-129 (about 70 minutes) | ND | - | ND | - | ND | - | | | | | 10,000 |
| Cs-136 (about 13 days) | ND | - | ND | - | ND | - | | | | | 300 |
| Ba-140 (about 13 days) | ND | - | ND | - | ND | - | | | | | 300 |
| La-140 (about 2 days) | ND | - | ND | - | ND | - | | | | | 400 |

※ "Density limit by the announcement of Reactor Regulation" shows the value in "Bq/ L" converted from the value originally in "Bq/ $cm^3$".

※ In the case that there are multiple kinds of nuclides, compare the sum of each scaling factor against its density limit with 1

※In the case that the data is below measurable limit, "ND" is stated. Detectable thresholds of the main 3 nuclides are as follows: I-131: approx.12Bq/L., I-134: approx.32Bq/L, I-137: approx.36Bq/L..
However, nuclides may be detected below measurable limtit since it varies according to detectors and characteristics of sample.

## [Final] Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

| Place of sampling | Southeast, T/B, Unit 4, Fukushima Daiichi | Northeast, Process Main Building, Fukushima Daiichi | Southeast, Process Main Building, Fukushima Daiichi | South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi | Southwest, On-site Bunker Building, Fukushima Daiichi | West, Incineration Workshop Building | North, Misc Solid Waste Volume Reduction Treatment Building , Fukushima Daiichi |
|---|---|---|---|---|---|---|---|
| Time and Date of Sample Collection | 2011/7/2 11:27 am | 2011/7/2 11:32 am | 2011/7/2 11:37 am | 2011/7/2 11:47 am | Not Eligible | 2011/7/2 11:42 am | 2011/7/2 11:53 am |
| Detected Nuclides (Half-life) | Radioactivity Density of Sample (Bq/cm$^3$) | | | | | | |
| I-131 (approx 8 days) | ND | ND | ND | ND | | ND | ND |
| Cs-134 (approx 2 years) | 3.6E-02 | ND | ND | 3.4E-02 | | 4.6E-01 | 6.0E-02 |
| Cs-137 (approx 30 years) | 5.0E-02 | ND | ND | ND | | 5.1E-01 | 3.9E-02 |
| Te-129 (approx 70 minutes) | ND | ND | ND | ND | | ND | A |
| Te-129m (approx 34days) | ND | ND | ND | ND | | ND | ND |
| Cs-136 (approx 13 days) | ND | ND | ND | ND | | ND | ND |
| Ba-140 (approx 13 days) | ND | ND | ND | ND | | ND | ND |

※ ○.○E-○ means ○.○×１０$^{-○}$

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 2E-2Bq/cm3, Cs-134: approx.3E-2Bq/cm3, Cs-137: approx. 3E-2Bq/cm3). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

## [Final] Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

| Place of sampling | Southeast, T/B, Unit 4, Fukushima Daiichi | Northeast, Process Main Building, Fukushima Daiichi | Southeast, Process Main Building, Fukushima Daiichi | South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi | Southwest, On-site Bunker Building, Fukushima Daiichi | West, Incineration Workshop Building | North, Misc Solid Waste Volume Reduction Treatment Building , Fukushima Daiichi |
|---|---|---|---|---|---|---|---|
| Time and Date of Sample Collection | 2011/7/3 11:12 am | 2011/7/3 11:20 am | 2011/7/3 11:25 am | 2011/7/3 11:38 am | Not Eligible | 2011/7/3 11:34 am | 2011/7/3 11:44 am |
| Detected Nuclides (Half-life) | Radioactivity Density of Sample (Bq/cm$^3$) | | | | | | |
| I-131 (approx 8 days) | ND | ND | ND | ND | | ND | ND |
| Cs-134 (approx 2 years) | ND | ND | ND | 5.6E-02 | | 2.0E-01 | ND |
| Cs-137 (approx 30 years) | ND | ND | ND | 6.7E-02 | | 2.5E-01 | ND |
| Te-129 (approx 70 minutes) | ND | ND | ND | ND | | ND | A |
| Te-129m (approx 34days) | ND | ND | ND | ND | | ND | ND |
| Cs-136 (approx 13 days) | ND | ND | ND | ND | | ND | ND |
| Ba-140 (approx 13 days) | ND | ND | ND | ND | | ND | ND |

※ ○.○E-○ means ○.○×１０$^{-○}$

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 2E-2Bq/cm3, Cs-134: approx.3E-2Bq/cm3, Cs-137: approx. 4E-2Bq/cm3). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

## [Final] Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

| Place of sampling | Southeast, T/B, Unit 4, Fukushima Daiichi | Northeast, Process Main Building, Fukushima Daiichi | Southeast, Process Main Building, Fukushima Daiichi | South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi | Southwest, On-site Bunker Building, Fukushima Daiichi | West, Incineration Workshop Building | North, Misc Solid Waste Volume Reduction Treatment Building , Fukushima Daiichi |
|---|---|---|---|---|---|---|---|
| Time and Date of Sample Collection | 2011/7/4 11:23 am | 2011/7/4 11:28 am | 2011/7/4 11:33 am | 2011/7/4 11:46 am | 2011/7/4 11:38 am | 2011/7/4 11:42 am | 2011/7/4 11:51 am |
| Detected Nuclides (Half-life) | Radioactivity Density of Sample (Bq/cm$^3$) | | | | | | |
| I-131 (approx 8 days) | ND | ND | ND | ND | ND | ND | ND |
| Cs-134 (approx 2 years) | ND | ND | ND | 5.1E-02 | 3.9E-02 | 2.1E-01 | ND |
| Cs-137 (approx 30 years) | ND | ND | ND | 3.1E-02 | 4.5E-02 | 2.6E-01 | ND |
| Te-129 (approx 70 minutes) | ND | ND | ND | ND | ND | ND | A |
| Te-129m (approx 34days) | ND | ND | ND | ND | ND | ND | ND |
| Cs-136 (approx 13 days) | ND | ND | ND | ND | ND | ND | ND |
| Ba-140 (approx 13 days) | ND | ND | ND | ND | ND | ND | ND |

※ ○.○E-○ means ○.○×１０$^{-○}$

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 2E-2Bq/cm3, Cs-134: approx.3E-2Bq/cm3, Cs-137: approx. 4E-2Bq/cm3). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

## [Final] Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

| Place of sampling | Southeast, T/B, Unit 4, Fukushima Daiichi | Northeast, Process Main Building, Fukushima Daiichi | Southeast, Process Main Building, Fukushima Daiichi | South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi | Southwest, On-site Bunker Building, Fukushima Daiichi | West, Incineration Workshop Building | North, Misc Solid Waste Volume Reduction Treatment Building , Fukushima Daiichi |
|---|---|---|---|---|---|---|---|
| Time and Date of Sample Collection | 2011/7/5 11:22 am | 2011/7/5 11:27 am | 2011/7/5 11:33 am | 2011/7/5 11:41 am | Not Eligible | 2011/7/5 11:38 am | 2011/7/5 11:47 am |
| Detected Nuclides (Half-life) | Radioactivity Density of Sample (Bq/cm$^3$) | | | | | | |
| I-131 (approx 8 days) | ND | ND | ND | ND | | ND | ND |
| Cs-134 (approx 2 years) | ND | ND | 1.3E-01 | 7.7E-02 | | 1.4E-01 | ND |
| Cs-137 (approx 30 years) | ND | ND | 1.3E-01 | 9.4E-02 | | 2.6E-01 | ND |
| Te-129 (approx 70 minutes) | ND | ND | ND | ND | | ND | A |
| Te-129m (approx 34days) | ND | ND | ND | ND | | ND | ND |
| Cs-136 (approx 13 days) | ND | ND | ND | ND | | ND | ND |
| Ba-140 (approx 13 days) | ND | ND | 4.8E-02 | ND | | ND | ND |

※ ○.○E-○ means ○.○×１０$^{-○}$

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 2E-2Bq/cm3, Cs-134: approx.3E-2Bq/cm3, Cs-137: approx. 4E-2Bq/cm3). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

## [Final] Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

| Place of sampling | Southeast, T/B, Unit 4, Fukushima Daiichi | Northeast, Process Main Building, Fukushima Daiichi | Southeast, Process Main Building, Fukushima Daiichi | South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi | Southwest, On-site Bunker Building, Fukushima Daiichi | West, Incineration Workshop Building | North, Misc Solid Waste Volume Reduction Treatment Building , Fukushima Daiichi |
|---|---|---|---|---|---|---|---|
| Time and Date of Sample Collection | 2011/7/6 11:47 am | 2011/7/6 11:59 am | 2011/7/6 12:22 am | 2011/7/6 12:38 am | Not Eligible | 2011/7/6 12:31pm | 2011/7/6 12:47 pm |
| Detected Nuclides (Half-life) | Radioactivity Density of Sample (Bq/cm$^3$) | | | | | | |
| I-131 (approx 8 days) | ND | ND | ND | ND | | ND | ND |
| Cs-134 (approx 2 years) | ND | ND | ND | 7.1E-02 | | 5.3E-01 | ND |
| Cs-137 (approx 30 years) | ND | ND | ND | 1.2E-01 | | 5.7E-01 | ND |
| Te-129 (approx 70 minutes) | ND | ND | ND | ND | | ND | A |
| Te-129m (approx 34days) | ND | ND | ND | ND | | ND | ND |
| Cs-136 (approx 13 days) | ND | ND | ND | ND | | ND | ND |
| Ba-140 (approx 13 days) | ND | ND | ND | ND | | ND | ND |

※ ○.○E-○ means ○.○×１０$^{-○}$

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 2E-2Bq/cm3, Cs-134: approx.3E-2Bq/cm3, Cs-137: approx. 4E-2Bq/cm3). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

## [Final] Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

| Place of sampling | Southeast, T/B, Unit 4, Fukushima Daiichi | Northeast, Process Main Building, Fukushima Daiichi | Southeast, Process Main Building, Fukushima Daiichi | South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi | Southwest, On-site Bunker Building, Fukushima Daiichi | West, Incineration Workshop Building | North, Misc Solid Waste Volume Reduction Treatment Building , Fukushima Daiichi |
|---|---|---|---|---|---|---|---|
| Time and Date of Sample Collection | 2011/7/7 11:08 am | 2011/7/7 11:13 am | 2011/7/7 11:18 am | 2011/7/7 11:27 am | Not Eligible | 2011/7/7 11:23 am | 2011/7/7 11:33 am |
| Detected Nuclides (Half-life) | Radioactivity Density of Sample (Bq/cm$^3$) | | | | | | |
| I-131 (approx 8 days) | ND | ND | ND | ND | | ND | ND |
| Cs-134 (approx 2 years) | ND | ND | ND | ND | | 4.1E-01 | 4.3E-02 |
| Cs-137 (approx 30 years) | ND | ND | ND | ND | | 4.4E-01 | 5.5E-02 |
| Te-129 (approx 70 minutes) | ND | ND | ND | ND | | ND | A |
| Te-129m (approx 34days) | ND | ND | ND | ND | | ND | ND |
| Cs-136 (approx 13 days) | ND | ND | ND | ND | | ND | ND |
| Ba-140 (approx 13 days) | ND | ND | ND | ND | | ND | ND |

※ ○.○E-○ means ○.○×１０$^{-○}$

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 2E-2Bq/cm3, Cs-134: approx.3E-2Bq/cm3, Cs-137: approx. 4E-2Bq/cm3). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

## [Final] Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

| Place of sampling | Southeast, T/B, Unit 4, Fukushima Daiichi | Northeast, Process Main Building, Fukushima Daiichi | Southeast, Process Main Building, Fukushima Daiichi | South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi | Southwest, On-site Bunker Building, Fukushima Daiichi | West, Incineration Workshop Building | North, Misc Solid Waste Volume Reduction Treatment Building , Fukushima Daiichi |
|---|---|---|---|---|---|---|---|
| Time and Date of Sample Collection | 2011/7/8 11:32 am | 2011/7/8 11:37 am | 2011/7/8 11:42 am | 2011/7/8 11:50 am | Not Eligible | 2011/7/8 11:46 am | 2011/7/8 11:56 am |
| Detected Nuclides (Half-life) | Radioactivity Density of Sample (Bq/cm$^3$) | | | | | | |
| I-131 (approx 8 days) | ND | ND | ND | ND | | ND | ND |
| Cs-134 (approx 2 years) | ND | ND | ND | ND | | 3.2E-01 | 3.6E-02 |
| Cs-137 (approx 30 years) | ND | ND | ND | ND | | 3.5E-01 | 4.9E-02 |
| Te-129 (approx 70 minutes) | ND | ND | ND | ND | | ND | A |
| Te-129m (approx 34days) | ND | ND | ND | ND | | ND | ND |
| Cs-136 (approx 13 days) | ND | ND | ND | ND | | ND | ND |
| Ba-140 (approx 13 days) | ND | ND | ND | ND | | ND | ND |

※ ○.○E-○ means ○.○×１０$^{-○}$

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 2E-2Bq/cm3, Cs-134: approx.3E-2Bq/cm3, Cs-137: approx. 4E-2Bq/cm3). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

## [Final] Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

| Place of sampling | Southeast, T/B, Unit 4, Fukushima Daiichi | Northeast, Process Main Building, Fukushima Daiichi | Southeast, Process Main Building, Fukushima Daiichi | South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi | Southwest, On-site Bunker Building, Fukushima Daiichi | West, Incineration Workshop Building | North, Misc Solid Waste Volume Reduction Treatment Building , Fukushima Daiichi |
|---|---|---|---|---|---|---|---|
| Time and Date of Sample Collection | 2011/7/9 10:59 am | 2011/7/9 11:05 am | 2011/7/9 11:09 am | 2011/7/9 11:18 am | Not Eligible | 2011/7/9 11:15 am | 2011/7/9 11:24 am |
| Detected Nuclides (Half-life) | Radioactivity Density of Sample (Bq/cm$^3$) | | | | | | |
| I-131 (approx 8 days) | ND | ND | ND | ND | | ND | ND |
| Cs-134 (approx 2 years) | ND | ND | ND | 8.1E-02 | | 5.0E-01 | ND |
| Cs-137 (approx 30 years) | ND | ND | ND | 8.2E-02 | | 5.7E-01 | ND |
| Te-129 (approx 70 minutes) | ND | ND | ND | ND | | ND | A |
| Te-129m (approx 34days) | ND | ND | ND | ND | | ND | ND |
| Cs-136 (approx 13 days) | ND | ND | ND | ND | | ND | ND |
| Ba-140 (approx 13 days) | ND | ND | ND | ND | | ND | ND |

※ ○.○E-○ means ○.○×１０$^{-○}$

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 2E-2Bq/cm3, Cs-134: approx.3E-2Bq/cm3, Cs-137: approx. 4E-2Bq/cm3). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

## [Final] Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

| Place of sampling | Southeast, T/B, Unit 4, Fukushima Daiichi | Northeast, Process Main Building, Fukushima Daiichi | Southeast, Process Main Building, Fukushima Daiichi | South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi | Southwest, On-site Bunker Building, Fukushima Daiichi | West, Incineration Workshop Building | North, Misc Solid Waste Volume Reduction Treatment Building , Fukushima Daiichi |
|---|---|---|---|---|---|---|---|
| Time and Date of Sample Collection | 2011/7/10 12:47 am | 2011/7/10 12:53 am | 2011/7/10 12:56 am | 2011/7/10 13:05 am | Not Eligible | 2011/7/10 13:02 am | 2011/7/10 13:13 am |
| Detected Nuclides (Half-life) | Radioactivity Density of Sample (Bq/cm$^3$) | | | | | | |
| I-131 (approx 8 days) | ND | ND | ND | ND | | ND | ND |
| Cs-134 (approx 2 years) | ND | ND | ND | ND | | 2.7E-01 | ND |
| Cs-137 (approx 30 years) | ND | ND | ND | ND | | 3.2E-01 | ND |
| Te-129 (approx 70 minutes) | ND | ND | ND | ND | | ND | ND |
| Te-129m (approx 34days) | ND | ND | ND | ND | | ND | ND |
| Cs-136 (approx 13 days) | ND | ND | ND | ND | | ND | ND |
| Ba-140 (approx 13 days) | ND | ND | ND | ND | | ND | ND |

※ ○.○E-○ means ○.○×１０$^{-○}$

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 2E-2Bq/cm3, Cs-134: approx.3E-2Bq/cm3, Cs-137: approx. 4E-2Bq/cm3). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

## [Final] Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

| Place of sampling | Southeast, T/B, Unit 4, Fukushima Daiichi | Northeast, Process Main Building, Fukushima Daiichi | Southeast, Process Main Building, Fukushima Daiichi | South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi | Southwest, On-site Bunker Building, Fukushima Daiichi | West, Incineration Workshop Building | North, Misc Solid Waste Volume Reduction Treatment Building , Fukushima Daiichi |
|---|---|---|---|---|---|---|---|
| Time and Date of Sample Collection | 2011/7/11 12:15 am | 2011/7/11 12:20 am | 2011/7/11 12:24 am | 2011/7/11 12:38 am | 2011/7/11 12:30 am | 2011/7/11 12:34 am | 2011/7/11 12:46 am |
| Detected Nuclides (Half-life) | Radioactivity Density of Sample (Bq/cm$^3$) | | | | | | |
| I-131 (approx 8 days) | ND | ND | ND | ND | ND | ND | ND |
| Cs-134 (approx 2 years) | ND | ND | ND | 8.0E-02 | ND | 5.3E-01 | 2.8E-02 |
| Cs-137 (approx 30 years) | ND | ND | ND | 1.2E-01 | ND | 5.8E-01 | 5.1E-02 |
| Te-129 (approx 70 minutes) | ND | ND | ND | ND | ND | ND | ND |
| Te-129m (approx 34days) | ND | ND | ND | ND | ND | ND | ND |
| Cs-136 (approx 13 days) | ND | ND | ND | ND | ND | ND | ND |
| Ba-140 (approx 13 days) | ND | ND | ND | ND | ND | ND | ND |

※ ○.○E-○ means ○.○×１０$^{-○}$

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 2E-2Bq/cm3, Cs-134: approx.3E-2Bq/cm3, Cs-137: approx. 4E-2Bq/cm3). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

## [Final] Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

| Place of sampling | Southeast, T/B, Unit 4, Fukushima Daiichi | Northeast, Process Main Building, Fukushima Daiichi | Southeast, Process Main Building, Fukushima Daiichi | South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi | Southwest, On-site Bunker Building, Fukushima Daiichi | West, Incineration Workshop Building | North, Misc Solid Waste Volume Reduction Treatment Building , Fukushima Daiichi |
|---|---|---|---|---|---|---|---|
| Time and Date of Sample Collection | 2011/7/12 11:16 am | 2011/7/12 11:22 am | 2011/7/12 11:27 am | 2011/7/12 11:35 am | Not Eligible | 2011/7/12 11:32 am | 2011/7/12 11:42 am |
| Detected Nuclides (Half-life) | Radioactivity Density of Sample (Bq/cm$^3$) | | | | | | |
| I-131 (approx 8 days) | ND | ND | ND | ND | | ND | ND |
| Cs-134 (approx 2 years) | ND | ND | ND | 4.3E-02 | | 3.1E-01 | ND |
| Cs-137 (approx 30 years) | ND | ND | ND | 3.9E-02 | | 3.4E-01 | ND |
| Te-129 (approx 70 minutes) | ND | ND | ND | ND | | ND | ND |
| Te-129m (approx 34days) | ND | ND | ND | ND | | ND | ND |
| Cs-136 (approx 13 days) | ND | ND | ND | ND | | ND | ND |
| Ba-140 (approx 13 days) | ND | ND | ND | ND | | ND | ND |

※ ○.○E-○ means ○.○×１０$^{-○}$

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 2E-2Bq/cm3, Cs-134: approx.3E-2Bq/cm3, Cs-137: approx. 4E-2Bq/cm3). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

## [Final] Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

| Place of sampling | Southeast, T/B, Unit 4, Fukushima Daiichi | Northeast, Process Main Building, Fukushima Daiichi | Southeast, Process Main Building, Fukushima Daiichi | South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi | Southwest, On-site Bunker Building, Fukushima Daiichi | West, Incineration Workshop Building | North, Misc Solid Waste Volume Reduction Treatment Building , Fukushima Daiichi |
|---|---|---|---|---|---|---|---|
| Time and Date of Sample Collection | 2011/7/13 11:49 am | 2011/7/13 11:56 am | 2011/7/13 12:09 pm | 2011/7/13 12:20 pm | Not Eligible | 2011/7/13 12:15 pm | 2011/7/13 12:40 pm |
| Detected Nuclides (Half-life) | Radioactivity Density of Sample (Bq/cm$^3$) | | | | | | |
| I-131 (approx 8 days) | ND | ND | ND | ND | | ND | ND |
| Cs-134 (approx 2 years) | ND | 4.9E-02 | ND | 8.1E-02 | | 4.8E-01 | ND |
| Cs-137 (approx 30 years) | ND | 3.7E-02 | ND | 8.3E-02 | | 5.2E-01 | ND |
| Te-129 (approx 70 minutes) | ND | ND | ND | ND | | ND | ND |
| Te-129m (approx 34days) | ND | ND | ND | ND | | ND | ND |
| Cs-136 (approx 13 days) | ND | ND | ND | ND | | ND | ND |
| Ba-140 (approx 13 days) | ND | ND | ND | ND | | ND | ND |

※ ○.○E-○ means ○.○×１０$^{-○}$

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 2E-2Bq/cm3, Cs-134: approx.3E-2Bq/cm3, Cs-137: approx. 4E-2Bq/cm3). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

## [Final] Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

| Place of sampling | Southeast, T/B, Unit 4, Fukushima Daiichi | Northeast, Process Main Building, Fukushima Daiichi | Southeast, Process Main Building, Fukushima Daiichi | South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi | Southwest, On-site Bunker Building, Fukushima Daiichi | West, Incineration Workshop Building | North, Misc Solid Waste Volume Reduction Treatment Building , Fukushima Daiichi |
|---|---|---|---|---|---|---|---|
| Time and Date of Sample Collection | 2011/7/14 11:22 am | 2011/7/14 11:27 am | 2011/7/14 11:32 am | 2011/7/14 11:42 am | Not Eligible | 2011/7/14 11:39 am | 2011/7/14 11:49 am |
| Detected Nuclides (Half-life) | Radioactivity Density of Sample (Bq/cm$^3$) | | | | | | |
| I-131 (approx 8 days) | ND | ND | ND | ND | | ND | ND |
| Cs-134 (approx 2 years) | ND | 2.9E-02 | ND | ND | | 3.0E-01 | 4.1E-02 |
| Cs-137 (approx 30 years) | ND | ND | ND | 4.9E-02 | | 3.2E-01 | 3.5E-02 |
| Te-129 (approx 70 minutes) | ND | ND | ND | ND | | ND | ND |
| Te-129m (approx 34days) | ND | ND | ND | ND | | ND | ND |
| Cs-136 (approx 13 days) | ND | ND | ND | ND | | ND | ND |
| Ba-140 (approx 13 days) | ND | ND | ND | ND | | ND | ND |

※ ○.○E-○ means ○.○×１０$^{-○}$

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 2E-2Bq/cm3, Cs-134: approx.3E-2Bq/cm3, Cs-137: approx. 4E-2Bq/cm3). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

## [Final] Nuclide Analysis Results of Sub-drain Water in the Surroundings of "Centralized Radiation Waste Treatment Facility"

| Place of sampling | Southeast, T/B, Unit 4, Fukushima Daiichi | Northeast, Process Main Building, Fukushima Daiichi | Southeast, Process Main Building, Fukushima Daiichi | South, Misc Solid Waste Volume Reduction Treatment Building, Fukushima Daiichi | Southwest, On-site Bunker Building, Fukushima Daiichi | West, Incineration Workshop Building | North, Misc Solid Waste Volume Reduction Treatment Building , Fukushima Daiichi |
|---|---|---|---|---|---|---|---|
| Time and Date of Sample Collection | 2011/7/15 11:04 am | 2011/7/15 11:09 am | 2011/7/15 11:13 am | 2011/7/15 11:21 am | Not Eligible | 2011/7/15 11:17 am | 2011/7/15 11:25 am |
| Detected Nuclides (Half-life) | Radioactivity Density of Sample (Bq/cm$^3$) | | | | | | |
| I-131 (approx 8 days) | ND | ND | ND | ND | | 1.7E-02 | ND |
| Cs-134 (approx 2 years) | ND | ND | ND | 6.0E-02 | | 2.5E-01 | ND |
| Cs-137 (approx 30 years) | 3.5E-02 | ND | ND | 4.7E-02 | | 3.1E-01 | ND |
| Te-129 (approx 70 minutes) | ND | ND | ND | ND | | ND | ND |
| Te-129m (approx 34days) | ND | ND | ND | ND | | ND | ND |
| Cs-136 (approx 13 days) | ND | ND | ND | ND | | ND | ND |
| Ba-140 (approx 13 days) | ND | ND | ND | ND | | ND | ND |

※ ○.○E-○ means ○.○×１０$^{-○}$

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 2E-2Bq/cm3, Cs-134: approx.3E-2Bq/cm3, Cs-137: approx. 4E-2Bq/cm3). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

## 【Final】Results of Nuclide Analysis of Sub-drains at Fukushima Daiichi Nuclear Power Station

| Place of Sampling | Sub-drain of Unit1, Fukushima Daiichi | Sub-drain of Unit2, Fukushima Daiichi | Sub-drain of Unit3, Fukushima Daiichi | Sub-drain of Unit4, Fukushima Daiichi | Sub-drain of Unit5, Fukushima Daiichi | Sub-drain of Unit6, Fukushima Daiichi | Deep well, Fukushima Daiichi |
|---|---|---|---|---|---|---|---|
| Time and Date of Sample Collection | 2011/7/4 12:00 pm | 2011/7/4 11:53 am | 2011/7/4 11:40 am | 2011/7/4 11:23 am | 2011/7/4 11:30 am | 2011/7/4 11:23 am | 2011/7/4 10:05 am |
| Detected Nuclides (Half-life) | Radioactivity Density of Sample (Bq/$cm^3$) | | | | | | |
| I-131 (approx. 8 days) | ND | 1.3E-01 | ND | ND | ND | ND | ND |
| Cs-134 (approx. 2years) | 3.4E+00 | 9.6E+00 | 4.7E-02 | ND | ND | ND | ND |
| Cs-137 (approx. 30years) | 4.2E+00 | 1.2E+01 | 4.1E-02 | ND | ND | ND | ND |
| Nb-95 (approx. 35 days) | ND | ND | ND | ND | ND | ND | ND |
| Sb-125 (approx. 3years) | ND | ND | ND | ND | ND | ND | ND |
| Ag-110m (approx. 250 days) | 9.2E-02 | ND | ND | ND | ND | ND | ND |
| Te-129 (approx. 70minutes) | 5.9E-01 | ND | ND | ND | ND | ND | ND |
| Te-129m (approx. 34 days) | ND | ND | ND | ND | ND | ND | ND |
| Cs-136 (approx. 13 days) | ND | ND | ND | ND | ND | ND | ND |
| Ba-140 (approx. 13 days) | ND | ND | ND | ND | ND | ND | ND |
| La-140 (approx. 2 days) | ND | ND | ND | ND | ND | ND | ND |

※ ○.○E−○ means ○.○×１０$^{-○.}$

※ ND : when the detected amount is below the detection limit in this analysis (I-131: approx. 4E-2Bq/cm3, Cs-134: approx. 3E-2Bq/cm3, Cs-137: approx. 4E-2Bq/cm3). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

# 【Final】Results of Nuclide Analysis of Sub-drains at Fukushima Daiichi Nuclear Power Station

| Place of Sampling | Sub-drain of Unit1, Fukushima Daiichi | Sub-drain of Unit2, Fukushima Daiichi | Sub-drain of Unit3, Fukushima Daiichi | Sub-drain of Unit4, Fukushima Daiichi | Sub-drain of Unit5, Fukushima Daiichi | Sub-drain of Unit6, Fukushima Daiichi | Deep well, Fukushima Daiichi |
|---|---|---|---|---|---|---|---|
| Time and Date of Sample Collection | 2011/7/6 12:10 pm | 2011/7/6 12:02 pm | 2011/7/6 1:05 pm | 2011/7/6 11:47 am | 2011/7/6 11:52 am | 2011/7/6 11:45 am | 2011/7/6 9:40 am |
| Detected Nuclides (Half-life) | Radioactivity Density of Sample (Bq/cm$^3$) | | | | | | |
| I-131 (approx. 8 days) | ND | 1.6E-01 | ND | ND | ND | ND | ND |
| Cs-134 (approx. 2years) | 4.6E+00 | 1.1E+01 | 1.7E-01 | ND | ND | ND | ND |
| Cs-137 (approx. 30years) | 5.5E+00 | 1.3E+01 | 1.8E-01 | ND | ND | ND | ND |
| Nb-95 (approx. 35 days) | ND | ND | ND | ND | ND | ND | ND |
| Sb-125 (approx. 3years) | ND | ND | ND | ND | ND | ND | ND |
| Ag-110m (approx. 250 days) | 8.6E-02 | ND | ND | ND | ND | ND | ND |
| Te-129 (approx. 70minutes) | ND | ND | ND | ND | ND | ND | ND |
| Te-129m (approx. 34 days) | ND | ND | ND | ND | ND | ND | ND |
| Cs-136 (approx. 13 days) | ND | ND | ND | ND | ND | ND | ND |
| Ba-140 (approx. 13 days) | ND | ND | ND | ND | ND | ND | ND |
| La-140 (approx. 2 days) | ND | ND | ND | ND | ND | ND | ND |

※ ○.○E−○ means ○.○×１０$^{-○}$.

※ ND : when the detected amount is below the detection limit in this analysis (I-131: approx. 5E-2Bq/cm3, Cs-134: approx. 3E-2Bq/cm3, Cs-137: approx. 4E-2Bq/cm3). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

## 【Final】Results of Nuclide Analysis of Sub-drains at Fukushima Daiichi Nuclear Power Station

| Place of Sampling | Sub-drain of Unit1, Fukushima Daiichi | Sub-drain of Unit2, Fukushima Daiichi | Sub-drain of Unit3, Fukushima Daiichi | Sub-drain of Unit4, Fukushima Daiichi | Sub-drain of Unit5, Fukushima Daiichi | Sub-drain of Unit6, Fukushima Daiichi | Deep well, Fukushima Daiichi |
|---|---|---|---|---|---|---|---|
| Time and Date of Sample Collection | 2011/7/8 11:50 am | 2011/7/8 11:55 am | 2011/7/8 12:00 pm | 2011/7/8 11:32 am | 2011/7/8 11:35 am | 2011/7/8 11:30 am | 2011/7/8 9:55 am |
| Detected Nuclides (Half-life) | Radioactivity Density of Sample (Bq/cm$^3$) | | | | | | |
| I-131 (approx. 8 days) | ND | 7.8E-02 | ND | ND | ND | ND | ND |
| Cs-134 (approx. 2years) | 3.8E+00 | 1.1E+01 | 5.5E-02 | ND | ND | ND | ND |
| Cs-137 (approx. 30years) | 4.7E+00 | 1.3E+01 | 6.1E-02 | ND | ND | ND | ND |
| Nb-95 (approx. 35 days) | ND | ND | ND | ND | ND | ND | ND |
| Sb-125 (approx. 3years) | ND | ND | ND | ND | ND | ND | ND |
| Ag-110m (approx. 250 days) | 7.0E-02 | ND | ND | ND | ND | ND | ND |
| Te-129 (approx. 70minutes) | ND | ND | ND | ND | ND | ND | ND |
| Te-129m (approx. 34 days) | ND | ND | ND | ND | ND | ND | ND |
| Cs-136 (approx. 13 days) | ND | ND | ND | ND | ND | ND | ND |
| Ba-140 (approx. 13 days) | ND | ND | ND | ND | ND | ND | ND |
| La-140 (approx. 2 days) | ND | ND | ND | ND | ND | ND | ND |

※ ○.○E−○ means ○.○×１０$^{-○.}$

※ ND : when the detected amount is below the detection limit in this analysis (I-131: approx. 5E-2Bq/cm3, Cs-134: approx. 3E-2Bq/cm3, Cs-137: approx. 4E-2Bq/cm3). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

## 【Final】Results of Nuclide Analysis of Sub-drains at Fukushima Daiichi Nuclear Power Station

| Place of Sampling | Sub-drain of Unit1, Fukushima Daiichi | Sub-drain of Unit2, Fukushima Daiichi | Sub-drain of Unit3, Fukushima Daiichi | Sub-drain of Unit4, Fukushima Daiichi | Sub-drain of Unit5, Fukushima Daiichi | Sub-drain of Unit6, Fukushima Daiichi | Deep well, Fukushima Daiichi |
|---|---|---|---|---|---|---|---|
| Time and Date of Sample Collection | 2011/7/11 12:45 pm | 2011/7/11 12:49 pm | 2011/7/11 12:55 pm | 2011/7/11 12:15 pm | 2011/7/11 12:34 pm | 2011/7/11 12:27 pm | 2011/7/11 7:37 am |
| Detected Nuclides (Half-life) | Radioactivity Density of Sample (Bq/$cm^3$) | | | | | | |
| I-131 (approx. 8 days) | ND | ND | ND | ND | ND | ND | ND |
| Cs-134 (approx. 2years) | 2.3E+00 | 9.9E+00 | 6.7E-02 | ND | ND | ND | ND |
| Cs-137 (approx. 30years) | 2.8E+00 | 1.2E+01 | 8.4E-02 | ND | ND | ND | ND |
| Nb-95 (approx. 35 days) | ND | ND | ND | ND | ND | ND | ND |
| Sb-125 (approx. 3years) | ND | ND | ND | ND | ND | ND | ND |
| Ag-110m (approx. 250 days) | 3.6E-02 | ND | ND | ND | ND | ND | ND |
| Te-129 (approx. 70minutes) | ND | ND | ND | ND | ND | ND | ND |
| Te-129m (approx. 34 days) | ND | ND | ND | ND | ND | ND | ND |
| Cs-136 (approx. 13 days) | ND | ND | ND | ND | ND | ND | ND |
| Ba-140 (approx. 13 days) | ND | ND | ND | ND | ND | ND | ND |
| La-140 (approx. 2 days) | ND | ND | ND | ND | ND | ND | ND |

※ ○.○E−○ means ○.○×１０$^{-○.}$

※ ND : when the detected amount is below the detection limit in this analysis (I-131: approx. 7E-2Bq/cm3, Cs-134: approx. 3E-2Bq/cm3, Cs-137: approx. 4E-2Bq/cm3). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

## 【Final】Results of Nuclide Analysis of Sub-drains at Fukushima Daiichi Nuclear Power Station

| Place of Sampling | Sub-drain of Unit1, Fukushima Daiichi | Sub-drain of Unit2, Fukushima Daiichi | Sub-drain of Unit3, Fukushima Daiichi | Sub-drain of Unit4, Fukushima Daiichi | Sub-drain of Unit5, Fukushima Daiichi | Sub-drain of Unit6, Fukushima Daiichi | Deep well, Fukushima Daiichi |
|---|---|---|---|---|---|---|---|
| Time and Date of Sample Collection | 2011/7/13 12:45 pm | 2011/7/13 12:50 pm | 2011/7/13 1:00 pm | 2011/7/13 11:49 am | 2011/7/13 12:40 pm | 2011/7/13 12:25 pm | 2011/7/13 9:40 am |
| Detected Nuclides (Half-life) | Radioactivity Density of Sample (Bq/$cm^3$) | | | | | | |
| I-131 (approx. 8 days) | ND | ND | ND | ND | ND | ND | ND |
| Cs-134 (approx. 2years) | 1.8E+00 | 1.0E+01 | ND | ND | ND | ND | ND |
| Cs-137 (approx. 30years) | 2.3E+00 | 1.3E+01 | 4.1E-02 | ND | ND | ND | ND |
| Nb-95 (approx. 35 days) | ND | ND | ND | ND | ND | ND | ND |
| Sb-125 (approx. 3years) | ND | ND | ND | ND | ND | ND | ND |
| Ag-110m (approx. 250 days) | ND | ND | ND | ND | ND | ND | ND |
| Te-129 (approx. 70minutes) | ND | ND | ND | ND | ND | ND | ND |
| Te-129m (approx. 34 days) | ND | ND | ND | ND | ND | ND | ND |
| Cs-136 (approx. 13 days) | ND | ND | ND | ND | ND | ND | ND |
| Ba-140 (approx. 13 days) | ND | ND | ND | ND | ND | ND | ND |
| La-140 (approx. 2 days) | ND | ND | ND | ND | ND | ND | ND |

※ ○.○E−○ means ○.○×１０$^{-○}$.

※ ND : when the detected amount is below the detection limit in this analysis (I-131: approx. 8E-2Bq/cm3, Cs-134: approx. 3E-2Bq/cm3, Cs-137: approx. 4E-2Bq/cm3). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

## 【Final】Results of Nuclide Analysis of Sub-drains at Fukushima Daiichi Nuclear Power Station

| Place of Sampling | Sub-drain of Unit1, Fukushima Daiichi | Sub-drain of Unit2, Fukushima Daiichi | Sub-drain of Unit3, Fukushima Daiichi | Sub-drain of Unit4, Fukushima Daiichi | Sub-drain of Unit5, Fukushima Daiichi | Sub-drain of Unit6, Fukushima Daiichi | Deep well, Fukushima Daiichi |
|---|---|---|---|---|---|---|---|
| Time and Date of Sample Collection | 2011/7/15 12:08 pm | 2011/7/15 12:12 pm | 2011/7/15 12:16 pm | 2011/7/15 11:04 am | 2011/7/15 12:02 pm | 2011/7/15 11:56 am | 2011/7/15 9:55 am |
| Detected Nuclides (Half-life) | Radioactivity Density of Sample (Bq/$cm^3$) | | | | | | |
| I-131 (approx. 8 days) | ND | ND | ND | ND | ND | ND | ND |
| Cs-134 (approx. 2years) | 1.1E+00 | 1.0E+01 | 5.6E-02 | ND | ND | ND | ND |
| Cs-137 (approx. 30years) | 1.4E+00 | 1.2E+01 | 5.7E-02 | 3.5E-02 | ND | ND | ND |
| Nb-95 (approx. 35 days) | ND | ND | ND | ND | ND | ND | ND |
| Sb-125 (approx. 3years) | ND | ND | ND | ND | ND | ND | ND |
| Ag-110m (approx. 250 days) | ND | ND | ND | ND | ND | ND | ND |
| Te-129 (approx. 70minutes) | ND | ND | ND | ND | ND | ND | ND |
| Te-129m (approx. 34 days) | ND | ND | ND | ND | ND | ND | ND |
| Cs-136 (approx. 13 days) | ND | ND | ND | ND | ND | ND | ND |
| Ba-140 (approx. 13 days) | ND | ND | ND | ND | ND | ND | ND |
| La-140 (approx. 2 days) | ND | ND | ND | ND | ND | ND | ND |

※ ○.○E−○ means ○.○×１０$^{-○.}$

※ ND : when the detected amount is below the detection limit in this analysis (I-131: approx. 7E-2Bq/cm3, Cs-134: approx. 3E-2Bq/cm3, Cs-137: approx. 4E-2Bq/cm3). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

# 【Final】 Result of Nuclide Analysis of Seawater <Offshore of Ibaraki Prefecture 1/2>

| Place of Sampling | 3km offshore of Takadokobama shore Upper Layer | | 3km offshore of Takadokobama shore Lawer Layer | | 3km offshore of Kijihama shore Upper Layer | | 3km offshore of Kijihama shore Lower Layer | | 3km offshore of Oarai shore Upper Layer | | 3km offshore of Oarai shore Lawer Layer | | ②Density limit by the annoucemnet 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 and Date of Sample Collection | 2011/7/1 7:52 am | | 2011/7/1 7:50 am | | 2011/7/1 8:40 am | | 2011/7/1 8:38 am | | 2011/7/1 8:26 am | | 2011/7/1 8:29 am | | |
| Detected Nuclides (Half Time) | 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 | - | ND | - | 40 |
| Cs-134 (approx 2years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (approx 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (approx 66hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (approx 6hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (approx 34days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (approx 70minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (approx 3days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (approx 2hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (approx 13days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (approx 13days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (approx 2days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ Density by the announcement of Reactor Regulation is stated with an amount converted from $Bq/cm^3$ 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

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 7Bq/L, Cs-134: approx.17Bq/L, Cs-137: approx. 16Bq/L). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

# 【Final】 Result of Nuclide Analysis of Seawater <Offshore of Ibaraki Prefecture 2/2>

| Place of Sampling | 3km offshore of Hirai shore Upper Layer | | 3km offshore of Hirai shore Lower Layer | | 3km offshore of Hasaki shore Upper Layer | | 3km offshore of Hasaki shore Lower Layer | | | | | | ②Density limit by the annoucemnet 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 and Date of Sample Collection | 2011/7/1 1:19 pm | | 2011/7/1 1:21 pm | | 2011/7/1 7:35 am | | 2011/7/1 7:41 am | | | | | | |
| Detected Nuclides (Half Time) | 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 2years) | ND | - | ND | - | ND | - | ND | - | | | | | 60 |
| Cs-137 (approx 30years) | ND | - | ND | - | ND | - | ND | - | | | | | 90 |
| Mo-99 (approx 66hours) | ND | - | ND | - | ND | - | ND | - | | | | | 40,000 |
| Tc-99m (approx 6hours) | ND | - | ND | - | ND | - | ND | - | | | | | 40,000 |
| Te-129m (approx 34days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| Te-129 (approx 70minutes) | ND | - | ND | - | ND | - | ND | - | | | | | 10,000 |
| Te-132 (approx 3days) | ND | - | ND | - | ND | - | ND | - | | | | | 200 |
| I-132 (approx 2hours) | ND | - | ND | - | ND | - | ND | - | | | | | 3,000 |
| Cs-136 (approx 13days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| Ba-140 (approx 13days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| La-140 (approx 2days) | ND | - | ND | - | ND | - | ND | - | | | | | 400 |

※ Density by the announcement of Reactor Regulation is stated with an amount converted from $Bq/cm^3$ 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

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 6Bq/L, Cs-134: approx.17Bq/L, Cs-137: approx. 16Bq/L). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

# 【Final】 Result of Nuclide Analysis of Seawater <Offshore of Ibaraki Prefecture 1/2>

| Place of Sampling | 3km offshore of Takadokobama shore Upper Layer | | 3km offshore of Takadokobama shore Lawer Layer | | 3km offshore of Kijihama shore Upper Layer | | 3km offshore of Kijihama shore Lower Layer | | 3km offshore of Oarai shore Upper Layer | | 3km offshore of Oarai shore Lawer Layer | | ②Density limit by the annoucemnet 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 and Date of Sample Collection | 2011/7/5 7:44 am | | 2011/7/5 7:42 am | | 2011/7/6 8:14 am | | 2011/7/6 8:12 am | | 2011/7/6 11:27 am | | 2011/7/6 11:23 am | | |
| Detected Nuclides (Half Time) | 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 | - | ND | - | 40 |
| Cs-134 (approx 2years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (approx 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (approx 66hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (approx 6hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (approx 34days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (approx 70minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (approx 3days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (approx 2hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (approx 13days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (approx 13days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (approx 2days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ Density by the announcement of Reactor Regulation is stated with an amount converted from $Bq/cm^3$ 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

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 7Bq/L, Cs-134: approx.16Bq/L, Cs-137: approx. 17Bq/L). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

# 【Final】 Result of Nuclide Analysis of Seawater <Offshore of Ibaraki Prefecture 2/2>

| Place of Sampling | 3km offshore of Hirai shore Upper Layer | | 3km offshore of Hirai shore Lower Layer | | 3km offshore of Hasaki shore Upper Layer | | 3km offshore of Hasaki shore Lower Layer | | | | | | ②Density limit by the annoucemnet 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 and Date of Sample Collection | 2011/7/5 1:07 pm | | 2011/7/5 1:05 pm | | 2011/7/6 7:36 am | | 2011/7/6 7:40 am | | | | | | |
| Detected Nuclides (Half Time) | 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 2years) | ND | - | ND | - | ND | - | ND | - | | | | | 60 |
| Cs-137 (approx 30years) | ND | - | ND | - | ND | - | ND | - | | | | | 90 |
| Mo-99 (approx 66hours) | ND | - | ND | - | ND | - | ND | - | | | | | 40,000 |
| Tc-99m (approx 6hours) | ND | - | ND | - | ND | - | ND | - | | | | | 40,000 |
| Te-129m (approx 34days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| Te-129 (approx 70minutes) | ND | - | ND | - | ND | - | ND | - | | | | | 10,000 |
| Te-132 (approx 3days) | ND | - | ND | - | ND | - | ND | - | | | | | 200 |
| I-132 (approx 2hours) | ND | - | ND | - | ND | - | ND | - | | | | | 3,000 |
| Cs-136 (approx 13days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| Ba-140 (approx 13days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| La-140 (approx 2days) | ND | - | ND | - | ND | - | ND | - | | | | | 400 |

※ Density by the announcement of Reactor Regulation is stated with an amount converted from $Bq/cm^3$ 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

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 6Bq/L, Cs-134: approx.17Bq/L, Cs-137: approx. 16Bq/L). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

# 【Final】 Result of Nuclide Analysis of Seawater <Offshore of Ibaraki Prefecture 1/2>

| Place of Sampling | 3km offshore of Takadokobama shore Upper Layer | | 3km offshore of Takadokobama shore Lawer Layer | | 3km offshore of Kijihama shore Upper Layer | | 3km offshore of Kijihama shore Lower Layer | | 3km offshore of Oarai shore Upper Layer | | 3km offshore of Oarai shore Lawer Layer | | ②Density limit by the annoucemnet 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 and Date of Sample Collection | 2011/7/8 7:48 am | | 2011/7/8 7:46 am | | 2011/7/8 9:00 am | | 2011/7/8 8:58 am | | 2011/7/8 8:00 am | | 2011/7/8 7:59 am | | |
| Detected Nuclides (Half Time) | 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 | - | ND | - | 40 |
| Cs-134 (approx 2years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (approx 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (approx 66hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (approx 6hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (approx 34days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (approx 70minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (approx 3days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (approx 2hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (approx 13days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (approx 13days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (approx 2days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ Density by the announcement of Reactor Regulation is stated with an amount converted from $Bq/cm^3$ 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

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 7Bq/L, Cs-134: approx.17Bq/L, Cs-137: approx. 17Bq/L). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

# 【Final】 Result of Nuclide Analysis of Seawater <Offshore of Ibaraki Prefecture 2/2>

| Place of Sampling | 3km offshore of Hirai shore Upper Layer | | 3km offshore of Hirai shore Lower Layer | | 3km offshore of Hasaki shore Upper Layer | | 3km offshore of Hasaki shore Lower Layer | | | | | | ②Density limit by the annoucemnet 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 and Date of Sample Collection | 2011/7/8 1:36 pm | | 2011/7/8 1:35 pm | | 2011/7/8 7:39 am | | 2011/7/8 7:38 am | | | | | | |
| Detected Nuclides (Half Time) | 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 2years) | ND | - | ND | - | ND | - | ND | - | | | | | 60 |
| Cs-137 (approx 30years) | ND | - | ND | - | ND | - | ND | - | | | | | 90 |
| Mo-99 (approx 66hours) | ND | - | ND | - | ND | - | ND | - | | | | | 40,000 |
| Tc-99m (approx 6hours) | ND | - | ND | - | ND | - | ND | - | | | | | 40,000 |
| Te-129m (approx 34days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| Te-129 (approx 70minutes) | ND | - | ND | - | ND | - | ND | - | | | | | 10,000 |
| Te-132 (approx 3days) | ND | - | ND | - | ND | - | ND | - | | | | | 200 |
| I-132 (approx 2hours) | ND | - | ND | - | ND | - | ND | - | | | | | 3,000 |
| Cs-136 (approx 13days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| Ba-140 (approx 13days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| La-140 (approx 2days) | ND | - | ND | - | ND | - | ND | - | | | | | 400 |

※ Density by the announcement of Reactor Regulation is stated with an amount converted from $Bq/cm^3$ 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

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 7Bq/L, Cs-134: approx.17Bq/L, Cs-137: approx. 17Bq/L). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

# 【Final】 Result of Nuclide Analysis of Seawater <Offshore of Ibaraki Prefecture 1/2>

| Place of Sampling | 3km offshore of Takadokobama shore Upper Layer | | 3km offshore of Takadokobama shore Lawer Layer | | 3km offshore of Kijihama shore Upper Layer | | 3km offshore of Kijihama shore Lower Layer | | 3km offshore of Oarai shore Upper Layer | | 3km offshore of Oarai shore Lawer Layer | | ②Density limit by the annoucemnet 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 and Date of Sample Collection | 2011/7/12 7:37 am | | 2011/7/12 7:35 am | | 2011/7/13 8:33 am | | 2011/7/13 8:30 am | | 2011/7/13 7:50 am | | 2011/7/13 7:48 am | | |
| Detected Nuclides (Half Time) | 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 | - | ND | - | 40 |
| Cs-134 (approx 2years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (approx 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (approx 66hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (approx 6hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (approx 34days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (approx 70minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (approx 3days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (approx 2hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (approx 13days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (approx 13days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (approx 2days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ Density by the announcement of Reactor Regulation is stated with an amount converted from $Bq/cm^3$ 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

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 8Bq/L, Cs-134: approx.15Bq/L, Cs-137: approx. 16Bq/L). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

# 【Final】 Result of Nuclide Analysis of Seawater <Offshore of Ibaraki Prefecture 2/2>

| Place of Sampling | 3km offshore of Hirai shore Upper Layer | | 3km offshore of Hirai shore Lower Layer | | 3km offshore of Hasaki shore Upper Layer | | 3km offshore of Hasaki shore Lower Layer | | | | | | ②Density limit by the annoucemnet 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 and Date of Sample Collection | 2011/7/12 12:50 pm | | 2011/7/12 12:47 pm | | 2011/7/12 7:32 am | | 2011/7/12 7:30 am | | | | | | |
| Detected Nuclides (Half Time) | 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 2years) | ND | - | ND | - | ND | - | ND | - | | | | | 60 |
| Cs-137 (approx 30years) | ND | - | ND | - | ND | - | ND | - | | | | | 90 |
| Mo-99 (approx 66hours) | ND | - | ND | - | ND | - | ND | - | | | | | 40,000 |
| Tc-99m (approx 6hours) | ND | - | ND | - | ND | - | ND | - | | | | | 40,000 |
| Te-129m (approx 34days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| Te-129 (approx 70minutes) | ND | - | ND | - | ND | - | ND | - | | | | | 10,000 |
| Te-132 (approx 3days) | ND | - | ND | - | ND | - | ND | - | | | | | 200 |
| I-132 (approx 2hours) | ND | - | ND | - | ND | - | ND | - | | | | | 3,000 |
| Cs-136 (approx 13days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| Ba-140 (approx 13days) | ND | - | ND | - | ND | - | ND | - | | | | | 300 |
| La-140 (approx 2days) | ND | - | ND | - | ND | - | ND | - | | | | | 400 |

※ Density by the announcement of Reactor Regulation is stated with an amount converted from $Bq/cm^3$ 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

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 7Bq/L, Cs-134: approx.15Bq/L, Cs-137: approx. 16Bq/L). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

# 【Final】Result of Nuclide Analysis of Seawater＜Oggshore of Miyagi Prefecture 1/3＞

| Place of Sampling | Ishinomaki bay Upper Layer | | Ishinomaki bay Middle Layer | | Ishinomaki bay Lawer Layer | | Offshore of East side of Kinkasan Upper Layer | | Offshore of East side of Kinkasan Middle Layer | | Offshore of East side of Kinkasan Lower Layer | | ②Density limit by the annoucemnet 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 and Date of Sample Collection | 2011/7/6 10:47 am | | 2011/7/6 10:49 am | | 2011/7/6 10:40 am | | 2011/7/6 8:25 am | | 2011/7/6 8:32 am | | 2011/7/6 8:20 am | | |
| Detected Nuclides (Half Time) | 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 | - | ND | - | 40 |
| Cs-134 (approx 2years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (approx 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (approx 66hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (approx 6hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (approx 34days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (approx 70minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (approx 3days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (approx 2hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (approx 13days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (approx 13days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (approx 2days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ Density by the announcement of Reactor Regulation is stated with an amount converted from $Bq/cm^3$ 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

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 4Bq/L, Cs-134: approx.6Bq/L, Cs-137: approx. 6Bq/L). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

# 【Final】Result of Nuclide Analysis of Seawater＜Oggshore of Miyagi Prefecture 2/3＞

| Place of Sampling | Offshore of South side of Kinkasan Upper Layer | | Offshore of South side of Kinkasan Middle Layer | | Offshore of South side of Kinkasan Lower Layer | | Offshore of Shishigahama Upper Layer | | Offshore of Shishigahama Middle Layer | | Offshore of Shishigahama Lower Layer | | ②Density limit by the annoucemnet 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 and Date of Sample Collection | 2011/7/6 9:12 am | | 2011/7/6 9:22 am | | 2011/7/6 9:18 am | | 2011/7/6 9:30 am | | 2011/7/6 9:27 am | | 2011/7/6 9:23 am | | |
| Detected Nuclides (Half Time) | 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 | - | ND | - | 40 |
| Cs-134 (approx 2years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (approx 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (approx 66hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (approx 6hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (approx 34days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (approx 70minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (approx 3days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (approx 2hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (approx 13days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (approx 13days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (approx 2days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ Density by the announcement of Reactor Regulation is stated with an amount converted from $Bq/cm^3$ 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

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 4Bq/L, Cs-134: approx.6Bq/L, Cs-137: approx. 6Bq/L). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

# 【Final】Result of Nuclide Analysis of Seawater＜Oggshore of Miyagi Prefecture 3/3＞

| Place of Sampling | Central area of Sendai bay Upper Layer | | Central area of Sendai bay Middle Layer | | Central area of Sendai bay Lower Layer | | Offshore of Abukumagawa Upper Layer | | Offshore of Abukumagawa Middle Layer | | Offshore of Abukumagawa Lower Layer | | ②Density limit by the annoucemnet 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 and Date of Sample Collection | 2011/7/6 8:43 am | | 2011/7/6 8:41 am | | 2011/7/6 8:32 am | | 2011/7/6 7:30 am | | 2011/7/6 7:25 am | | 2011/7/6 7:20 am | | |
| Detected Nuclides (Half Time) | 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 | - | ND | - | 40 |
| Cs-134 (approx 2years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 60 |
| Cs-137 (approx 30years) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 90 |
| Mo-99 (approx 66hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Tc-99m (approx 6hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 40,000 |
| Te-129m (approx 34days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Te-129 (approx 70minutes) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 10,000 |
| Te-132 (approx 3days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 200 |
| I-132 (approx 2hours) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 3,000 |
| Cs-136 (approx 13days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| Ba-140 (approx 13days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 300 |
| La-140 (approx 2days) | ND | - | ND | - | ND | - | ND | - | ND | - | ND | - | 400 |

※ Density by the announcement of Reactor Regulation is stated with an amount converted from $Bq/cm^3$ 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

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 4Bq/L, Cs-134: approx.6Bq/L, Cs-137: approx. 7Bq/L). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

【Final】 Result of Nuclide Analysis on the ocean soil

| Place of sampling | Shallow Draft Quay | | |
|---|---|---|---|
| Date and Time of Sample Collection | 2011/7/12<br>9:35 am | | |
| Detected nuclide (half time) | Radioactivity density (Bq/kg) | | |
| I-131 (approx. 8days) | ND | | |
| Cs-134 (approx. 2years) | 130000 | | |
| Cs-137 (approx. 30years) | 150000 | | |
| Mn-54 (approx. 313days) | ND | | |
| Co-60 (approx. 5years) | ND | | |
| Te-129 (approx. 70 minutes) | ND | | |
| Te-129m (approx. 34days) | 6000 | | |
| Tc-99m (approx. 6hours) | ND | | |
| Cs-136 (approx. 13days) | ND | | |
| Ba-140 (approx. 13days) | ND | | |
| La-140 (approx. 2days) | 54 | | |

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 300Bq/kg). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.

【Final】 Result of Nuclide Analysis on the ocean soil

| 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 (appox. 330m south of 1-4u Discharge Channel) | Around North Discharge Channel of 2F (Around 3,4u Discharge Channel) (approx. 10 km from 1F) | Around Iwasawa Shore of 2F (appox. 7 km south of 1,2u Discharge Channel) (appox. 16 km from 1F) |
|---|---|---|---|---|
| Date and Time of Sample Collection | 2011/7/14 10:40 am | 2011/7/14 10:10 am | 2011/7/14 9:45 am | 2011/7/14 7:55 am |
| Detected nuclide (half time) | Radioactivity density (Bq/kg) | | | |
| I-131 (approx. 8days) | ND | ND | ND | ND |
| Cs-134 (approx. 2years) | 8700 | 1500 | 500 | 440 |
| Cs-137 (approx. 30years) | 9600 | 1700 | 570 | 490 |
| Mn-54 (approx. 313days) | 21 | ND | ND | ND |
| Co-60 (approx. 5years) | ND | ND | ND | ND |
| Te-129 (approx. 70 minutes) | ND | ND | ND | ND |
| Te-129m (approx. 34days) | ND | ND | ND | ND |
| Tc-99m (approx. 6hours) | ND | ND | ND | ND |
| Cs-136 (approx. 13days) | ND | ND | ND | ND |
| Ba-140 (approx. 13days) | ND | ND | ND | ND |
| La-140 (approx. 2days) | ND | ND | ND | ND |

※ND: in case the detected amount is below the detection limit in this analysis (I-131: approx. 30Bq/kg). Nuclide may be detected below the limit as the detection limit differs due to detector and sample condition.