

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

Reference

( Data summarized : August 10 )

| Place of Sampling             | 3 km offshore of Takadokobama shore Upper Layer |                          | 3 km offshore of Takadokobama shore Lower Layer |                          | 3 km offshore of Kujihama shore Upper Layer |                          | 3 km offshore of Kujihama shore Lower Layer |                          | 3 km offshore of Oarai shore Upper Layer |                          | 3 km offshore of Oarai shore Lower Layer |                          | Density limit by the announcement of Reactor Regulation (Bq/L)<br>(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              | Density of Sample (Bq/L) | Scaling Factor ( / )                            | Density of Sample (Bq/L) | Scaling Factor ( / )                        | Density of Sample (Bq/L) | Scaling Factor ( / )                        | Density of Sample (Bq/L) | Scaling Factor ( / )                     | Density of Sample (Bq/L) | Scaling Factor ( / )                     | Density of Sample (Bq/L) |  |
|                               | August 2, 2011<br>8:32 am                       |                          |   |                          |   |                          |   |                          |  |                          |  |                          |  |
|                               | August 2, 2011<br>8:30 am                       |                          |   |                          |   |                          |   |                          |  |                          |  |                          |  |
|                               | August 3, 2011<br>8:21 am                       |                          |   |                          |   |                          |   |                          |  |                          |  |                          |  |
|                               | August 3, 2011<br>8:19 am                       |                          |   |                          |   |                          |   |                          |  |                          |  |                          |  |
|                               | August 3, 2011<br>1:37 pm                       |                          |   |                          |   |                          |   |                          |  |                          |  |                          |  |
|                               | August 3, 2011<br>1:35 pm                       |                          |   |                          |   |                          |   |                          |  |                          |  |                          |  |
| Detected Nuclides (Half-life) | Density of Sample (Bq/L)                        | Scaling Factor ( / )     | Density of Sample (Bq/L)                        | Scaling Factor ( / )     | Density of Sample (Bq/L)                    | Scaling Factor ( / )     | Density of Sample (Bq/L)                    | Scaling Factor ( / )     | Density of Sample (Bq/L)                 | Scaling Factor ( / )     | Density of Sample (Bq/L)                 | Scaling Factor ( / )     |  |
| 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 30 years)       | ND  | -                        | ND  | -                        | ND  | -                        | ND  | -                        | ND                                       | -                        | ND                                       | -                        | 90   |

| Place of Sampling             | 3 km offshore of Hirai shore Upper Layer |                          | 3 km offshore of Hirai shore Lower Layer |                          | 3 km offshore of Hasaki shore Upper Layer |                          | 3 km offshore of Hasaki shore Lower Layer |                          |                          |                          |                          |                          | Density limit by the announcement of Reactor Regulation (Bq/L)<br>(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       | Density of Sample (Bq/L) | Scaling Factor ( / )                     | Density of Sample (Bq/L) | Scaling Factor ( / )                      | Density of Sample (Bq/L) | Scaling Factor ( / )                      | Density of Sample (Bq/L) | Scaling Factor ( / )     | Density of Sample (Bq/L) | Scaling Factor ( / )     | Density of Sample (Bq/L) |  |
|                               | August 2, 2011<br>1:43 pm                |                          |  |                          |   |                          |   |                          |                          |                          |                          |                          |  |
|                               | August 2, 2011<br>1:41 pm                |                          |  |                          |   |                          |   |                          |                          |                          |                          |                          |  |
|                               | August 2, 2011<br>7:32 am                |                          |  |                          |   |                          |   |                          |                          |                          |                          |                          |  |
|                               | August 2, 2011<br>7:31 am                |                          |  |                          |   |                          |   |                          |                          |                          |                          |                          |  |
| Detected Nuclides (Half-life) | Density of Sample (Bq/L)                 | Scaling Factor ( / )     | Density of Sample (Bq/L)                 | Scaling Factor ( / )     | Density of Sample (Bq/L)                  | Scaling Factor ( / )     | Density of Sample (Bq/L)                  | Scaling Factor ( / )     | Density of Sample (Bq/L) | Scaling Factor ( / )     | Density of Sample (Bq/L) | Scaling Factor ( / )     |  |
| I-131 (about 8 days)          | ND                                       | -                        | ND                                       | -                        | ND  | -                        | ND  | -                        |                          |                          |                          |                          | 40   |
| Cs-134 (about 2 years)        | ND                                       | -                        | ND                                       | -                        | ND  | -                        | ND  | -                        |                          |                          |                          |                          | 60   |
| Cs-137 (about 30 years)       | ND                                       | -                        | ND                                       | -                        | ND  | -                        | ND  | -                        |                          |                          |                          |                          | 90   |

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

Data of other nuclides are under evaluation.

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

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. 5Bq/L, Cs-134: approx. 6Bq/L, Cs-137: approx. 9Bq/L

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

Nuclide Analysis Result of Seawater <Offshore of Ibaraki Prefecture> 2/2

Reference

( Data summarized : August 10 )

| Place of Sampling                  | 3 km offshore of Takadokobama shore Upper Layer |                      | 3 km offshore of Takadokobama shore Lower Layer |                      | 3 km offshore of Kujihama shore Upper Layer |                      | 3 km offshore of Kujihama shore Lower Layer |                      | 3 km offshore of Oarai shore Upper Layer |                      | 3 km offshore of Oarai shore Lower Layer |                      | Density limit by the announcement of Reactor Regulation (Bq/L)<br>(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 | August 6, 2011<br>7:43 am                       |                      | August 6, 2011<br>7:40 am                       |                      | August 7, 2011<br>8:33 am                   |                      | August 7, 2011<br>8:30 am                   |                      | August 7, 2011<br>8:38 am                |                      | August 7, 2011<br>8:32 am                |                      |  |
| Detected Nuclides (Half-life)      | Density of Sample (Bq/L)                        | Scaling Factor ( / ) | Density of Sample (Bq/L)                        | Scaling Factor ( / ) | Density of Sample (Bq/L)                    | Scaling Factor ( / ) | Density of Sample (Bq/L)                    | Scaling Factor ( / ) | Density of Sample (Bq/L)                 | Scaling Factor ( / ) | Density of Sample (Bq/L)                 | Scaling Factor ( / ) |  |
| I-131 (about 8 days)               | ND  | -                    | ND  | -                    | ND  | -                    | ND  | -                    | ND                                       | -                    | ND                                       | -                    |  |
| Cs-134 (about 2 years)             | ND  | -                    | ND  | -                    | ND  | -                    | ND  | -                    | ND                                       | -                    | ND                                       | -                    | 60   |
| Cs-137 (about 30 years)            | ND  | -                    | ND  | -                    | ND  | -                    | ND  | -                    | ND                                       | -                    | ND                                       | -                    | 90   |

| Place of Sampling                  | 3 km offshore of Hirai shore Upper Layer |                      | 3 km offshore of Hirai shore Lower Layer |                      | 3 km offshore of Hasaki shore Upper Layer |                      | 3 km offshore of Hasaki shore Lower Layer |                      |                          |                      |                          |                      | Density limit by the announcement of Reactor Regulation (Bq/L)<br>(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 | August 6, 2011<br>1:49 pm                |                      | August 6, 2011<br>1:46 pm                |                      | August 6, 2011<br>7:32 am                 |                      | August 6, 2011<br>7:30 am                 |                      |                          |                      |                          |                      |  |
| Detected Nuclides (Half-life)      | Density of Sample (Bq/L)                 | Scaling Factor ( / ) | Density of Sample (Bq/L)                 | Scaling Factor ( / ) | Density of Sample (Bq/L)                  | Scaling Factor ( / ) | Density of Sample (Bq/L)                  | Scaling Factor ( / ) | Density of Sample (Bq/L) | Scaling Factor ( / ) | Density of Sample (Bq/L) | Scaling Factor ( / ) |  |
| I-131 (about 8 days)               | ND                                       | -                    | ND                                       | -                    | ND  | -                    | ND  | -                    |                          |                      |                          |                      |  |
| Cs-134 (about 2 years)             | ND                                       | -                    | ND                                       | -                    | ND  | -                    | ND  | -                    |                          |                      |                          |                      | 60   |
| Cs-137 (about 30 years)            | ND                                       | -                    | ND                                       | -                    | ND  | -                    | ND  | -                    |                          |                      |                          |                      | 90   |

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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