

## Nuclide Analysis Result of Seawater <Offshore of Ibaraki Prefecture>

Reference

(Data summarized on November 29)

| 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 of Sampling              | November 22, 2011<br>7:38                       | November 22, 2011<br>7:35                       | November 23, 2011<br>7:29                   | November 23, 2011<br>7:28                   | November 23, 2011<br>9:10                | November 23, 2011<br>9:08                |  |                          |                      |                          |                      |                          |                      |
| 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 of Sampling              | November 22, 2011<br>14:39               | November 22, 2011<br>14:37               | November 21, 2011<br>15:32                | November 21, 2011<br>15:30                | /                        |                      | /                        |                      | /                        |                      | /                        |                      |  |
| 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.

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

I-131: approx. 1.1Bq/L, Cs-134: approx. 1.5Bq/L, Cs-137: approx. 1.4Bq/L

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