

## Nuclide Analysis Results of Seawater <Coast>

Reference

(Data summarized on November 7)

| Place of Sampling             | North of Discharge Channel of 5-6u of 1F<br>(approx. 30m north of 5-6u discharge channel) |                      | Around South Discharge Channel of 1F<br>( approx. 330m south of 1-4u Discharge Channel) |                      | Around North Discharge Channel of 2F<br>( Around 3,4u Discharge Channel)<br>( approx. 10 km from 1F ) |                      | Around Iwasawa Shore of 2F<br>( approx. 7 km south of 1,2u Discharge Channel)<br>( approx. 16 km from 1F ) |                      | Density limit by the announcement of Reactor Regulation (Bq/L)<br><br>(the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2) |
|-------------------------------|---|----------------------|---|----------------------|---|----------------------|--|----------------------|--|
| Time of Sampling              | 2011/11/6<br>8:40   |                      | 2011/11/6<br>8:20   |                      | 2011/11/6<br>8:15   |                      | 2011/11/6<br>7:50  |                      |  |
| 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 ( / ) |  |
| I-131<br>(about 8 days)       | ND  | -                    | ND  | -                    | ND  | -                    | ND   | -                    | 40   |
| Cs-134<br>(about 2 years)     | 5.2   | 0.09                 | 7.8   | 0.13                 | ND  | -                    | ND   | -                    | 60   |
| Cs-137<br>(about 30 years)    | 5.9   | 0.07                 | 9.8   | 0.11                 | 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. 0.81Bq/L, Cs-134: approx. 0.95 Bq/L, Cs-137: approx. 1.0Bq/L

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

## Nuclide Analysis Results of Seawater <Offshore>

Reference

(Data summarized on November 7)

| Place of Sampling             | 15 km offshore of Minami-Souma City Upper layer |                      | 15 km offshore of Minami-Souma 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 |                      | 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) |
|-------------------------------|---|----------------------|---|----------------------|--|----------------------|--|----------------------|---|----------------------|---|----------------------|--|
|                               | N/A   |                      | N/A   |                      | 2011/11/5<br>9:25                        |                      | 2011/11/5<br>9:25                        |                      | 2011/11/5<br>8:40                               |                      | 2011/11/5<br>8:40                               |                      |  |
| 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   |

| 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-town Upper layer |                      | 15 km offshore of Hirono-town 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) |
|-------------------------------|---|----------------------|---|----------------------|---|----------------------|---|----------------------|---|----------------------|---|----------------------|--|
|                               | 2011/11/5<br>8:10                             |                      | 2011/11/5<br>8:10                             |                      | N/A   |                      | N/A   |                      | N/A                                       |                      | N/A                                       |                      |  |
| 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  | -                    | -   | -                    | -   | -                    | -   | -                    | -   | -                    | 40   |
| Cs-134 (about 2 years)        | ND  | -                    | ND  | -                    | -   | -                    | -   | -                    | -   | -                    | -   | -                    | 60   |
| Cs-137 (about 30 years)       | 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. 0.78Bq/L, Cs-134: approx. 0.90Bq/L, Cs-137: approx. 1.0Bq/L  
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.