

# Nuclide Analysis Results of Radioactive Materials in Seawater < coast and offshore >

Appendix

(Data summarized on November 19)

| 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) | 15 km offshore of Fukushima Daiichi Upper layer | 15 km offshore of Fukushima Daini Upper layer |  |                          |                      |                          |                      |
|-------------------------------|---|---|---|---|--|--------------------------|----------------------|--------------------------|----------------------|
| Date of sampling              | 2011/10/10  | 2011/10/10  | 2011/10/10                                      | 2011/10/10                                    | 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) |                          |                      |                          |                      |
| 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 (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                   |
| H-3 (about 12 years)          | ND  | -   | ND  | -   | ND   | -                        | ND                   | -                        | 60,000               |
| all $\alpha$                  | ND  | -   | ND  | -   | ND   | -                        | ND                   | -                        | -                    |
| all $\beta$                   | ND  | -   | ND  | -   | ND   | -                        | ND                   | -                        | -                    |

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

\* I-131 , Cs-134 , Cs-137 published on October 11.

( Evaluation )

No H-3 ,  $\alpha$  , and  $\beta$  detected.