

## Nuclide Analysis Results of Fish and Shelfish (The Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station)

Samples collected in the third quarter of FY2015

[Measurement results of Sr-90 (half-life approx. 29 years) in fish]

(Data summarized on March 9)

| Name of Sample (Region)          | Place of Sampling (Place No.)                       | Date of Sampling | Radioactivity Concentration [Bq/kg (Raw)]<br>(Half-life) |   |
|----------------------------------|---|------------------|--|---|
|                                  |   |                  | Sr-90*<br>(Approx. 29 years)                             | Reference (Total of<br>Cs-134 and Cs-137) |
| Japanese angel shark<br>(muscle) | Around 3km Offshore of Ukedo River (T-S3)           | Nov 18, 2015     | 0.031  | 83  |
| Japanese angel shark<br>(muscle) | Around 3km Offshore of Ukedo River (T-S3)           | Dec 10, 2015     | 0.11   | 86  |
| Japanese angel shark<br>(muscle) | Around 2km Offshore of Kido River (T-S5)            | Dec 18, 2015     | 0.047  | 41.4                                      |
| Banded houndshark<br>(muscle)    | Offshore 2km vicinity of Fukushima Daini NPS (T-S7) | Oct 16, 2015     | 0.093  | 43.3                                      |
| Microstomus achne<br>(muscle)    | Offshore 2km vicinity of Fukushima Daini NPS (T-S7) | Dec 18, 2015     | 0.80   | 62  |
|                                  |   |                  |  |   |
|                                  |   |                  |  |   |
|                                  |   |                  |  |   |
|                                  |   |                  |  |   |
|                                  |   |                  |  |   |

\* The sum of Cs-134 and Cs-137 radioactivity concentration as a standard value (since April 1, 2012) is 100 Bq/kg.

\* The Sr-90 analysis was conducted by THE GENERAL ENVIRONMENTAL TECHNOS CO., LTD.

\* The whole body of fish was subject to the measurement.

<Reference>

March 9, 2016

Tokyo Electric Power Company

Nuclide Analysis Results of Fish and Shellfish  
(The Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station)

Samples collected in the third quarter of FY2015

[Measurement results of Tritium (half-life approx. 12 years) in fish]

Place of Sampling (Place No.): Around 4km Offshore of Kumagawa (T-S8)

(Data summarized on March 9)

| Name of Sample<br>(Region) | Date of Sampling | Tritium concentration (Bq/L) |                              | Tritium concentration (Bq/kg (Raw)) |                              | Reference (Total of<br>Cs-134 and Cs-137)<br>(Bq/Kg) (Raw)) |
|----------------------------|------------------|------------------------------|------------------------------|-------------------------------------|------------------------------|---|
|                            |                  | Free Water Tritium           | Organically bound<br>Tritium | Free Water Tritium                  | Organically bound<br>Tritium |   |
| Flatfish (muscle)          | Oct 19, 2015     | 0.097                        | ND(0.27)                     | 0.078                               | ND(0.034)                    | 8.3   |
| Flatfish (muscle)          | Dec 7, 2015      | 0.081                        | ND(0.27)                     | 0.066                               | ND(0.034)                    | ND  |
|                            |                  |                              |                              |                                     |                              |   |

<Reference>

|   | Date of Sampling | Tritium concentration<br>(Bq/L) |
|---|------------------|---------------------------------|
| Around 4km Offshore<br>of Kumagawa (T-S8)<br>Seawater | Oct 18, 2015     | 0.090                           |
|   | Nov 11, 2015     | 0.090                           |
|   | Dec 6, 2015      | 0.081                           |

\* The sum of Cs-134 and Cs-137 radioactivity concentration as a standard value (since April 1, 2012) is 100 Bq/kg.

\* The Tritium analysis was conducted by Kyushu Environmental Evaluation Association.

\* The edible portion of fish (muscle) was subject to the measurement.

\* Free Water Tritium is the Tritium contained in the moisture of fish muscle, which is usually compared with the Tritium concentration in seawater where fish lives.

\* Organically bound Tritium is the Tritium contained in dried fish muscle, which represents the Tritium concentration in the vapor generated when dried fish is burned.

\* The measurement results are calculated to two significant figures.

\* "ND (not detected)" indicates that the value is less than a detection limit of radioactivity concentration. A detection limit of individual nuclide is provided in parenthesis.