Reference
October 5, 2017
Tokyo Electric Power Company Holdings, Inc.
Fukushima Daiichi D & D Engineering Company

Nuclide Analysis Results of Fish and Shellfish
<Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station>
Samples collected in the first quarter of FY2017

[Measurement results of Sr-90 (half-life approx. 29 years) in fish] (Data summarized on October 5)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg(Raw)] (Half-life)	
			Sr-90*1 (Approx. 29 years)	Reference*1 (Sum of Cs-134 and Cs-137)
Microstomus achne (whole) *3	Around 2km Offshore of Kido River (T-S5)	Apr.17, 2017	0.48	16
Common skete (whole) *2	Around 2km Offshore of Kido River (T-S5)	Jun.6, 2017	0.48	20
Common skete (whole) *2	Around 2km Offshore of Fukushima Daini (T-S7)	Apr.17, 2017	0.53	17
Microstomus achne (whole) *3	Around 2km Offshore of Fukushima Daini (T-S7)	Apr.17, 2017	0.43	13
Fox jacopever (whole) *2	Around 2km Offshore of Fukushima Daini (T-S7)	May.17, 2017	0.079	20
Microstomus achne (whole) *3	Around 4km Offshore of Kumagawa (T-S8)	Apr.11, 2017	0.28	15

*1 Edible parts were userd for Cs measurement. Whole of fish excluding entrails was user for Sr measurement.

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

*The Sr-90 analysis was conducted by *2KANSO CO., LTD. and by *3Kyushu Environmental Evaluation Association.

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[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 October 5)

Name of Sample (Region)	Date of Sampling	Tritium concentration (Bq/L)		Tritium concentration (Bq/kg (Raw))		Reference (Sum of Cs-134 and Cs-137) (Bq/kg (Raw))
		Free Water Tritium	Organically Bound Tritium	Free Water Tritium	Organically Bound Tritium	
Flatfish(muscle)	Apr. 11, 2017	0.086	ND(0.44)	0.068	ND(0.059)	ND
Flatfish(muscle)	May. 9, 2017	0.070	ND(0.26)	0.055	ND(0.039)	ND
Flatfish①(muscle)	Jun. 15, 2017	0.078	ND(0.26)	0.061	ND(0.038)	ND

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	Date of Sampling	Tritium concentration (Bq/L)
Around 4km Offshore of Kumagawa (T-S8) Seawater	Apr. 10, 2017	0.072
	May. 8, 2017	0.071
	Jun. 14, 2017	0.077

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

*The tritium analysis was conducted by Kyushu Environmental Evaluation Association.

*Edible parts of fish were used for the measurement.

*Free Water Tritium means tritium which is contained in the moisture of fish muscles and the values are compared with tritium concentrations in seawater where fish lives.
Organically Bound Tritium means tritium which is contained in dried fish muscles and the values show tritium concentrations in the vapor generated when dried fish is burned.

*The measurement results are calculated to two significant figures.

*ND, not detected, indicates that a value is less than the detection limit of a radioactive concentration. The detection limit is provided in parenthesis.