Reference
February 23, 2018
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) <1/10>
(excluding the port)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	CS (Sum)
Stone flounder (muscle)	Around 1km Offshore of Ota River (T-S1)	January 19, 2018	ND(3.0)	ND(4.0)	ND
Common skete (muscle)	Around 1km Offshore of Ota River (T-S1)	January 19, 2018	ND(3.2)	ND(4.1)	ND
Marbled sole (muscle)	Around 1km Offshore of Ota River (T-S1)	January 19, 2018	ND(4.2)	ND(3.8)	ND
Pacific cod (muscle)	Around 1km Offshore of Ota River (T-S1)	January 19, 2018	ND(4.5)	ND(4.3)	ND
Common skete (muscle)	Around 3km Offshore of Odaka Ward (T-S2)	January 19, 2018	ND(3.4)	4.1	4.1
Ovalipes punctatus (whole)	Around 3km Offshore of Odaka Ward (T-S2)	January 19, 2018	ND(3.7)	ND(3.5)	ND
Blown sole (muscle)	Around 3km Offshore of Odaka Ward (T-S2)	January 19, 2018	ND(3.4)	ND(3.8)	ND
Marbled sole (muscle)	Around 3km Offshore of Odaka Ward (T-S2)	January 19, 2018	ND(3.4)	ND(3.9)	ND
Roundnose flounder (muscle)	Around 3km Offshore of Odaka Ward (T-S2)	January 19, 2018	ND(3.6)	ND(4.0)	ND
Stingray (muscle)	Around 3km Offshore of Ukedo River (T-S3)	January 11, 2018	ND(3.4)	ND(3.3)	ND

*When analyzed results are less than detection limits of radioactivity concentrations, the values are showed as "ND." Detection limits of individual nuclides are shown in parenthesis.

*Since April 1, 2012, the baseline is the sum of radioactivity concentrations of Cs-134 and Cs-137, which is 100Bq/kg.

*Analyzed by: Tokyo Power Technology Ltd.

Nuclide Analysis Results of Fish and Shellfish
(Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station) <2/10>
(excluding the port)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	CS (Sum)
Gray antimony (whole)	Around 3km Offshore of Ukedo River (T-S3)	January 11, 2018	ND(3.2)	ND(4.1)	ND
Common skete (muscle)	Around 3km Offshore of Ukedo River (T-S3)	January 11, 2018	ND(2.5)	ND(3.8)	ND
Ovalipes punctatus (whole)	Around 3km Offshore of Ukedo River (T-S3)	January 11, 2018	ND(3.7)	ND(3.8)	ND
Blown sole (muscle)	Around 3km Offshore of Ukedo River (T-S3)	January 11, 2018	ND(3.4)	ND(3.0)	ND
Marbled sole (muscle)	Around 3km Offshore of Ukedo River (T-S3)	January 11, 2018	ND(3.3)	7.7	7.7
Roundnose flounder (muscle)	Around 3km Offshore of Ukedo River (T-S3)	January 11, 2018	ND(4.1)	ND(3.8)	ND
Stone flounder (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4	January 11, 2018	ND(3.5)	7.4	7.4
Gurnard (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4	January 11, 2018	ND(4.2)	ND(4.1)	ND
Gray antimony (whole)	Around 3km Offshore of Fukushima Daiichi (T-S4	January 11, 2018	ND(3.6)	ND(4.2)	ND
Black seabream (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4	January 11, 2018	ND(3.2)	ND(3.4)	ND

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*Since April 1, 2012, the baseline is the sum of radioactivity concentrations of Cs-134 and Cs-137, which is 100Bq/kg.

*Analyzed by: Tokyo Power Technology Ltd.

Nuclide Analysis Results of Fish and Shellfish
(Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station) <3/10>
(excluding the port)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	CS (Sum)
Common skete (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4	January 11, 2018	ND(3.8)	4.6	4.6
Alaska pollack (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4	January 11, 2018	ND(3.4)	ND(3.5)	ND
Flatfish (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4	January 11, 2018	ND(3.8)	ND(4.3)	ND
Sea robin (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4	January 11, 2018	ND(2.8)	ND(3.5)	ND
Marbled sole (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4	January 11, 2018	ND(3.6)	8.1	8.1
Roundnose flounder (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4	January 11, 2018	ND(3.6)	ND(3.5)	ND
Black rockfish (muscle)	Around 2km Offshore of Kido River (T-S5)	January 30, 2018	ND(3.9)	5.6	5.6
Sea raven (muscle)	Around 2km Offshore of Kido River (T-S5)	January 30, 2018	ND(3.4)	ND(4.0)	ND
Common skete (muscle)	Around 2km Offshore of Kido River (T-S5)	January 30, 2018	ND(3.6)	3.8	3.8
Slime flounder (muscle)	Around 2km Offshore of Kido River (T-S5)	January 30, 2018	ND(4.2)	21	21

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Nuclide Analysis Results of Fish and Shellfish
(Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station) <4/10>
(excluding the port)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	CS (Sum)
Marbled sole (muscle)	Around 2km Offshore of Kido River (T-S5)	January 30, 2018	ND(3.9)	5.1	5.1
Roundnose flounder (muscle)	Around 2km Offshore of Kido River (T-S5)	January 30, 2018	ND(3.6)	ND(3.7)	ND
Greenling (muscle)	Around 2km Offshore of Fukushima Daini (T-S7)	January 30, 2018	ND(3.8)	ND(3.8)	ND
Sea raven (muscle)	Around 2km Offshore of Fukushima Daini (T-S7)	January 30, 2018	ND(3.7)	4.0	4.0
Common skete (muscle)	Around 2km Offshore of Fukushima Daini (T-S7)	January 30, 2018	ND(3.3)	5.4	5.4
Alaska pollack (muscle)	Around 2km Offshore of Fukushima Daini (T-S7)	January 30, 2018	ND(3.2)	ND(3.0)	ND
Marbled sole (muscle)	Around 2km Offshore of Fukushima Daini (T-S7)	January 30, 2018	ND(4.0)	4.8	4.8
Black rockfish (muscle)	Around 4km Offshore of Kumagawa (T-S8)	January 19, 2018	ND(4.0)	7.2	7.2
Common skete (muscle)	Around 4km Offshore of Kumagawa (T-S8)	January 19, 2018	ND(4.1)	5.4	5.4
Ovalipes punctatus (whole)	Around 4km Offshore of Kumagawa (T-S8)	January 19, 2018	ND(4.2)	ND(3.0)	ND

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*Analyzed by: Tokyo Power Technology Ltd.

Nuclide Analysis Results of Fish and Shellfish
(Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station) <5/10>
(excluding the port)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	CS (Sum)
Flatfish (muscle)	Around 4km Offshore of Kumagawa (T-S8)	January 19, 2018	ND(3.4)	ND(3.4)	ND
Blown sole (muscle)	Around 4km Offshore of Kumagawa (T-S8)	January 19, 2018	ND(3.8)	ND(3.6)	ND
Marbled sole (muscle)	Around 4km Offshore of Kumagawa (T-S8)	January 19, 2018	ND(3.5)	ND(4.3)	ND
Roundnose flounder (muscle)	Around 4km Offshore of Kumagawa (T-S8)	January 19, 2018	ND(3.6)	ND(3.3)	ND
Greenling (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	January 16, 2018	ND(3.0)	ND(4.1)	ND
Stone flounder (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	January 16, 2018	ND(3.9)	ND(4.3)	ND
Greenling (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	January 16, 2018	ND(3.7)	ND(3.6)	ND
Gray antimony (whole)	Around 15km Offshore of Odaka Ward (T-B1)	January 16, 2018	ND(3.7)	ND(4.0)	ND
Gnathophis nystromi (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	January 16, 2018	ND(3.7)	ND(3.1)	ND
Common skete (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	January 16, 2018	ND(3.6)	ND(3.8)	ND

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*Analyzed by: Tokyo Power Technology Ltd.

Nuclide Analysis Results of Fish and Shellfish
(Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station) <6/10>
(excluding the port)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	CS (Sum)
Japanese sea bass (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	January 16, 2018	ND(3.3)	ND(3.4)	ND
Slime flounder (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	January 16, 2018	ND(3.7)	ND(2.9)	ND
Flatfish ①(muscle)	Around 15km Offshore of Odaka Ward (T-B1)	January 16, 2018	ND(4.2)	ND(4.4)	ND
Flatfish ②(muscle)	Around 15km Offshore of Odaka Ward (T-B1)	January 16, 2018	ND(3.9)	ND(3.0)	ND
Species of hound shark (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	January 16, 2018	ND(3.5)	ND(3.6)	ND
Common Japanese conger (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	January 16, 2018	ND(3.6)	ND(3.6)	ND
Blown sole (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	January 16, 2018	ND(3.4)	ND(3.7)	ND
Marbled sole (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	January 16, 2018	ND(4.2)	ND(3.9)	ND
Roundnose flounder (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	January 16, 2018	ND(3.5)	ND(3.7)	ND
Frog flounder (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	January 16, 2018	ND(3.3)	ND(3.5)	ND

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*Since April 1, 2012, the baseline is the sum of radioactivity concentrations of Cs-134 and Cs-137, which is 100Bq/kg.

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Nuclide Analysis Results of Fish and Shellfish
(Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station) <7/10>
(excluding the port)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	CS (Sum)
Stone flounder (muscle)	Around 18km Offshore of Ukedo River (T-B2)	January 16, 2018	ND(3.9)	ND(3.7)	ND
Greenling (muscle)	Around 18km Offshore of Ukedo River (T-B2)	January 16, 2018	ND(3.7)	ND(3.8)	ND
Common skete (muscle)	Around 18km Offshore of Ukedo River (T-B2)	January 16, 2018	ND(3.3)	ND(3.8)	ND
Japanese sea bass (muscle)	Around 18km Offshore of Ukedo River (T-B2)	January 16, 2018	ND(3.1)	ND(3.3)	ND
Slime flounder (muscle)	Around 18km Offshore of Ukedo River (T-B2)	January 16, 2018	ND(3.7)	ND(3.4)	ND
Flatfish ①(muscle)	Around 18km Offshore of Ukedo River (T-B2)	January 16, 2018	ND(3.2)	ND(4.2)	ND
Flatfish ②(muscle)	Around 18km Offshore of Ukedo River (T-B2)	January 16, 2018	ND(3.8)	ND(3.6)	ND
Species of hound shark (muscle)	Around 18km Offshore of Ukedo River (T-B2)	January 16, 2018	ND(3.5)	ND(3.7)	ND
Common Japanese conger (muscle)	Around 18km Offshore of Ukedo River (T-B2)	January 16, 2018	ND(3.7)	ND(3.6)	ND
Blown sole (muscle)	Around 18km Offshore of Ukedo River (T-B2)	January 16, 2018	ND(4.2)	3.6	3.6

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*Analyzed by: Tokyo Power Technology Ltd.

Nuclide Analysis Results of Fish and Shellfish
(Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station) <8/10>
(excluding the port)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	CS (Sum)
Marbled sole (muscle)	Around 18km Offshore of Ukedo River (T-B2)	January 16, 2018	ND(3.9)	ND(4.1)	ND
Roundnose flounder (muscle)	Around 18km Offshore of Ukedo River (T-B2)	January 16, 2018	ND(3.4)	ND(3.4)	ND
Frog flounder (muscle)	Around 18km Offshore of Ukedo River (T-B2)	January 16, 2018	ND(3.7)	ND(3.9)	ND
Willowy flounder (muscle)	Around 18km Offshore of Ukedo River (T-B2)	January 16, 2018	ND(3.5)	ND(3.3)	ND
Greenling (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	January 27, 2018	ND(3.7)	ND(3.5)	ND
Common skete (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	January 27, 2018	ND(3.3)	ND(3.7)	ND
Japanese sea bass (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	January 27, 2018	ND(2.6)	ND(4.3)	ND
Slime flounder (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	January 27, 2018	ND(3.5)	ND(4.0)	ND
Flatfish ①(muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	January 27, 2018	ND(3.5)	ND(3.8)	ND
Flatfish ②(muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	January 27, 2018	ND(3.2)	ND(3.3)	ND

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Nuclide Analysis Results of Fish and Shellfish
(Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station) <9/10>
(excluding the port)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	CS (Sum)
Species of hound shark (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	January 27, 2018	ND(3.3)	ND(4.0)	ND
Blown sole (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	January 27, 2018	ND(3.8)	ND(3.3)	ND
Marbled sole (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	January 27, 2018	ND(4.0)	ND(3.1)	ND
Pacific cod (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	January 27, 2018	ND(3.6)	ND(4.0)	ND
Roundnose flounder (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	January 27, 2018	ND(3.8)	ND(2.9)	ND
Stone flounder (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	January 27, 2018	ND(3.9)	ND(4.2)	ND
Greenling (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	January 27, 2018	ND(3.9)	ND(4.0)	ND
Common skete (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	January 27, 2018	ND(4.0)	6.6	6.6
Japanese sea bass (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	January 27, 2018	ND(4.5)	ND(4.1)	ND
Slime flounder (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	January 27, 2018	ND(3.1)	ND(3.8)	ND

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Nuclide Analysis Results of Fish and Shellfish
(Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station) <10/10>
(excluding the port)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	CS (Sum)
Flatfish ①(muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	January 27, 2018	ND(3.4)	ND(4.1)	ND
Flatfish ②(muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	January 27, 2018	ND(3.5)	ND(2.9)	ND
Species of hound shark (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	January 27, 2018	ND(2.9)	ND(4.1)	ND
Blown sole (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	January 27, 2018	ND(2.7)	ND(3.3)	ND
Marbled sole (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	January 27, 2018	ND(3.6)	ND(4.0)	ND
Roundnose flounder (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	January 27, 2018	ND(2.7)	ND(3.5)	ND
Frog flounder (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	January 27, 2018	ND(3.2)	ND(3.6)	ND

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