July 29, 2021
Tokyo Electric Power Company Holdings, Inc.
Fukushima Daiichi D&D Engineering Company

Analysis Results of Fish

<Sampled within a 20km Radius of the Fukushima Daiichi Nuclear Power Station> (γ)

Place of Sampling	Name of Sample (Region)	Date of Sampling	Analysis Item		
			Cs-134 (Bq/kg(Raw))	Cs-137 (Bq/kg(Raw))	Cs (Sum) (Bq/kg(Raw))
Around 1km Offshore of Ota River (T-S1)	Stingray (muscle)	2021/6/17	< 3.6E+00	< 3.9E+00	ND
Around 1km Offshore of Ota River (T-S1)	Lepidotrigla microptena (muscle)	2021/6/17	< 3.6E+00	< 3.7E+00	ND
Around 1km Offshore of Ota River (T-S1)	Black rockfish (muscle)	2021/6/17	< 3.7E+00	< 3.1E+00	ND
Around 1km Offshore of Ota River (T-S1)	Common skete (muscle)	2021/6/17	< 3.0E+00	< 3.3E+00	ND
Around 1km Offshore of Ota River (T-S1)	Flatfish (muscle) No.1	2021/6/17	< 3.9E+00	< 3.6E+00	ND
Around 1km Offshore of Ota River (T-S1)	Searobin (muscle)	2021/6/17	< 3.2E+00	< 4.1E+00	ND
Around 1km Offshore of Ota River (T-S1)	Pitted stingray (muscle)	2021/6/17	< 3.2E+00	< 3.6E+00	ND
Around 1km Offshore of Ota River (T-S1)	Smooth dogfish (muscle)	2021/6/17	< 3.7E+00	< 3.3E+00	ND
Around 1km Offshore of Ota River (T-S1)	Striped mullet (muscle)	2021/6/17	< 3.0E+00	4.3E+00	4.3E+00
Around 3km Offshore of Odaka Ward (T-S2)	Stone flounder (muscle)	2021/6/17	< 4.0E+00	< 3.5E+00	ND

・Half life of each nuclide: Cs-134 (Approx. 2 years), Cs-137 (Approx. 30 years)
・Inequality sign (<: less than) indicates that measurement result is less than the detection limit (ND).
・Reference value (on and after April 1, 2012): Sum of radioactivity concentrations for Cs-134 and Cs-137: 1.0E+02Bq/kg.
・Analysis was conducted by Tokyo Power Technology Ltd.
・Values are expressed in exponential notation. For example, "3.1E+01" means "3.1×10^{1}" and equals 31.
Similarly, “3.1E+00” means “$3.1x10^{0}$” and equals 3.1, and “3.1E-01” means “$3.1x10^{-1}$” and equals 0.31.

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			Cs-134 (Bq/kg(Raw))	Cs-137 (Bq/kg(Raw))	Cs (Sum) (Bq/kg(Raw))
Around 3km Offshore of Odaka Ward (T-S2)	Flatfish (muscle) No.1	2021/6/17	< 3.0E+00	< 4.0E+00	ND
Around 3km Offshore of Odaka Ward (T-S2)	Searobin (muscle)	2021/6/17	< 3.1E+00	< 3.3E+00	ND
Around 3km Offshore of Odaka Ward (T-S2)	Roundnose flounder (muscle)	2021/6/17	< 3.9E+00	< 3.8E+00	ND
Around 3km Offshore of Ukedo River (T-S3)	Stone flounder (muscle)	2021/6/18	< 3.6E+00	< 3.7E+00	ND
Around 3km Offshore of Ukedo River (T-S3)	Lepidotrigla microptena (muscle)	2021/6/18	< 3.1E+00	< 3.7E+00	ND
Around 3km Offshore of Ukedo River (T-S3)	Yellow goosefish (whole)	2021/6/18	< 2.9E+00	< 3.1E+00	ND
Around 3km Offshore of Ukedo River (T-S3)	Common skete (muscle)	2021/6/18	< 3.4E+00	< 3.4E+00	ND
Around 3km Offshore of Ukedo River (T-S3)	Flatfish (muscle) No.1	2021/6/18	< 3.9E+00	< 3.8E+00	ND
Around 3km Offshore of Ukedo River (T-S3)	Flatfish (muscle) No.2	2021/6/18	< 4.0E+00	< 3.2E+00	ND
Around 3km Offshore of Ukedo River (T-S3)	Searobin (muscle)	2021/6/18	< 3.6E+00	< 3.8E+00	ND

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			Cs-134 (Bq/kg(Raw))	Cs-137 (Bq/kg(Raw))	Cs (Sum) (Bq/kg(Raw))
Around 3km Offshore of Ukedo River (T-S3)	Smooth dogfish (muscle)	2021/6/18	< 3.3E+00	< 4.0E+00	ND
Around 3km Offshore of Ukedo River (T-S3)	John dory (muscle)	2021/6/18	< 3.3E+00	< 3.8E+00	ND
Around 3km Offshore of Ukedo River (T-S3)	Roundnose flounder (muscle)	2021/6/18	< 3.3E+00	4.1E+00	4.1E+00
Around 3km Offshore of 1F Site (T-S4)	Stone flounder (muscle)	2021/6/18	< 3.4E+00	< 2.9E+00	ND
Around 3km Offshore of 1F Site (T-S4)	Lepidotrigla microptena (muscle)	2021/6/18	< 4.2E+00	< 3.5E+00	ND
Around 3km Offshore of 1F Site (T-S4)	Common skete (muscle)	2021/6/18	< 3.6E+00	3.5E+00	3.5E+00
Around 3km Offshore of 1F Site (T-S4)	Flatfish (muscle) No.1	2021/6/18	< 3.0E+00	< 3.5E+00	ND
Around 3km Offshore of 1F Site (T-S4)	Flatfish (muscle) No.2	2021/6/18	< 4.1E+00	< 4.2E+00	ND
Around 3km Offshore of 1F Site (T-S4)	Searobin (muscle)	2021/6/18	< 3.7E+00	< 3.2E+00	ND
Around 3km Offshore of 1F Site (T-S4)	Marbled sole (muscle)	2021/6/18	< 3.5E+00	< 3.7E+00	ND

・Half life of each nuclide: Cs-134 (Approx. 2 years), Cs-137 (Approx. 30 years)
・Inequality sign (<: less than) indicates that measurement result is less than the detection limit (ND).
・Reference value (on and after April 1, 2012): Sum of radioactivity concentrations for Cs-134 and Cs-137: 1.0E+02Bq/kg.
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			Cs-134 (Bq/kg(Raw))	Cs-137 (Bq/kg(Raw))	Cs (Sum) (Bq/kg(Raw))
Around 3km Offshore of 1F Site (T-S4)	Chub mackerel (muscle)	2021/6/18	< 3.5E+00	< 3.2E+00	ND
Around 3km Offshore of 1F Site (T-S4)	Roundnose flounder (muscle)	2021/6/18	< 4.1E+00	< 3.0E+00	ND
Around 2km Offshore of Kido River (T-S5)	Lepidotrigla microptena (muscle)	2021/6/24	< 3.3E+00	< 3.3E+00	ND
Around 2km Offshore of Kido River (T-S5)	Common skete (muscle)	2021/6/24	< 4.2E+00	< 3.5E+00	ND
Around 2km Offshore of Kido River (T-S5)	Microstomus achne (muscle)	2021/6/24	< 3.2E+00	< 3.7E+00	ND
Around 2km Offshore of Kido River (T-S5)	Flatfish (muscle) No.1	2021/6/24	< 3.6E+00	< 4.0E+00	ND
Around 2km Offshore of Kido River (T-S5)	Flatfish (muscle) No.2	2021/6/24	< 3.9E+00	< 3.6E+00	ND
Around 2km Offshore of Kido River (T-S5)	Searobin (muscle)	2021/6/24	< 3.8E+00	< 3.3E+00	ND
Around 2km Offshore of Kido River (T-S5)	Marbled sole (muscle)	2021/6/24	< 3.8E+00	< 3.9E+00	ND
Around 2km Offshore of Kido River (T-S5)	Roundnose flounder (muscle)	2021/6/24	< 3.4E+00	< 3.5E+00	ND

・Half life of each nuclide: Cs-134 (Approx. 2 years), Cs-137 (Approx. 30 years)
・Inequality sign (<: less than) indicates that measurement result is less than the detection limit (ND).
・Reference value (on and after April 1, 2012): Sum of radioactivity concentrations for Cs-134 and Cs-137: 1.0E+02Bq/kg.
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			Cs-134 (Bq/kg(Raw))	Cs-137 (Bq/kg(Raw))	Cs (Sum) (Bq/kg(Raw))
Around 2km Offshore of 2F Site (T-S7)	Stingray (muscle)	2021/6/24	< 3.2E+00	4.2E+00	4.2E+00
Around 2km Offshore of 2F Site (T-S7)	Stone flounder (muscle)	2021/6/24	< 2.7E+00	< 4.0E+00	ND
Around 2km Offshore of 2F Site (T-S7)	Lepidotrigla microptena (muscle)	2021/6/24	< 3.6E+00	< 2.9E+00	ND
Around 2km Offshore of 2F Site (T-S7)	Common skete (muscle)	2021/6/24	< 3.2E+00	< 3.6E+00	ND
Around 2km Offshore of 2F Site (T-S7)	Flatfish (muscle) No.1	2021/6/24	< 2.6E+00	< 3.5E+00	ND
Around 2km Offshore of 2F Site (T-S7)	Flatfish (muscle) No.2	2021/6/24	< 3.7E+00	< 2.9E+00	ND
Around 2km Offshore of 2F Site (T-S7)	Searobin (muscle)	2021/6/24	< 3.9E+00	< 4.0E+00	ND
Around 2km Offshore of 2F Site (T-S7)	Pitted stingray (muscle)	2021/6/24	< 3.9E+00	< 3.9E+00	ND
Around 2km Offshore of 2F Site (T-S7)	Roundnose flounder (muscle)	2021/6/24	< 4.0E+00	< 3.8E+00	ND
Around 4km Offshore of Kumagawa (T-S8)	Stone flounder (muscle)	2021/6/25	< 3.8E+00	< 3.8E+00	ND

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・Reference value (on and after April 1, 2012): Sum of radioactivity concentrations for Cs-134 and Cs-137: 1.0E+02Bq/kg.
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			Cs-134 (Bq/kg(Raw))	Cs-137 (Bq/kg(Raw))	Cs (Sum) (Bq/kg(Raw))
Around 4km Offshore of Kumagawa (T-S8)	Lepidotrigla microptena (muscle)	2021/6/25	< 3.1E+00	< 4.2E+00	ND
Around 4km Offshore of Kumagawa (T-S8)	Common skete (muscle)	2021/6/25	< 3.2E+00	< 3.5E+00	ND
Around 4km Offshore of Kumagawa (T-S8)	Microstomus achne (muscle)	2021/6/25	< 3.8E+00	< 4.0E+00	ND
Around 4km Offshore of Kumagawa (T-S8)	Flatfish (muscle) No.1	2021/6/25	< 3.0E+00	< 2.9E+00	ND
Around 4km Offshore of Kumagawa (T-S8)	Flatfish (muscle) No.2	2021/6/25	< 3.5E+00	< 3.3E+00	ND
Around 4km Offshore of Kumagawa (T-S8)	Searobin (muscle)	2021/6/25	< 3.7E+00	< 4.9E+00	ND
Around 4km Offshore of Kumagawa (T-S8)	Chub mackerel (muscle)	2021/6/25	< 2.8E+00	< 3.6E+00	ND
Around 4km Offshore of Kumagawa (T-S8)	Roundnose flounder (muscle)	2021/6/25	< 3.9E+00	< 4.1E+00	ND
Around 15km Offshore of Odaka Ward (T-B1)	Stone flounder (muscle)	2021/6/15	< 4.1E+00	< 3.7E+00	ND
Around 15km Offshore of Odaka Ward (T-B1)	Lepidotrigla microptena (muscle)	2021/6/15	< 3.4E+00	< 3.4E+00	ND

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			Cs-134 (Bq/kg(Raw))	Cs-137 (Bq/kg(Raw))	Cs (Sum) (Bq/kg(Raw))
Around 15km Offshore of Odaka Ward (T-B1)	Yellow goosefish (whole)	2021/6/15	< 3.3E+00	< 3.3E+00	ND
Around 15km Offshore of Odaka Ward (T-B1)	Common skete (muscle)	2021/6/15	< 3.5E+00	< 3.5E+00	ND
Around 15km Offshore of Odaka Ward (T-B1)	White croaker (muscle)	2021/6/15	< 3.5E+00	< 3.2E+00	ND
Around 15km Offshore of Odaka Ward (T-B1)	Microstomus achne (muscle)	2021/6/15	< 3.0E+00	< 3.9E+00	ND
Around 15km Offshore of Odaka Ward (T-B1)	Flatfish (muscle) No.1	2021/6/15	< 3.8E+00	< 3.6E+00	ND
Around 15km Offshore of Odaka Ward (T-B1)	Flatfish (muscle) No.2	2021/6/15	< 3.6E+00	< 3.4E+00	ND
Around 15km Offshore of Odaka Ward (T-B1)	Littlemouth flounder (muscle)	2021/6/15	< 2.9E+00	< 3.4E+00	ND
Around 15km Offshore of Odaka Ward (T-B1)	Marbled sole (muscle)	2021/6/15	< 3.4E+00	< 3.3E+00	ND
Around 18km Offshore of Ukedo River (T-B2)	Greenling (muscle)	2021/6/15	< 4.2E+00	< 3.8E+00	ND
Around 18km Offshore of Ukedo River (T-B2)	Lepidotrigla microptena (muscle)	2021/6/15	< 3.7E+00	< 3.6E+00	ND

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Around 18km Offshore of Ukedo River (T-B2)	Yellow goosefish (whole)	2021/6/15	< 3.8E+00	< 4.1E+00	ND
Around 18km Offshore of Ukedo River (T-B2)	Common skete (muscle)	2021/6/15	< 4.2E+00	< 3.1E+00	ND
Around 18km Offshore of Ukedo River (T-B2)	Microstomus achne (muscle)	2021/6/15	< 2.9E+00	< 3.4E+00	ND
Around 18km Offshore of Ukedo River (T-B2)	Flatfish (muscle) No.1	2021/6/15	< 3.1E+00	< 4.0E+00	ND
Around 18km Offshore of Ukedo River (T-B2)	Littlemouth flounder (muscle)	2021/6/15	< 4.2E+00	< 3.3E+00	ND
Around 18km Offshore of Ukedo River (T-B2)	Marbled sole (muscle)	2021/6/15	< 3.2E+00	< 3.5E+00	ND
Around 18km Offshore of Ukedo River (T-B2)	Willowy flounder (muscle)	2021/6/15	< 3.6E+00	< 3.5E+00	ND

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