December 27, 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)	Stone flounder (muscle)	2021/11/26	< 3.7E+00	< 3.4E+00	ND
Around 1km Offshore of Ota River (T-S1)	Lepidotrigla microptena (muscle)	2021/11/26	< 3.4E+00	< 3.2E+00	ND
Around 1km Offshore of Ota River (T-S1)	Black sea bream (muscle)	2021/11/26	< 3.1E+00	< 3.4E+00	ND
Around 1km Offshore of Ota River (T-S1)	Common skete (muscle)	2021/11/26	< 3.2E+00	< 3.3E+00	ND
Around 1km Offshore of Ota River (T-S1)	Flatfish (muscle) No.1	2021/11/26	< 3.5E+00	< 3.2E+00	ND
Around 1km Offshore of Ota River (T-S1)	Flatfish (muscle) No.2	2021/11/26	< 3.2E+00	< 3.7E+00	ND
Around 3km Offshore of Odaka Ward (T-S2)	Black rockfish (muscle)	2021/11/26	< 3.5E+00	< 3.8E+00	ND
Around 3km Offshore of Odaka Ward (T-S2)	Common skete (muscle)	2021/11/26	< 3.4E+00	< 2.8E+00	ND
Around 3km Offshore of Ukedo River (T-S3)	Sea raven (muscle)	2021/11/18	< 3.5E+00	< 3.2E+00	ND
Around 3km Offshore of Ukedo River (T-S3)	Common skete (muscle)	2021/11/18	< 3.5E+00	< 3.3E+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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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 3km Offshore of Ukedo River (T-S3)	Drumfish (muscle)	2021/11/18	< 3.8E+00	< 3.8E+00	ND
Around 3km Offshore of Ukedo River (T-S3)	Flatfish (muscle) No.1	2021/11/18	< 3.9E+00	< 3.4E+00	ND
Around 3km Offshore of Ukedo River (T-S3)	Flatfish (muscle) No.2	2021/11/18	< 3.7E+00	< 3.1E+00	ND
Around 3km Offshore of Ukedo River (T-S3)	Searobin (muscle)	2021/11/18	< 4.2E+00	< 4.0E+00	ND
Around 3km Offshore of Ukedo River (T-S3)	John dory (muscle)	2021/11/18	< 3.5E+00	< 4.3E+00	ND
Around 3km Offshore of 1F Site (T-S4)	Stingray (muscle)	2021/11/18	< 3.4E+00	5.5E+00	5.5E+00
Around 3km Offshore of 1F Site (T-S4)	Stone flounder (muscle)	2021/11/18	< 3.1E+00	< 4.0E+00	ND
Around 3km Offshore of 1F Site (T-S4)	Common skete (muscle)	2021/11/18	< 4.2E+00	< 3.6E+00	ND
Around 3km Offshore of 1F Site (T-S4)	Searobin (muscle)	2021/11/18	< 3.3E+00	< 3.7E+00	ND
Around 2km Offshore of Kido River (T-S5)	Stone flounder (muscle)	2021/11/19	< 4.1E+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 2km Offshore of Kido River (T-S5)	Japanese angel shark (muscle)	2021/11/19	< 2.9E+00	< 3.6E+00	ND
Around 2km Offshore of Kido River (T-S5)	Black rockfish (muscle)	2021/11/19	< 4.1E+00	< 3.4E+00	ND
Around 2km Offshore of Kido River (T-S5)	Sea raven (muscle)	2021/11/19	< 3.2E+00	< 3.5E+00	ND
Around 2km Offshore of Kido River (T-S5)	Common skete (muscle)	2021/11/19	< 3.9E+00	< 3.8E+00	ND
Around 2km Offshore of Kido River (T-S5)	Drumfish (muscle)	2021/11/19	< 3.6E+00	< 3.8E+00	ND
Around 2km Offshore of Kido River (T-S5)	Flatfish (muscle) No.1	2021/11/19	< 3.4E+00	< 3.8E+00	ND
Around 2km Offshore of Kido River (T-S5)	Flatfish (muscle) No.2	2021/11/19	< 3.8E+00	< 3.4E+00	ND
Around 2km Offshore of Kido River (T-S5)	Searobin (muscle)	2021/11/19	< 3.9E+00	< 4.1E+00	ND
Around 2km Offshore of Kido River (T-S5)	John dory (muscle)	2021/11/19	< 3.1E+00	< 3.2E+00	ND
Around 2km Offshore of 2F Site (T-S7)	Stingray (muscle)	2021/11/19	< 3.4E+00	< 3.9E+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)	Common skete (muscle)	2021/11/19	< 3.8E+00	< 3.5E+00	ND
Around 2km Offshore of 2F Site (T-S7)	Flatfish (muscle) No.1	2021/11/19	< 4.1E+00	< 4.2E+00	ND
Around 2km Offshore of 2F Site (T-S7)	Searobin (muscle)	2021/11/19	< 4.2E+00	3.2E+00	3.2E+00
Around 2km Offshore of 2F Site (T-S7)	Smooth dogfish (muscle)	2021/11/19	< 4.2E+00	< 2.9E+00	ND
Around 4km Offshore of Kumagawa (T-S8)	Lepidotrigla microptena (muscle)	2021/11/25	< 3.4E+00	< 3.8E+00	ND
Around 4km Offshore of Kumagawa (T-S8)	Flatfish (muscle) No.1	2021/11/25	< 3.2E+00	< 4.0E+00	ND
Around 4km Offshore of Kumagawa (T-S8)	Flatfish (muscle) No.2	2021/11/25	< 3.5E+00	< 3.9E+00	ND
Around 4km Offshore of Kumagawa (T-S8)	Searobin (muscle)	2021/11/25	< 3.6E+00	< 4.6E+00	ND
Around 15km Offshore of Odaka Ward (T-B1)	Japanese angel shark (muscle)	2021/11/16	< 3.1E+00	5.0E+00	5.0E+00
Around 15km Offshore of Odaka Ward (T-B1)	Lepidotrigla microptena (muscle)	2021/11/16	< 3.9E+00	< 3.7E+00	ND

・Half life of each nuclide: Cs-134 (Approx. 2 years), Cs-137 (Approx. 30 years)
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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 15km Offshore of Odaka Ward (T-B1)	Crimson sea bream (muscle)	2021/11/16	< 3.1E+00	< 3.5E+00	ND
Around 15km Offshore of Odaka Ward (T-B1)	Flatfish (muscle) No.1	2021/11/16	< 4.1E+00	< 3.8E+00	ND
Around 15km Offshore of Odaka Ward (T-B1)	Red sea bream (muscle)	2021/11/16	< 3.4E+00	< 4.0E+00	ND
Around 15km Offshore of Odaka Ward (T-B1)	Roundnose flounder (muscle)	2021/11/16	< 3.6E+00	< 3.4E+00	ND
Around 15km Offshore of Odaka Ward (T-B1)	Ridged-eye flounder (muscle)	2021/11/16	< 3.2E+00	< 3.5E+00	ND
Around 18km Offshore of Ukedo River (T-B2)	Lepidotrigla microptena (muscle)	2021/11/16	< 3.1E+00	< 3.3E+00	ND
Around 18km Offshore of Ukedo River (T-B2)	Common skete (muscle)	2021/11/16	< 3.7E+00	< 4.0E+00	ND
Around 18km Offshore of Ukedo River (T-B2)	Crimson sea bream (muscle)	2021/11/16	< 3.8E+00	< 4.3E+00	ND
Around 18km Offshore of Ukedo River (T-B2)	Flatfish (muscle) No.1	2021/11/16	< 3.8E+00	< 3.7E+00	ND
Around 18km Offshore of Ukedo River (T-B2)	Flatfish (muscle) No.2	2021/11/16	< 4.1E+00	< 3.7E+00	ND

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			Cs-134 (Bq/kg(Raw))	Cs-137 (Bq/kg(Raw))	Cs (Sum) (Bq/kg(Raw))
Around 18km Offshore of Ukedo River (T-B2)	Smooth dogfish (muscle)	2021/11/16	< 3.7E+00	< 3.7E+00	ND
Around 18km Offshore of Ukedo River (T-B2)	Littlemouth flounder (muscle)	2021/11/16	< 3.9E+00	< 4.0E+00	ND
Around 18km Offshore of Ukedo River (T-B2)	Marbled sole (muscle)	2021/11/16	< 4.4E+00	< 3.0E+00	ND
Around 18km Offshore of Ukedo River (T-B2)	Red sea bream (muscle)	2021/11/16	< 3.2E+00	< 3.9E+00	ND
Around 18km Offshore of Ukedo River (T-B2)	John dory (muscle)	2021/11/16	< 3.5E+00	< 3.0E+00	ND
Around 18km Offshore of Ukedo River (T-B2)	Roundnose flounder (muscle)	2021/11/16	< 4.0E+00	< 3.6E+00	ND
Around 18km Offshore of Ukedo River (T-B2)	Ridged-eye flounder (muscle)	2021/11/16	< 4.3E+00	< 3.7E+00	ND
Around 10km Offshore of 1F Site (T-B3)	Japanese angel shark (muscle)	2021/11/30	< 3.5E+00	< 3.8E+00	ND
Around 10km Offshore of 1F Site (T-B3)	Lepidotrigla microptena (muscle)	2021/11/30	< 3.3E+00	< 3.7E+00	ND
Around 10km Offshore of 1F Site (T-B3)	Takifugu snyderi (muscle)	2021/11/30	< 3.6E+00	< 4.1E+00	ND

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			Cs-134 (Bq/kg(Raw))	Cs-137 (Bq/kg(Raw))	Cs (Sum) (Bq/kg(Raw))
Around 10km Offshore of 1F Site (T-B3)	Sea bass (muscle)	2021/11/30	< 3.9E+00	< 3.5E+00	ND
Around 10km Offshore of 1F Site (T-B3)	Crimson sea bream (muscle)	2021/11/30	< 3.6E+00	< 4.0E+00	ND
Around 10km Offshore of 1F Site (T-B3)	Flatfish (muscle) No.1	2021/11/30	< 4.1E+00	< 3.1E+00	ND
Around 10km Offshore of 1F Site (T-B3)	Searobin (muscle)	2021/11/30	< 4.1E+00	< 3.3E+00	ND
Around 10km Offshore of 1F Site (T-B3)	Marbled sole (muscle)	2021/11/30	< 3.5E+00	< 3.3E+00	ND
Around 10km Offshore of 1F Site (T-B3)	Red sea bream (muscle)	2021/11/30	< 4.2E+00	< 4.0E+00	ND
Around 10km Offshore of 1F Site (T-B3)	John dory (muscle)	2021/11/30	< 2.9E+00	< 3.9E+00	ND
Around 10km Offshore of 2F Site (T-B4)	Lepidotrigla microptena (muscle)	2021/11/30	< 3.8E+00	< 3.5E+00	ND
Around 10km Offshore of 2F Site (T-B4)	Common skete (muscle)	2021/11/30	< 3.5E+00	< 3.3E+00	ND
Around 10km Offshore of 2F Site (T-B4)	Takifugu snyderi (muscle)	2021/11/30	< 4.1E+00	< 3.7E+00	ND

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Around 10km Offshore of 2F Site (T-B4)	Sea bass (muscle)	2021/11/30	< 3.6E+00	< 3.9E+00	ND
Around 10km Offshore of 2F Site (T-B4)	Crimson sea bream (muscle)	2021/11/30	< 3.2E+00	< 3.9E+00	ND
Around 10km Offshore of 2F Site (T-B4)	Flatfish (muscle) No.1	2021/11/30	< 4.4E+00	< 3.6E+00	ND
Around 10km Offshore of 2F Site (T-B4)	Searobin (muscle)	2021/11/30	< 4.3E+00	< 3.0E+00	ND
Around 10km Offshore of 2F Site (T-B4)	Smooth dogfish (muscle)	2021/11/30	< 3.0E+00	< 3.5E+00	ND
Around 10km Offshore of 2F Site (T-B4)	Marbled sole (muscle)	2021/11/30	< 3.6E+00	< 3.4E+00	ND
Around 10km Offshore of 2F Site (T-B4)	Red sea bream (muscle)	2021/11/30	< 3.7E+00	< 3.6E+00	ND
Around 10km Offshore of 2F Site (T-B4)	John dory (muscle)	2021/11/30	< 4.0E+00	< 3.5E+00	ND

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