June 27, 2022
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＞ (Sr)
Samples collected in the fourth quarter of FY2021

Place of Sampling	Name of Sample (Region)	Date of Sampling	Analysis Item		Analysis Laboratory
			Sr-90 (Bq/kg(Raw))	Reference Cs (Sum) (Bq/kg(Raw))	
Around 3km Offshore of Odaka Ward (T-S2)	Blue crab (whole) No.1	2022/2/10	7.8E-02	4.0E+00	KANSO TECHNOS CO., LTD
Around 3km Offshore of Odaka Ward (T-S2)	Roundnose flounder (whole) No.1	2022/1/18	＜ 7.8E-03	3.8E+00	Kyushu Environmental Evaluation Association
Around 2km Offshore of 2F Site (T-S7)	Common skete (whole) No.1	2022/3/25	＜ 1.3E-02	3.8E+00	Kyushu Environmental Evaluation Association
Around 2km Offshore of 2F Site (T-S7)	Marbled sole (whole) No.1	2022/2/25	2.7E-02	7.3E+00	KANSO TECHNOS CO., LTD
Around 4km Offshore of Kumagawa (T-S8)	Common skete (whole) No.1	2022/2/3	9.4E-02	3.9E+00	KANSO TECHNOS CO., LTD

・Half life of each nuclide: Sr-90 (Approx. 29 years), 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:
・Edible parts (muscles) of fish were used to measure Cs. Whole fish (except for internal organs) including bones were used to measure Sr.
・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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Analysis Results of Fish <Sampled within a 20km Radius of the Fukushima Daiichi Nuclear Power Station> (H-3)
Samples collected in the fourth quarter of FY2021

Place of Sampling	Name of Sample (Region)	Date of Sampling	Analysis Item				Reference Cs (Sum) (Bq/kg(Raw))
			Tritium concentration (Bq/L)		Tritium concentration (Bq/kg (Raw))		
			Free Water Tritium	Organically Bound Tritium	Free Water Tritium	Organically Bound Tritium	
Around 4km Offshore of Kumagawa (T-S8)	Flatfish (muscle)	2022/1/27	6.8E-02	< 2.3E-01	5.4E-02	< 3.1E-02	ND
		2022/2/3	8.3E-02	< 2.4E-01	6.5E-02	< 3.3E-02	ND

Place of Sampling	Name of Sample	Date of Sampling	H-3 (Bq/L)
Around 4km Offshore of Kumagawa (T-S8)	Seawater (Surface)	2022/1/26	7.2E-02
		2022/2/2	8.0E-02
		2022/3/15	8.0E-02

・Half life of each nuclide: H-3 (Approx. 12 years), 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 Kyushu Environmental Evaluation Association.
・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 muscles are burned.
・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.