September 28, 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 first quarter of FY2022

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)	Black rockfish (whole) No.1	2022/5/19	< 1.0E-02	3.6E+00	Kyushu Environmental Evaluation Association
Around 3km Offshore of 1F Site (T-S4)	Roundnose flounder (whole) No.1	2022/6/23	3.5E-02	3.9E+00	KANSO TECHNOS CO., LTD.
Around 2km Offshore of Kido River (T-S5)	Smooth dogfish (whole) No.1	2022/5/31	< 7.8E-03	3.7E+00	Kyushu Environmental Evaluation Association
Around 4km Offshore of Kumagawa (T-S8)	Lepidotrigla microptena (whole) No.1	2022/6/28	3.6E-02	3.8E+00	KANSO TECHNOS CO., LTD.
Around 18km Offshore of Ukedo River (T-B2)	Microstomus achne (whole) No.1	2022/5/24	9.7E-02	4.1E+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: 1.0E+02Bq/kg.
・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)

Place of Sampling	Name of Sample (Region)	Date of Sampling	Analysis Item				Reference Cs (Sum) (Bq/kg(Raw))
			H-3(Bq/L)		H-3(Bq/kg(Raw))		
			Free Water Tritium	Organically Bound Tritium	Free Water Tritium	Organically Bound Tritium	
Around 4 km Offshore of Kumagawa (T-S8)※1	Flatfish (muscle)	2022/5/10	5.7E-02	< 2.7E-01	4.4E-02	< 4.3E-02	ND
Around 4 km Offshore of Kumagawa (T-S8)※1	Flatfish (muscle)	2022/6/28	7.5E-02	< 2.7E-01	5.7E-02	< 4.1E-02	ND

Name of Sample	Date of Sampling	H-3 (Bq/L)
Seawater	2022/5/9	7.0E-02
Seawater	2022/6/27	7.5E-02
WHO Guidelines for Drinking-water Quality※2		1.0E+04

・Seawater is sampled from the surface layer.
・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).
・"-" indicates that the item was not included in the measurement or the sampling was stopped.
・Values are expressed in exponential notation. For example, "3.1E+01" means "3.1×10^{1}" and equals 31.
Similarly, "3.1E+00" means "3.1×10^{0}" and equals 3.1, and "3.1E-01" means "3.1×10^{-1}" and equals 0.31.
・Reference value (on and after April 1, 2012): Sum of radioactivity concentrations for Cs-134 and Cs-137: 1.0E+02Bq/kg.
・Free Water Tritium means tritium which exists in the tissues of plants and animals as water, and is discharged from the tissues in the same manner as water.
Organically Bound Tritium means tritium which organically bonds with protain etc. in the tissues of plants and animals and is taken into the tissues, and is discharged from the tissues through cellular metabolism.
※1 Analysed by KAKEN Co., Ltd. or Kyushu Environmental Evaluation Assosiaction
※2 Guideline level for H-3 in WHO Guidelines for Drinking-water Quality
・For the evaluation of the analyis results, please refer to the "Status of the Fukushima Daiichi NPS (Daily Repor t)"*(Japanese only)* .
https://www.tepco.co.jp/press/report/
・Measurement data collected at the sampling places that were added in conjunction with strengthening the monitoring are under examination.