

Nuclide Analysis Results of Fish and Shellfish (The Ocean Area Within 20km Radius of Fukushima Daiichi NPS)

Samples collected in 2nd quarter of FY2015

【Measurement result of fish's Sr-90 (half-life 29yrs)】

(Data summarized on December 9)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration (Bq/kg(Raw)) (half-life)	
			Sr-90 (half-life 29 yrs)	*Ref : (Total of Cs-134 and Cs-137)
Angel shark(muscle)	Around 3km Offshore of Odaka Ward (T-S2)	Sep 17, 2015	0.086	110
Angel shark(muscle)	Around 2km Offshore of Kido River (T-S5)	Sep 3, 2015	0.035	45.1
Banded dogfish(muscle)	Around 2km Offshore of Kido River (T-S5)	Sep 3, 2015	0.18	89
Angel shark(muscle)	Offshore 2km vicinity of Fukushima Daiichi NPS (T-S7)	Jul 3, 2015	0.030	45.1
Microstomus achne(muscle)	Offshore 2km vicinity of Fukushima Daiichi NPS (T-S7)	Jul 3, 2015	0.47	49
Flathead (Platycephalus sp.) (muscle)	Around 4km Offshore of Kumagawa (T-S8)	Aug 3, 2015	0.38	53

* Standard value (Since April 1, 2012) The total of Cs-134 and Cs-137: 100Bq/kg

*Analysis of Sr-90 was conducted by THE GENERAL ENVIRONMENTAL TECHNOS CO., LTD

* Measured whole body of fish

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【Measurement result of fish's tritium (half-life 12yrs)】 Place of Sampling (Place No.): Around 4km Offshore of Kumagawa (T-S8) (Data summarized on December 9)

Name of Sample (Region)	Date of Sampling	tritium concentration (Bq/L)		tritium concentration (Bq/kg(Raw))		Ref (Total of Cs-134 and Cs-137) (Bq/Kg) (Raw))
		Free Water Tritium	Organically bound tritium	Free Water Tritium	Organically bound tritium	
Flatfish(muscle)	Jul 13, 2015	0.091	ND(0.27)	0.071	ND(0.038)	8.0
Flatfish(muscle)	Aug 3, 2015	0.067	ND(0.28)	0.052	ND(0.039)	4.1
Flatfish(muscle)	Sep 14, 2015	0.10	ND(0.27)	0.084	ND(0.036)	15.5

<Reference>

	Date of Sampling	Tritium concentration (Bq/L)
Around 4km Offshore of Kumagawa (T-S8) Sea water	Jul 13, 2015	0.077
	Aug 2, 2015	0.095
	Sep 13, 2015	0.15

* Standard value (Since April 1, 2012) The total of Cs-134 and Cs-137: 100Bq/kg

* Tritium analysis conducted by Kyushu Environmental Evaluation Association

* Measured edible portion (Muscle)

* Free Water Tritium is the tritium in the moisture content of the muscle of the fish. Compare with the tritium concentration of the sea water where the fish lives.

* Organically bound tritium is the tritium included in dried fish muscle. The tritium concentration appears at the time the dried fish muscle burns.

*ND means less than detection limit, the detection limit value shown in parentheses.