

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

Sampled fishes in 1st quarter FY 2015

【Measurement result of Sr-90 in the fishes (half life 29 yrs)】

(Data summarized on September 9)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration (Bq/Kg (Raw)) (Half-life)	
			Sr-90 * (Roughly 29 yrs)	Ref (Total of Cs-134 and Cs-137)
Stingray(muscle)	Around 3km Offshore of Odaka Ward (T-S2)	May 22, 2015	0.036	256
Marbled sole(muscle)	Around 2km Offshore of Kido River (T-S5)	April 13, 2015	0.46	166
Microstomus achne(muscle)	Offshore 2km vicinity of Fukushima Daiichi NPS(T-S7)	April 13, 2015	0.64	91
Microstomus achne(muscle)	Offshore 2km vicinity of Fukushima Daiichi NPS(T-S7)	June 5, 2015	0.54	84
Microstomus achne(muscle)	Around 4km Offshore of Kumagawa (T-S8)	May 11, 2015	0.25	77

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

\* Sr-90 analysis is made by THE GENERAL ENVIRONMENTAL TECHNOS CO., LTD

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

### Sampled fishes in 1st quarter FY 2015

【Measurement result of Tritium in the fishes (half life 12 yrs)】 Place of Sampling(Place No.) : Around 4km Offshore of Kumagawa (T-S8) (Data summarized on Sep 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)	May 11, 2015	0.11	ND(0.26)	0.090	ND(0.036)	7.5
Flatfish(muscle)	June 8, 2015	0.091	ND(0.26)	0.070	ND(0.038)	ND

<Reference>

	Date of Sampling	Tritium concentration (Bq/L)
Around 4km Offshore of Kumagawa (T-S8) Sea water	April 19, 2015	0.11
	May 10, 2015	0.095
	June 7, 2015	0.086

\*Standard value (Since April 1, 2012): Total of Cs-134 and Cs-137: 100Bq per 1kg of food.

\* Tritium analysis is made by Kyushu Environmental Evaluation Association

\* Measured at Muscle part ( edible portion )

\* Free Water Tritium means the tritium included in the muscle water of the fish. It compare with the tritium concentration in the sea water where the fishes live.

\* Organically bound tritium means the tritium which included in dried fishes, it shows tritium concentration included in the vapor occurred by burning muscle of the dried fishes.

\* Measurement result shows by two digit accuracy

\* ND means Not detectable, ( ) shows detection limit.