

(News Release)
The Results of Radioactive Material Monitoring
on the Coast of Fukushima Prefecture
(November Samples)

<Simultaneously released to the Fukushima Prefecture Press Club>

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In accordance with the Comprehensive Radiation Monitoring Plan determined by the Monitoring Coordination Meeting, the Ministry of the Environment (MOE) is continuing to monitor radioactive materials in water environments (surface water areas (rivers, lakes and headwaters, and coasts), etc.).

Samples taken along the coast of Fukushima Prefecture during the period of November 14-22, 2013 have been measured as part of MOE's efforts to monitor radioactive materials; the results have recently been compiled and are released here.

The results of monitoring of radioactive materials carried out to date can be found at the following web page: <http://www.env.go.jp/jishin/rmp.html#monitoring>

1. Survey Overview

(1) Survey Locations

15 environmental reference points, etc. along the coast of Fukushima Prefecture

(2) Survey Method

- Measurement of concentrations of radioactive materials (radioactive cesium (Cs-134 and Cs-137)) in water and sediment

2. Outline of Results (* denotes the results of the previous survey (October 2013))

(1) Water Quality (lower detection limit: 1Bq/L)

Cs-134 + Cs-137: Not detectable (ND) at any location (*ND at any location)

<Reference>

Specification and Standards for Food, Food Additives, etc. in accordance with the Food Sanitation Act (Drinking Water) (Ministry of Health, Labour and Welfare Public Notice No.130, March 15, 2012)

Radioactive cesium (total for Cs-134+Cs-137): 10Bq/kg

Target value for radioactive materials in tap water (management target for water supply facilities) (March 5, 2012; 0305 Notice No.1 from the Director of the Water Supply Division, Health Service Bureau, Ministry of Health, Labour and Welfare)

Radioactive cesium (total for Cs-134+Cs-137): 10Bq/kg

(2) Sediment (Lower detection limit: 10Bq/kg (dried mud))

Overall, the levels were around 500Bq/kg or below at almost all locations, and have declined or remained constant.

Cs-134 + Cs-137: ND- 530Bq/kg (dried mud) (*ND-610Bq/kg (dried mud))

<Reference> Number of locations by radioactive cesium concentration (500Bq/kg)
Numbers in () denote results measured on the previous occasion.

	500 or below	501 -1,000	1,001 -1,500	1,501 -2,000	2,001 -2,500	2,501 Or more	Total
Coasts	13 (13)	2 (2)	0 (0)	-	-	-	15 (15)

(Annex for details)
(Map attached)

Future Plans

MOE intends to continue to measure radioactive materials since concentrations of radioactive materials seem to show fluctuations, depending on locations, due to minor differences in sampling points or properties of samples of each survey.

○Coast: Water Quality Monitoring Results

(Annex)

Sampling point			Sampling date	Weather	Full depth (m)	General items					Radioactive material concentrations (Bq/L)		Remarks
No.	Water body					Sampling depth (m)	Secchi disk depth (m)	Salinity (‰)	SS (mg/L)	Turbidity	Radioactive cesium		
											Cs-134	Cs-137	
1	Neighboring sea area of Soso	Approx. 2,000 m offshore of Tsurushihama Fishing Port	Surface layer	2013/11/14	Sunny	14.8	0.5	4.7	29	3	1	<1	<1
			Lower layer				13.8		29	4	1	<1	<1
2	Matsukawaura sea area	Around center of Fishing Right Area-1	Surface layer	2013/11/14	Sunny	1.9	0.5	>1.9	28	4	1	<1	<1
			Lower layer				0.9		28	4	1	<1	<1
3	Neighboring sea area of Soso	Approx. 2,000 m offshore of Manogawa River	Surface layer	2013/11/18	Sunny	19.7	0.5	3.9	29	3	1	<1	<1
			Lower layer				18.7		30	9	2	<1	<1
4	Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Niidagawa River	Surface layer	2013/11/21	Sunny	8.3	0.5	1.5	30	13	6	<1	<1
			Lower layer				7.3		30	12	4	<1	<1
5	Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Otagawa River	Surface layer	2013/11/18	Sunny	11.1	0.5	2.0	29	3	5	<1	<1
			Lower layer				10.1		30	11	6	<1	<1
6	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Odakagawa River	Surface layer	2013/11/18	Sunny	11.8	0.5	2.3	29	7	3	<1	<1
			Lower layer				10.8		29	10	4	<1	<1
7	Neighboring sea area of Soso District	Approx. 2,000 m offshore of Ukedogawa River	Surface layer	2013/11/21	Sunny	16.1	0.5	2.2	31	5	3	<1	<1
			Lower layer				15.1		31	14	5	<1	<1
8	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Kumagawa River	Surface layer	2013/11/15	Cloudy	12.2	0.5	4.6	29	3	1	<1	<1
			Lower layer				11.2		29	2	1	<1	<1
9	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Tomiokagawa River	Surface layer	2013/11/15	Cloudy	10.8	0.5	3.8	29	2	2	<1	<1
			Lower layer				9.8		29	4	2	<1	<1
10	Neighboring sea area of Narahamachi Town	Approx. 1,000 m offshore of Kidogawa River	Surface layer	2013/11/21	Sunny	9.9	0.5	2.2	29	4	2	<1	<1
			Lower layer				8.9		30	3	4	<1	<1
11	Approx. 1,000 m offshore of Asamigawa River estuary		Surface layer	2013/11/21	Sunny	11.7	0.5	2.5	29	4	2	<1	<1
			Lower layer				10.7		30	16	9	<1	<1
12	Approx. 1,000 m offshore of Ohisagawa River Estuary		Surface layer	2013/11/21	Cloudy	11.5	0.5	2.6	30	6	3	<1	<1
			Lower layer				10.5		30	11	2	<1	<1
13	Neighboring sea area of Iwakishi City	Approx. 1,500 m offshore of Natsugawa River	Surface layer	2013/11/22	Sunny	17.8	0.5	3.5	30	4	2	<1	<1
			Lower layer				16.8		30	4	2	<1	<1
14	Onahama Port	Approx. 400 m north of Nishibouhatei No. 2	Surface layer	2013/11/22	Cloudy	16.8	0.5	3.1	30	5	2	<1	<1
			Lower layer				15.8		30	2	1	<1	<1
15	Joban coastal sea area	Approx. 1,000 m offshore of Bindagawa River	Surface layer	2013/11/22	Sunny	18.2	0.5	3.4	28	3	2	<1	<1
			Lower layer				17.2		30	4	2	<1	<1

• Sampling points are listed from north to south.

• Radioactive materials concentrations contain some measurement errors but are not noted here.

○Coast: Sediment Monitoring Results

Sampling point		Sampling date	Weather	Full depth (m)	General items			Concentration of radioactive material [Bq/kg (dried mud)]			Remarks
No.	Water body				Mud sampling depth (cm)	Mud content %	Property	Radioactive cesium			
								Cs-134	Cs-137	Total	
1	Neighboring sea area of Soso	Approx. 2,000 m offshore of Tsurushihama Fishing Port	2013/11/14	Sunny	14.8	10	76	Sand	<10	<10	-
2	Matsukawaura sea area	Around center of Fishing Right Area-1	2013/11/14	Sunny	1.9	10	79	Sand/silt	28	61	89
3	Neighboring sea area of Soso	Approx. 2,000 m offshore of Manogawa River	2013/11/18	Sunny	19.7	10	75	Sand/silt	20	41	61
4	Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Niidagawa River	2013/11/21	Sunny	8.3	10	77	Sand/silt	24	46	70
5		Approx. 1,000 m offshore of Otagawa River	2013/11/18	Sunny	11.1	10	75	Sand	14	30	44
6	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Odakagawa River	2013/11/18	Sunny	11.8	10	74	Sand	18	46	64
7		Approx. 2,000 m offshore of Ukedogawa River	2013/11/21	Sunny	16.1	10	74	Sand/silt	84	210	294
8		Approx. 1,000 m offshore of Kumagawa River	2013/11/15	Cloudy	12.2	10	77	Sand	120	280	400
9		Approx. 1,000 m offshore of Tomiokagawa River	2013/11/15	Cloudy	10.8	10	75	Sand	150	380	530
10	Neighboring sea area of Narahamachi Town	Approx. 1,000 m offshore of Kidogawa River	2013/11/21	Sunny	9.9	10	76	Sand	73	170	243
11	Approx. 1,000 m offshore of Asamigawa River estuary		2013/11/21	Sunny	11.7	10	76	Sand	84	170	254
12	Approx. 1,000 m offshore of Ohisagawa River Estuary		2013/11/21	Cloudy	11.5	10	74	Sand	47	120	167
13	Neighboring sea area of Iwakishi City	Approx. 1,500 m offshore of Natsuigawa River	2013/11/22	Sunny	17.8	10	79	Sand	15	34	49
14	Onahama Port	Approx. 400 m north of Nishibouhatei No. 2	2013/11/22	Cloudy	16.8	10	62	Silt	150	370	520
15	Joban coastal sea area	Approx. 1,000 m offshore of Bindagawa River	2013/11/22	Sunny	18.2	10	72	Sand	31	73	104

• Sampling points are listed from north to south.

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