

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

<Simultaneously released to the Fukushima Prefecture Press Club>

Friday, September 27, 2013  
Water Environment Division,  
Environment Management Bureau,  
Ministry of the Environment  
Direct line: 03-5521-8316  
Switchboard: 03-3581-3351  
Director: Masanobu Miyazaki (ext. 6610)  
Deputy Director: Saori Nagasawa (ext. 6614)  
Coordinator: Katsuhiko Sato (ext. 6628)

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 August 19-27, 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 (July 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 1,000Bq/kg or below at almost all locations, and had a declining tendency.

Cs-134 + Cs-137: 15-1,240Bq/kg (dried mud) (\*ND-1,600Bq/kg (dried mud))

<Reference> Number of locations by radioactive cesium concentration (1,000Bq/kg)  
Numbers in ( ) denote results measured on the previous occasion.

	1,000 or below	1,001 -2,000	2,001 -3,000	3,001 -4,000	4,001 -5,000	5,001 or more	Total
Coasts	14 (29)	1 (1)	-	-	-	-	15 (30)

(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	2013/8/20	Light rain	14.9	0.5	7.5	29	2	0.6	<1	<1
			Lower layer				13.9		30	<1	0.7	<1	<1
2	Matsukawaura sea area	Around center of Fishing Right Area-1	Surface layer	2013/8/19	Sunny	1.9	0.5	>1.9	29	4	0.7	<1	<1
			Lower layer				0.9		29	6	1.0	<1	<1
3	Neighboring sea area of Soso	Approx. 2,000 m offshore of Manogawa River	Surface layer	2013/8/21	Cloudy	18.8	0.5	6.5	29	<1	0.4	<1	<1
			Lower layer				17.8		30	5	1.3	<1	<1
4	Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Niidagawa River	Surface layer	2013/8/19	Sunny	7.4	0.5	5.0	30	1	0.7	<1	<1
			Lower layer				6.4		30	2	0.9	<1	<1
5	Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Otagawa River	Surface layer	2013/8/21	Cloudy	11.4	0.5	5.5	30	1	0.7	<1	<1
			Lower layer				10.4		30	5	1.2	<1	<1
6	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Odakagawa River	Surface layer	2013/8/19	Sunny	11.0	0.5	4.5	29	1	0.8	<1	<1
			Lower layer				10.0		30	4	0.7	<1	<1
7	Neighboring sea area of Soso District	Approx. 2,000 m offshore of Ukedogawa River	Surface layer	2013/8/21	Cloudy	15.7	0.5	4.3	29	2	1.0	<1	<1
			Lower layer				14.7		30	6	1.2	<1	<1
8	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Kumagawa River	Surface layer	2013/8/22	Sunny	11.6	0.5	5.5	29	<1	0.9	<1	<1
			Lower layer				10.6		30	3	0.8	<1	<1
9	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Tomiokagawa River	Surface layer	2013/8/22	Sunny	10.1	0.5	5.5	29	1	0.7	<1	<1
			Lower layer				9.1		30	2	0.9	<1	<1
10	Neighboring sea area of Narahamachi Town	Approx. 1,000 m offshore of Kidogawa River	Surface layer	2013/8/26	Sunny	10.4	0.5	7.7	28	2	1.1	<1	<1
			Lower layer				9.4		29	4	1.3	<1	<1
11	Approx. 1,000 m offshore of Asamigawa River estuary		Surface layer	2013/8/26	Sunny	10.8	0.5	7.6	29	1	1.1	<1	<1
			Lower layer				9.8		29	2	0.9	<1	<1
12	Approx. 1,000 m offshore of Ohisagawa River estuary		Surface layer	2013/8/26	Sunny	10.7	0.5	9.1	28	2	0.5	<1	<1
			Lower layer				9.7		29	2	0.9	<1	<1
13	Neighboring sea area of Iwakishi City	Approx. 1,500 m offshore of Natsugawa River	Surface layer	2013/8/27	Sunny	18.5	0.5	12.3	28	<1	0.4	<1	<1
			Lower layer				17.5		29	4	0.7	<1	<1
14	Onahama Port	Approx. 400 m north of Nishibouhatei No. 2	Surface layer	2013/8/27	Sunny	17.1	0.5	3.2	26	2	1.3	<1	<1
			Lower layer				16.1		29	4	1.4	<1	<1
15	Joban coastal sea area	Approx. 1,000 m offshore of Bindagawa River	Surface layer	2013/8/27	Sunny	18.1	0.5	9.1	28	<1	0.9	<1	<1
			Lower layer				17.1		29	2	0.4	<1	<1

• Sampling points are listed from north to south.

○Coast: Sediment Monitoring Results

No.	Water body		Sampling date	Weather	Full depth (m)	General items			Concentration of radioactive material [Bq/kg (dried mud)]			Remarks
						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	2013/8/20	Light rain	14.9	10	74	Sand	12	32	44	
2	Matsukawaura sea area	Around center of Fishing Right Area-1	2013/8/19	Sunny	1.9	10	72	Sand/silt	16	32	48	
3	Neighboring sea area of Soso	Approx. 2,000 m offshore of Manogawa River	2013/8/21	Cloudy	18.8	10	79	Sand	18	37	55	
4	Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Niidagawa River	2013/8/19	Sunny	7.4	10	74	Sand	20	41	61	
5		Approx. 1,000 m offshore of Otagawa River	2013/8/21	Cloudy	11.4	10	74	Sand	<10	15	15	
6		Approx. 1,000 m offshore of Odakagawa River	2013/8/19	Sunny	11.0	10	76	Sand	15	24	39	
7	Neighboring sea area of Soso District	Approx. 2,000 m offshore of Ukedogawa River	2013/8/21	Cloudy	15.7	10	78	Sand/silt	390	850	1,240	
8		Approx. 1,000 m offshore of Kumagawa River	2013/8/22	Sunny	11.6	10	73	Sand	200	420	620	
9		Approx. 1,000 m offshore of Tomiokagawa River	2013/8/22	Sunny	10.1	10	75	Sand	140	300	440	
10	Neighboring sea area of Narahamachi Town	Approx. 1,000 m offshore of Kidogawa River	2013/8/26	Sunny	10.4	10	77	Sand	44	110	154	
11	Approx. 1,000 m offshore of Asamigawa River estuary		2013/8/26	Sunny	10.8	10	75	Sand	71	170	241	
12	Approx. 1,000 m offshore of Ohisagawa River estuary		2013/8/26	Sunny	10.7	10	78	Sand	38	87	125	
13	Neighboring sea area of Iwakishi City	Approx. 1,500 m offshore of Natsugawa River	2013/8/27	Sunny	18.5	10	74	Sand	22	41	63	
14	Onahama Port	Approx. 400 m north of Nishibouhatei No. 2	2013/8/27	Sunny	17.1	10	49	Silt	250	490	740	
15	Joban coastal sea area	Approx. 1,000 m offshore of Bindagawa River	2013/8/27	Sunny	18.1	10	71	Sand	59	130	189	

\* Sampling points are listed from north to south.

