

(News Release)
The Results of Radioactive Material Monitoring
on the Coast of Fukushima Prefecture
(July 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 July 2-30, 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 (June 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))

At the majority of locations, the levels were around 1,000Bq/kg or below, but in comparison to other locations, high figures were seen around the area 1,000m offshore of Tomioka River (No.9) in the south of the Tokyo Electric Power Company's Fukushima Daiichi Nuclear Power Station. In terms of the overall trend, the levels had a declining tendency in most of the locations.

Cs-134 + Cs-137: ND-1,600Bq/kg (dried mud) (*15-620Bq/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	29 (15)	1 (0)	-	-	-	-	30 (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	2013/7/2	Sunny	14.0	0.5	4.6	30	<1	0.3	<1	<1
			Lower layer				13.0		2		1.0	<1	<1
			Surface layer	2013/7/17	Cloudy	15.5	0.5	2.7	26	4	4.3	<1	<1
			Lower layer				14.5	2	1.3	<1	<1		
2	Matsukawaura sea area	Around center of Fishing Right Area-1	Surface layer	2013/7/4	Cloudy	1.8	0.5	>1.8	28	4	1.8	<1	<1
			Lower layer				0.8	4	2.0	<1	<1		
			Surface layer	2013/7/25	Cloudy	1.7	0.5	1.1	25	6	8.4	<1	<1
			Lower layer				0.7	6	8.4	<1	<1		
3	Neighboring sea area of Soso	Approx. 2,000 m offshore of Manogawa River	Surface layer	2013/7/4	Cloudy	18.9	0.5	6.6	28	1	0.5	<1	<1
			Lower layer				17.9	3	1.3	<1	<1		
			Surface layer	2013/7/25	Cloudy	19.3	0.5	11.5	27	2	0.7	<1	<1
			Lower layer				18.3	1	0.4	<1	<1		
4	Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Niidagawa River	Surface layer	2013/7/3	Cloudy	7.9	0.5	4.1	28	4	1.5	<1	<1
			Lower layer				6.9	5	1.7	<1	<1		
			Surface layer	2013/7/24	Cloudy	7.7	0.5	4.0	24	3	2.5	<1	<1
			Lower layer				6.7	4	2.5	<1	<1		
5	Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Otogawa River	Surface layer	2013/7/3	Cloudy	10.5	0.5	6.5	28	2	0.8	<1	<1
			Lower layer				9.5	4	1.5	<1	<1		
			Surface layer	2013/7/24	Cloudy	10.8	0.5	4.5	27	1	1.4	<1	<1
			Lower layer				9.8	1	1.0	<1	<1		
6	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Odakagawa River	Surface layer	2013/7/3	Cloudy	10.9	0.5	5.9	28	1	0.8	<1	<1
			Lower layer				9.9	2	1.2	<1	<1		
			Surface layer	2013/7/24	Cloudy	10.6	0.5	4.5	27	1	1.6	<1	<1
			Lower layer				9.6	2	1.0	<1	<1		
7	Neighboring sea area of Soso District	Approx. 2,000 m offshore of Ukedogawa River	Surface layer	2013/7/4	Cloudy	14.7	0.5	4.9	29	2	1.0	<1	<1
			Lower layer				13.7	7	1.5	<1	<1		
			Surface layer	2013/7/29	Cloudy	16.5	0.5	3.8	23	6	3.5	<1	<1
			Lower layer				15.5	7	2.4	<1	<1		
8	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Kumagawa River	Surface layer	2013/7/9	Sunny	11.3	0.5	9.0	28	1	0.5	<1	<1
			Lower layer				10.3	2	0.7	<1	<1		
			Surface layer	2013/7/30	Cloudy	12.2	0.5	4.5	26	1	1.1	<1	<1
			Lower layer				11.2	2	0.8	<1	<1		
9	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Tomisakagawa River	Surface layer	2013/7/9	Sunny	9.6	0.5	9.0	28	2	0.6	<1	<1
			Lower layer				8.6	4	0.6	<1	<1		
			Surface layer	2013/7/30	Cloudy	10.2	0.5	4.6	26	1	1.0	<1	<1
			Lower layer				9.2	1	1.1	<1	<1		
10	Neighboring sea area of Narahamachi Town	Approx. 1,000 m offshore of Kidogawa River	Surface layer	2013/7/4	Cloudy	9.5	0.5	6.0	32	1	1.1	<1	<1
			Lower layer				8.5	6	3.1	<1	<1		
			Surface layer	2013/7/22	Cloudy	12.0	0.5	2.0	27	2	2.3	<1	<1
			Lower layer				11.0	3	1.5	<1	<1		
11	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Asamigawa River estuary	Surface layer	2013/7/4	Cloudy	11.1	0.5	6.5	31	8	2.3	<1	<1
			Lower layer				10.1	<1	0.8	<1	<1		
			Surface layer	2013/7/22	Cloudy	10.9	0.5	2.8	28	2	2.0	<1	<1
			Lower layer				9.9	3	1.4	<1	<1		
12	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Ohisagawa River estuary	Surface layer	2013/7/4	Cloudy	11.0	0.5	3.7	31	3	1.7	<1	<1
			Lower layer				10.0	4	1.5	<1	<1		
			Surface layer	2013/7/22	Cloudy	10.8	0.5	3.2	28	4	2.5	<1	<1
			Lower layer				9.8	5	2.3	<1	<1		
13	Neighboring sea area of Iwakishi City	Approx. 1,500 m offshore of Natsugawa River	Surface layer	2013/7/5	Cloudy	17.0	0.5	8.6	30	4	0.5	<1	<1
			Lower layer				16.0	2	0.5	<1	<1		
			Surface layer	2013/7/23	Cloudy	14.5	0.5	7.5	27	2	1.7	<1	<1
			Lower layer				13.5	1	0.4	<1	<1		
14	Onahama Port	Approx. 400 m north of Nishibouhatei No. 2	Surface layer	2013/7/9	Sunny	16.2	0.5	2.0	22	5	3.0	<1	<1
			Lower layer				15.2	4	1.7	<1	<1		
			Surface layer	2013/7/23	Sunny	15.6	0.5	0.5	16	18	12.0	<1	<1
			Lower layer				14.6	4	2.0	<1	<1		
15	Johan coastal sea area	Approx. 1,000 m offshore of Bindagawa River	Surface layer	2013/7/9	Sunny	17.3	0.5	2.5	30	4	3.3	<1	<1
			Lower layer				16.3	2	0.7	<1	<1		
			Surface layer	2013/7/22	Sunny	18.4	0.5	7.2	30	1	0.9	<1	<1
			Lower layer				17.4	1	0.9	<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	2013/7/2	Sunny	14.0	10	71	Sand	<10	12	12	
			2013/7/17	Cloudy	15.5	10	76	Sand/silt	<10	<10	-	
2	Matsukawaura sea area	Around center of Fishing Right Area-1	2013/7/4	Cloudy	1.8	10	77	Sand	<10	18	18	
			2013/7/25	Cloudy	1.7	10	78	Sand	<10	11	11	
3	Neighboring sea area of Soso	Approx. 2,000 m offshore of Manogawa River	2013/7/4	Cloudy	18.9	10	73	Sand	12	24	36	
			2013/7/25	Cloudy	19.3	10	77	Sand/silt	<10	17	17	
4	Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Niidagawa River	2013/7/3	Cloudy	7.9	10	77	Sand	12	21	33	
			2013/7/24	Cloudy	7.7	10	76	Sand	12	26	38	
5	Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Otagawa River	2013/7/3	Cloudy	10.5	10	74	Sand	<10	14	14	
			2013/7/24	Cloudy	10.8	10	76	Sand	11	27	38	
6	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Odakagawa River	2013/7/3	Cloudy	10.9	10	74	Sand	11	20	31	
			2013/7/24	Cloudy	10.6	10	73	Sand	12	32	44	
7	Neighboring sea area of Soso District	Approx. 2,000 m offshore of Ukedogawa River	2013/7/4	Cloudy	14.7	10	72	Sand/silt	140	280	420	
			2013/7/29	Cloudy	16.5	10	73	Sand/silt	74	160	234	
8	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Kumagawa River	2013/7/9	Sunny	11.3	10	78	Sand	180	390	570	
			2013/7/30	Cloudy	12.2	10	74	Sand	200	420	620	
9	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Tomiokagawa River	2013/7/9	Sunny	9.6	10	78	Sand/silt	150	330	480	
			2013/7/30	Cloudy	10.2	10	67	Sand/silt	500	1,100	1,600	
10	Neighboring sea area of Narahamachi Town	Approx. 1,000 m offshore of Kidogawa River	2013/7/4	Cloudy	9.5	10	74	Sand	100	190	290	
			2013/7/22	Cloudy	12.0	10	76	Sand	71	180	251	
11	Approx. 1,000 m offshore of Asamigawa River estuary	Approx. 1,000 m offshore of Asamigawa River estuary	2013/7/4	Cloudy	11.1	10	71	Sand	100	190	290	
			2013/7/22	Cloudy	10.9	10	77	Sand	60	130	190	
12	Approx. 1,000 m offshore of Ohisagawa River estuary	Approx. 1,000 m offshore of Ohisagawa River estuary	2013/7/4	Cloudy	11.0	10	74	Sand	43	88	131	
			2013/7/22	Cloudy	10.8	10	78	Sand	29	73	102	
13	Neighboring sea area of Iwakishi City	Approx. 1,500 m offshore of Natsugawa River	2013/7/5	Cloudy	17.0	10	78	Sand	19	41	60	
			2013/7/23	Cloudy	14.5	10	76	Sand	17	38	55	
14	Onahama Port	Approx. 400 m north of Nishibouhatei No. 2	2013/7/9	Sunny	16.2	10	53	Silt/sand	160	300	460	
			2013/7/23	Sunny	15.6	10	41	Silt	130	270	400	
15	Joban coastal sea area	Approx. 1,000 m offshore of Bindagawa River	2013/7/9	Sunny	17.3	5	73	Sand	41	98	139	
			2013/7/22	Sunny	18.4	10	75	Sand	34	74	108	

• Sampling points are listed from north to south.

