

(Announcement)
 The Results of Radioactive Material Monitoring
 on the Coast of Fukushima Prefecture
 (January Samples)

1. Survey Overview

(1) Survey Period

January 8-14, 2014

(2) Survey Locations

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

(3) 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 (December 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: 13-700Bq/kg (dried mud) (*ND-870Bq/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 (12)	2 (3)	-	-	-	-	15 (15)

(Annex for details)

(Map attached)

3. 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.

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○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	2014/1/14	Sunny	15.8	0.5	6.7	29	3	1	<1	<1	
		Lower layer				14.8		29	2	2	<1	<1	
2	Matsukawaura sea area	Around center of Fishing Right Area-1	2014/1/14	Sunny	2.0	0.5	>2.0	29	2	2	<1	<1	
						Lower layer		1.0	29	2	2	<1	<1
3	Neighboring sea area of Soso	Approx. 2,000 m offshore of Manogawa River	2014/1/8	Cloudy	19.6	0.5	5.2	29	3	1	<1	<1	
						Lower layer		18.6	30	3	1	<1	<1
4	Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Niidagawa River	2014/1/9	Cloudy	8.6	0.5	1.8	29	10	3	<1	<1	
						Lower layer		7.6	29	15	4	<1	<1
5	Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Otagawa River	2014/1/8	Cloudy	11.2	0.5	4.0	29	5	1	<1	<1	
						Lower layer		10.2	29	6	2	<1	<1
6	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Odakagawa River	2014/1/8	Cloudy	11.0	0.5	4.5	29	3	1	<1	<1	
						Lower layer		10.0	29	3	1	<1	<1
7	Neighboring sea area of Soso District	Approx. 2,000 m offshore of Ukedogawa River	2014/1/9	Cloudy	16.5	0.5	5.0	29	2	1	<1	<1	
						Lower layer		15.5	29	2	1	<1	<1
8	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Kumagawa River	2014/1/10	Sunny	12.6	0.5	2.9	29	6	2	<1	<1	
						Lower layer		11.6	29	8	3	<1	<1
9	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Tomiokagawa River	2014/1/10	Sunny	10.7	0.5	2.9	29	7	3	<1	<1	
						Lower layer		9.7	29	11	3	<1	<1
10	Neighboring sea area of Narahamachi Town	Approx. 1,000 m offshore of Kidogawa River	2014/1/9	Cloudy	11.6	0.5	2.3	30	16	4	<1	<1	
						Lower layer		10.6	30	20	4	<1	<1
11	Approx. 1,000 m offshore of Asamigawa River Estuary		2014/1/9	Cloudy	12.2	0.5	3.5	30	4	1	<1	<1	
						Lower layer		11.2	30	5	2	<1	<1
12	Approx. 1,000 m offshore of Ohisagawa River Estuary		2014/1/9	Cloudy	11.2	0.5	2.5	30	9	3	<1	<1	
						Lower layer		10.2	30	10	2	<1	<1
13	Neighboring sea area of Iwakishi City	Approx. 1,500 m offshore of Natsugawa River	2014/1/10	Sunny	17.5	0.5	3.2	31	4	1	<1	<1	
						Lower layer		16.5	31	8	2	<1	<1
14	Onahama Port	Approx. 400 m north of Nishibouhatei No. 2	2014/1/10	Sunny	17.0	0.5	2.3	30	6	2	<1	<1	
						Lower layer		16.0	30	8	3	<1	<1
15	Joban coastal sea area	Approx. 1,000 m offshore of Bindagawa River	2014/1/10	Sunny	18.2	0.5	6.0	30	3	1	<1	<1	
						Lower layer		17.2	30	3	1	<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	2014/1/14	Sunny	15.8	10	70	Sand/silt	20	61	81	
2	Matsukawaura sea area	Around center of Fishing Right Area-1	2014/1/14	Sunny	2.0	10	70	Sand/silt	44	120	164	
3	Neighboring sea area of Soso	Approx. 2,000 m offshore of Manogawa River	2014/1/8	Cloudy	19.6	10	75	Sand	<10	13	13	
4	Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Niidagawa River	2014/1/9	Cloudy	8.6	10	76	Sand	15	28	43	
5		Approx. 1,000 m offshore of Otagawa River	2014/1/8	Cloudy	11.2	10	75	Sand	22	59	81	
6		Approx. 1,000 m offshore of Odakagawa River	2014/1/8	Cloudy	11.0	10	75	Sand	11	34	45	
7		Approx. 2,000 m offshore of Ukedogawa River	2014/1/9	Cloudy	16.5	10	78	Sand/silt	42	91	133	
8		Approx. 1,000 m offshore of Kumagawa River	2014/1/10	Sunny	12.6	10	76	Sand	210	490	700	
9	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Tomiokagawa River	2014/1/10	Sunny	10.7	10	76	Sand	150	360	510	
10	Neighboring sea area of Narahamachi Town	Approx. 1,000 m offshore of Kidogawa River	2014/1/9	Cloudy	11.6	10	73	Sand	58	140	198	
11	Approx. 1,000 m offshore of Asamigawa River Estuary		2014/1/9	Cloudy	12.2	10	75	Sand	52	140	192	
12	Approx. 1,000 m offshore of Ohisagawa River Estuary		2014/1/9	Cloudy	11.2	10	74	Sand	45	110	155	
13	Neighboring sea area of Iwakishi City	Approx. 1,500 m offshore of Natsugawa River	2014/1/10	Sunny	17.5	10	75	Sand	24	66	90	
14	Onahama Port	Approx. 400 m north of Nishibouhatei No. 2	2014/1/10	Sunny	17.0	10	58	Silt	100	270	370	
15	Joban coastal sea area	Approx. 1,000 m offshore of Bindagawa River	2014/1/10	Sunny	18.2	10	73	Sand	32	90	122	

• Sampling points are listed from north to south.

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**Fukushima Daiichi
Nuclear Power Station**

Legend
● Coasts

0 10 20 km

