

(News Release)
The Results of Additional Radioactive Material Monitoring
of the Surface Water Bodies
(April-September 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 bodies (rivers, lakes and headwaters, and coasts), etc.).

To date, monitoring of radioactive iodine and radioactive cesium has been carried out and their results have been released from time to time. Additionally, monitoring of radiostrontium in sediment has been carried out at various locations (sampling period: April-September, 2012: locations in Miyagi Prefecture, Fukushima Prefecture, Ibaraki Prefecture, Tochigi Prefecture, Gunma Prefecture, Chiba Prefecture, etc.), and the results are released here.

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

1. Monitoring Overview

(1) Monitoring Locations

Among the survey locations in each prefecture, those locations of which readings of radioactive cesium in sediment were relatively high:

- Miyagi Prefecture: 5 locations (Rivers 4, Lake and headwater 1)
- Fukushima Prefecture: 43 locations (Rivers 14, Lakes and headwaters 20, Coasts 9)
- Ibaraki Prefecture: 5 locations (Rivers 2, Lakes and headwaters 3)
- Tochigi Prefecture, Gunma Prefecture: 2 locations each (River 1, Lake and headwater 1)
- Chiba Prefecture: 4 locations (Rivers 2, Lakes and headwaters 2)
- Tokyo Prefecture: 1 location (Coast 1)

In total: 62 locations

(2) Monitoring item

Radiostrontium (Sr-90) in sediment

2. Outline of Results

Except for the area in the vicinity of the Tokyo Electric Power Company's Fukushima Daiichi Nuclear Power Station, the readings of radiostrontium (Sr-90) were within the range of measurements (soil samples) taken before the accident.

Sr-90 concentration detected in sediment in this additional monitoring: 1.2-37Bq/kg (dried mud)

*Readings of Sr-90 before the accident in Japan (soil sample): 0.20-14Bq/kg (dry)

(Source: FY2009 Environmental Radiation Level Monitoring Results Data)

(August FY2011 Japan Chemical Analysis Center)

(Annex for details)

(Map attached)

○Monitoring Results of Radiostrontium in Sediment of Surface Water Bodies (Rivers, Lakes and Headwaters, and Coasts)

Prefecture	Water Body/Survey Location	Municipality	Survey Results						Results of surveys conducted in 2011 (rereleased)							
			Specimen Sampling date	General items (rereleased)			Concentration of radioactive material in sediment Bq/kg (dried mud)		Specimen Sampling date	General items (rereleased)			Concentration of radioactive material in sediment Bq/kg (dried mud)			
				Mud sampling depth cm	Mud content %	Property	Sr-90	Cs-134+Cs-137 Total (rereleased)		Mud sampling depth cm	Mud content %	Property	Sr-90	Cs-134+Cs-137 Total (rereleased)		
Fukushima	Rivers	Hamaodori	Manogawa River, Majimabashi Bridge	2012/7/5	5	38	Silt	2.4	15,900	2011/9/16	10	30	Silt	3.0	28,000	
			Otagawa River, Ishiwatadobashi Bridge	2012/7/4	5	65	Silt/sand	7.4	61,000	-	-	-	-	-	-	
			Otagawa River, Masudabashi Bridge	2012/8/22	6	63	Mud	2.2	29,000	2011/9/16	5	47	Silt with sand	4.1	60,000	
		Ukedogawa River, Muroharabashi Bridge	2012/6/14	2	65	Silt	12	165,000	-	-	-	-	-	-		
		Ukedogawa River, Ukedobashi Bridge	2012/6/13	2	92	Sand/gravel	<0.76	12,400	-	-	-	-	-	-		
		Takasegawa River, Keiobashi Bridge	2012/7/3	2	60	Mud/sand	3.7	15,800	-	-	-	-	-	-		
		Maedagawa River, Nakahamabashi Bridge	2012/8/28	3	74	Mud	1.8	23,900	-	-	-	-	-	-		
		Kumagawa River, Mikumabashi Bridge	2012/6/14	5	73	Silt	4.4	41,000	-	-	-	-	-	-		
		Nakadori	Yantagawa River, before the confluence with Abukumagawa	Shirakawashi City	2012/5/2	3	83	Sludge	<0.85	4,300	-	-	-	-	-	
			Abukumagawa River, Akutsubashi Bridge	Koriyamashi City	2012/5/1	2	75	Sludge	<0.96	6,000	-	-	-	-	-	
	Matsukawa River, before the confluence with Abukumagawa		Fukushimashi City	2012/4/30	3	77	Sand	1.2	4,000	2011/9/17	5	80	Sand with gravel	1.2	15,200	
	Abukumagawa River, Taishobashi Bridge		Dateshi City	2012/4/29	5	67	Silt	1.4	3,800	2011/9/17	5	62	Sand with gravel	1.8	14,200	
	Aizu	Before the confluence with Hirosegawa and Abukumagawa		2012/5/8	3	44	Mud	3.1	20,000	-	-	-	-	-		
		Kyuyukawa River, Awanomiya Bridge	Yugawamura Village	2012/5/29	20	66	Sand	<1.1	2,010	2011/9/28	5	40	Silt	1.9	13,000	
	Lakes	Hamaodori	Somashi City	Matsugabo Dam (Utawako Lake)	2012/8/6	5	46	Silt	2.3	4,900	2011/9/28	10	28	Silt	4.2	22,000
				Ainosawa (farm pond)	Itatemura Village	2012/7/26	3	61	Sludge	8.3	59,000	-	-	-	-	-
				Takanokura Dam Reservoir		2012/8/8	5	81	Sand	4.2	12,400	2011/9/16	5	58	Gravel/sand with silt	3.3
			Minamisomashi City	Yokokawa Dam Reservoir		2012/8/8	5	73	Mud/sand	3.3	25,900	-	-	-	-	-
				Ryugasaku (farm pond)		2012/8/28	3	38	Sand/silt	7.8	47,000	-	-	-	-	-
				Koakuto (farm pond)		2012/7/5	2	50	Mud/sand	7	56,000	-	-	-	-	-
Yosouchi (farm pond)				Namiemachi Town	2012/7/26	3	73	Sand	17	70,000	-	-	-	-	-	
Namiemachi Town			Ogaki Dam		2012/8/28	3	90	Sand	2.4	13,600	-	-	-	-	-	
			Uenokawa (farm pond)	Katsuraomura Village	2012/7/5	2	33	Mud	5.6	21,200	-	-	-	-	-	
			Joroku (farm pond)	Namiemachi Town	2012/7/4	2	46	Mud	37	96,000	-	-	-	-	-	
		Nishihaguro (farm pond)	Futabamachi Town	2012/7/25	2	71	Silt	5.4	65,000	-	-	-	-	-		
		Sakashita Dam	Okumamachi Town	2012/8/29	5	66	Silt	3.2	17,600	-	-	-	-	-		
		Yonomori (farm pond)	Tomiokamachi Town	2012/7/4	3	58	Silt	6.8	62,000	-	-	-	-	-		
Narahamachi Town		Takikawa Dam		2012/7/25	3	62	Sand	3.5	28,000	-	-	-	-	-		
		Kamisigeoka No. 1 (farm pond)		2012/7/4	2	85	Sand	3.4	67,000	-	-	-	-	-		
		Shimoshigeoka (farm pond)		2012/9/4	1	32	Mud	4.5	77,000	-	-	-	-	-		
		Kido Dam		2012/8/23	5	42	Silt	4.3	7,400	2011/9/27	5	35	Silt with sand	6.8	11,400	
		Otsutsumi (farm pond)		2012/9/4	6	52	Mud	3.3	19,300	-	-	-	-	-		
		Miharumachi Town	Miharumachi Town	2012/8/22	5	51	Silt	2.5	4,400	-	-	-	-	-		
Nishigomura Village		Hokkawa Dam		2012/8/9	10	43	Silt	2.3	5,100	-	-	-	-	-		
	Coasts		Neighboring sea area of Soso, approx. 2,000 m offshore of Tsurushihama Fishing Port	2012/7/24	5	77	Sand	<1.2	320	-	-	-	-	-		
	Matsukawaura sea area, around center of Fishing Right Area-1		2012/7/25	10	80	Sand	<0.88	300	-	-	-	-	-			
	Neighboring sea area of Soso, approx. 2,000 m offshore of Manogawa River		2012/7/26	3	82	Sand	<1.0	106	-	-	-	-	-			
	Neighboring sea area of Haramachi City, approx. 1,000 m offshore of Niidagawa River		2012/7/27	5	84	Sand	<1.1	290	-	-	-	-	-			
	Approx. 1,000 m offshore of Asamigawa River estuary		2012/7/7	5	84	Sand	<0.98	570	-	-	-	-	-			
	Approx. 1,000 m offshore of Ohisagawa River estuary		2012/7/7	5	87	Sand	<1.1	153	-	-	-	-	-			
	Neighboring sea area of Iwakishi City, approx. 1,500 m offshore of Natsugawa River		2012/7/7	5	86	Sand	<0.98	156	-	-	-	-	-			
	Onahama Port, approx. 400 m north of Nishibouhatei No. 2		2012/7/8	10	68	Sludge	<1.3	590	-	-	-	-	-			
	Joban coastal sea area, approx. 1,000 m offshore of Bindagawa River		2012/7/8	5	78	Sand	<1.1	280	-	-	-	-	-			

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Miyagi	Rivers	Teizan-unga Canal, Teizanbashi Bridge	Shiogamachi City/Shiogamachi Town/Tagajohi City	2012/9/21	6	48	Sludge	<1.4	2,280	-	-	-	-	-	-
		Masudagawa River, Bishamonbashi Bridge	Natori City	2012/9/25	5	55	Silt	<1.2	3,700	-	-	-	-	-	-
		Abukumagawa River, Ejiribashi Bridge	Kakudashi City	2012/5/4	2	73	Sand	1.2	3,400	-	-	-	-	-	-
		Abukumagawa River, Abukumaohashi Bridge (Iwanuma)	Iwanumashi City/Wataricho Town	2012/6/6	15	73	Sand	<0.84	1,410	2011/10/8	5	81	Sand	0.4	91
	Lakes	Shichikashuku Dam/Dam site	Shichikashukumachi Town	2012/6/29	10	51	Silt	1.7	3,000	2011/10/6	10	34	Silt	1.6	2,160
Ibaraki	Rivers	Nakagawa River, Shimokunii	Mitoshi City	2012/9/27	5	83	Sand	<0.79	128	2011/9/12	10	37	Silt with sand	1.6	5,500
		Bizengawa River, Bizengawabashi Bridge	Tsuchiurashi City	2012/5/30	5	72	Sludge	1.8	4,800	-	-	-	-	-	-
	Lakes	Kasumigaura Lake, offshore of Kakeuma		2012/6/27	10	80	Sand	<1.1	610	-	-	-	-	-	-
		Kasumigaura Lake, center of the lake		2012/6/27	10	33	Silt	<2.7	178	2011/9/12	12	17	Silt	3.3	221
		Ushikumuma Lake, center of the lake		2012/9/13	10	38	Mud	<2.0	1,170	2011/10/5	10	20	Silt	0.7	1,840
Tochigi	Rivers	Itaanagawa River, tributary	Nikkoshi City	2012/8/17	3	90	Sand	<0.78	146	2011/10/9	3	61	Sand	1.3	4,900
	Lakes	Ikari Dam Reservoir, center of the lake		2012/8/31	10	54	Silt	<1.5	4,100	2011/10/18	10	35	Silt	1.3	4,400
Gunma	Rivers	Kogurogawa River, Kayanobashi Bridge	Kiryushi City	2012/8/8	10	88	Sand	<0.86	198	2011/12/7	5	78	Sand with gravel	0.7	340
	Lakes	Fujiwarako Lake (Fujiwara Dam), center of the lake	Minakamimachi Town	2012/9/12	5	57	Silt	1.9	2,900	2011/12/1	10	31	Silt	2.0	4,600
Chiba	Rivers	Ohorigawa River, Kitakashiwashi Bridge	Kashiwashi City	2012/5/22	3	67	Sludge	<0.93	12,000	2011/11/1	3	78	Sand with gravel	1.1	9,700
		Otsugawa River, Kaminumabashi Bridge		2012/5/22	3	45	Sludge	<1.7	20,200	-	-	-	-	-	
	Lakes	Teganuma Lake, Nedoshita	Kashiwashi City/Abikoshi City	2012/9/11	10	38	Mud	4.4	7,600	2011/11/1	5	29	Silt	1.4	3,300
		Teganuma Lake, Teganuma Chuo		2012/9/11	15	37	Mud	<2.1	1,540	-	-	-	-	-	
Tokyo	Coasts	St-8 Offshore of Arakawa River/Kyuedogawa River estuaries		2012/5/31	10	54	Sludge	<1.5	490	-	-	-	-	-	

