

(News Release)  
The Results of the Measurement of Radioactive Material Concentrations  
in Water Quality Monitoring Surveys  
Conducted for Surface Water within Fukushima Prefecture

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In response to the Great East Japan Earthquake, the Ministry of the Environment (MOE) is conducting water quality monitoring surveys of hazardous substances, etc. in surface water bodies in the disaster-afflicted areas. In conjunction with surveys of hazardous substances, the water quality and sediment in rivers within Fukushima Prefecture have been tested to measure levels of radioactive materials.

The testing of radioactive material levels in water and sediment when water levels are high due to rainfall has recently been completed and the results are released here (survey date: July 1).

\*The results of tests of radioactive material concentrations when the rivers were at their normal levels have already been released on June 3 (survey dates: May 24-29).

(1) Outline of results (annex for details)

These measurements were taken in order to check the status of radioactive materials when water levels in rivers are high due to rainfall.

(1) Water Quality in Rivers

Radioactive iodine was not detectable at any of the locations tested (detection limit: 10Bq/L).

Radioactive cesium was not detectable anywhere, except in the Abukuma River at Taisho Bridge (Date City). At Taisho Bridge, 15Bq/L of Cs-134 and 17Bq/L of Cs-137 were detected (detection limit: 10Bq/L).

In the results from the previous survey (when the rivers tested were at their normal levels), neither radioactive iodine nor radioactive cesium was detectable at any of the locations (detection limit: 10Bq/L).

(2) Sediment in Rivers

Radioactive iodine was not detectable at any of the locations tested (detection limit: 30Bq/kg).

With regard to radioactive cesium, Cs-134 was detected within the range of 49-12,000Bq/kg and Cs-137 in the range of 53-14,000Bq/kg (dried mud) at all locations (detection limit: 30Bq/kg).

Comparing the results with those of the previous survey (when the rivers tested were at their normal levels), there was an overall tendency for levels to have declined in the Nakadori area, and to have risen in the Hamadori area.

(Annex for details)  
(Map attached)

Future plans

In coordination with relevant organizations, MOE intends to continue to test water, sediment, etc. in rivers, lakes, etc. within around a 100km radius of the Tokyo Electric Power Company's Fukushima Daiichi Nuclear Power Station, in order to measure concentrations of radioactive materials.

Water Quality

(Annex)

Survey Results (during high water, 2013/7/1)							Previous survey results (in ordinary condition, 2013/5/24-29)		
Sampling point (29)				Radioactive material concentrations (Bq/L)			Radioactive material concentrations (Bq/L)		
Area	No.	River	Point	I-131 (8.06 d)	Cs		I-131 (8.06 d)	Cs	
					Cs-134 (2.06 y)	Cs-137 (30.2 y)		Cs-134 (2.06 y)	Cs-137 (30.2 y)
H a m a d o r i	1	Jizogawa River	Hamahatabashi Bridge	ND	ND	ND	ND	ND	ND
	2	Koizumigawa River	Hyakkenbashi Bridge	ND	ND	ND	ND	ND	ND
	3	Udagawa River	Hyakkenbashi Bridge	ND	ND	ND	ND	ND	ND
	4	Manogawa River	Majimabashi Bridge	ND	ND	ND	ND	ND	ND
	5	Niidagawa River	Kusano	ND	ND	ND	ND	ND	ND
	6	Niidagawa River	Komiya	ND	ND	ND	ND	ND	ND
	7	Niidagawa River	Kidouchibashi Bridge	ND	ND	ND	ND	ND	ND
	8	Niidagawa River	Sakekawabashi Bridge	ND	ND	ND	ND	ND	ND
	9	Asamigawa River	Bodabashi Bridge	ND	ND	ND	ND	ND	ND
	10	Ohisagawa River	Kageisobashi Bridge	ND	ND	ND	ND	ND	ND
	11	Niidagawa River	Matsubabashi Bridge	ND	ND	ND	ND	ND	ND
	12	Natsuigawa River	Kitanouchibashi Bridge	ND	ND	ND	ND	ND	ND
	13	Natsuigawa River	Rokujumaibashi Bridge	ND	ND	ND	ND	ND	ND
	14	Fujiwaragawa River	Minatoohashi Bridge	ND	ND	ND	ND	ND	ND
	15	Samegawa River	Samegawabashi Bridge	ND	ND	ND	ND	ND	ND
	16	Bindagawa River	Bindabashi Bridge	ND	ND	ND	ND	ND	ND

N a k a d o r i	17	Abukumagawa River	Taishobashi Bridge	ND	15	17	ND	ND	ND
	18	Abukumagawa River	Akutsubashi Bridge	ND	ND	ND	ND	ND	ND
	19	Hirosegawa River	Before the confluence with Abukumagawa River	ND	ND	ND	ND	ND	ND
	20	Hirosegawa River	Upperstream of Tatenokoshibashi Bridge	ND	ND	ND	ND	ND	ND
	21	Surikamigawa River	Before the confluence with Abukumagawa River	ND	ND	ND	ND	ND	ND
	22	Arakawa River	Before the confluence with Abukumagawa River	ND	ND	ND	ND	ND	ND
	23	Utsushigawa River	Osegawabashi Bridge	ND	ND	ND	ND	ND	ND
	24	Utsushigawa River (Kuchibutogawa River)	Kuchibutogawabashi Bridge	ND	ND	ND	ND	ND	ND
	25	Gohyakugawa River	Before the confluence with Abukumagawa River	ND	ND	ND	ND	ND	ND
	26	Ousegawa River	Before the confluence with Abukumagawa River	ND	ND	ND	ND	ND	ND
	27	Otakegawa River	Before the confluence with Abukumagawa River	ND	ND	ND	ND	ND	ND
	28	Shakadogawa River	Before the confluence with Abukumagawa River	ND	ND	ND	ND	ND	ND
	29	Yashirogawa River	Ojibashi Bridge	ND	ND	ND	ND	ND	ND

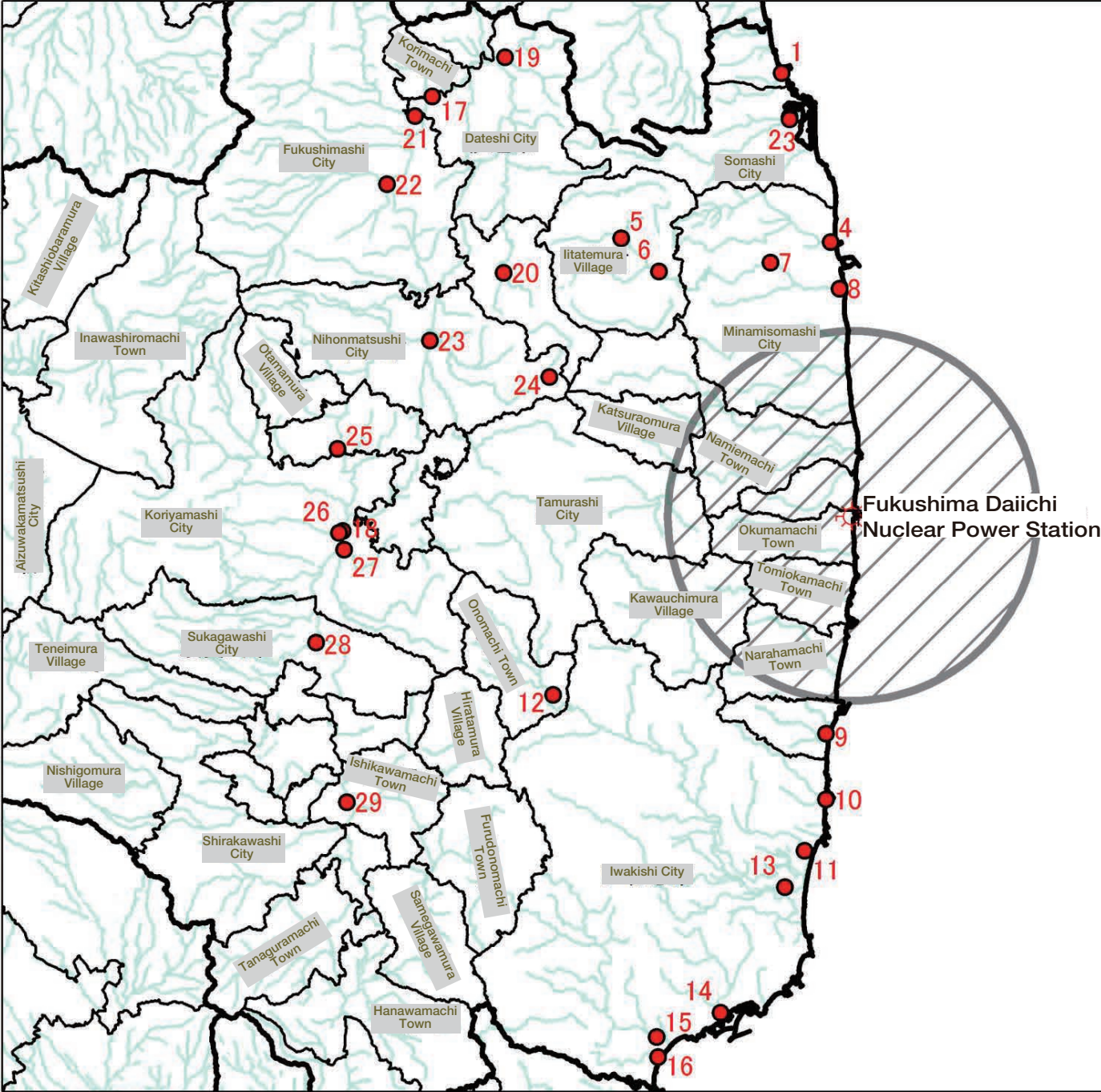
(Detection limit: 10Bq/L)

Sediment

Survey Results (during high water, 2013/7/1)							Previous survey results (in ordinary condition, 2013/5/24-29)				
Sampling point (29)				Property	Radioactive material concentration (Bq/kg (dried mud))			Property	Radioactive material concentration (Bq/kg (dried mud))		
Area	No.	River	Point		I-131 (8.06 d)	Cs			I-131 (8.06 d)	Cs	
						Cs-134 (2.06 y)	Cs-137 (30.2 y)			Cs-134 (2.06 y)	Cs-137 (30.2 y)
H a m a d o r i	1	Jizogawa River	Hamahatabashi Bridge	Sand with silt	ND	980	1,100	Fine sand with silt	ND	2,000	2,300
	2	Koizumigawa River	Hyakkenbashi Bridge	Coarse sand with gravel	ND	400	460	Fine sand with granule	ND	660	700
	3	Udagawa River	Hyakkenbashi Bridge	Coarse sand	ND	110	130	Sand with gravel	ND	48	51
	4	Manogawa River	Majimabashi Bridge	Silt	ND	12,000	14,000	Silt with fine sand	ND	6,900	7,800
	5	Niidagawa River	Kusano	Gravel with sand	ND	1,900	2,100	Sand with granule	42	7,200	7,900
	6	Niidagawa River	Komiya	Sand	ND	4,500	5,000	Granule with sand	ND	2,300	2,500
	7	Niidagawa River	Kidouchibashi Bridge	Fine sand	ND	9,600	10,000	Granule with sand	ND	14,000	16,000
	8	Niidagawa River	Sakekawabashi Bridge	Fine sand	ND	3,600	4,100	Fine sand with silt	ND	1,900	2,100
	9	Asamigawa River	Bodabashi Bridge	Sand with gravel	ND	1,100	1,300	Sand	ND	860	950
	10	Ohisagawa River	Kageisobashi Bridge	Sand with gravel	ND	3,800	4,300	Sand/coarse sand	ND	2,200	2,300
	11	Niidagawa River	Matsubabashi Bridge	Fine sand with gravel	ND	1,300	1,500	Sand/coarse sand/gravel	ND	980	1,000
	12	Natsuigawa River	Kitanouchibashi Bridge	Sand	ND	120	130	Coarse sand	ND	95	94
	13	Natsuigawa River	Rokujumaibashi Bridge	Sand with gravel	ND	290	340	Coarse sand/sand	ND	190	220
	14	Fujiwaragawa River	Minatoohashi Bridge	Gravel/sand with silt	ND	910	1,000	Sand with silt	ND	660	730
	15	Samegawa River	Samegawabashi Bridge	Gravel/sand with silt	ND	1,800	2,000	Sand with silt	ND	700	770
	16	Bindagawa River	Bindabashi Bridge	Sand	ND	180	200	Sand with gravel	ND	97	110

N a k a d o r i	17	Abukumagawa River	Taishobashi Bridge	Sand with gravel	ND	280	320	Sand	65	11,000	12,000
	18	Abukumagawa River	Akutsubashi Bridge	Sand with gravel	ND	330	370	Sand with gravel	ND	260	290
	19	Hirosegawa River	Before the confluence with Abukumagawa River	Coarse sand	ND	760	880	Sand	ND	4,300	4,700
	20	Hirosegawa River	Upperstream of Tatenokoshibashi Bridge	Gravel with sand	ND	740	840	Gravel/sand	52	4,800	5,100
	21	Surikamigawa River	Before the confluence with Abukumagawa River	Sand with gravel	ND	49	53	Sand/gravel	ND	1,000	1,100
	22	Arakawa River	Before the confluence with Abukumagawa River	Sand with silt	ND	4,400	4,900	Sand	46	4,200	4,600
	23	Utsushigawa River	Osegawabashi Bridge	Gravel with sand	ND	380	440	Sand with gravel	ND	1,100	1,300
	24	Utsusigawa River (Kuchibutogawa River)	Kuchibutogawabashi Bridge	Sand with gravel	ND	1,200	1,400	Sand with gravel	ND	3,400	3,700
	25	Gohyakugawa River	Before the confluence with Abukumagawa River	Coarse sand	ND	460	550	Sand with gravel	ND	1,800	2,100
	26	Ousegawa River	Before the confluence with Abukumagawa River	Sand with gravel	ND	370	420	Coarse sand with gravel	ND	850	940
	27	Otakegawa River	Before the confluence with Abukumagawa River	Sand	ND	82	84	Sand	ND	120	140
	28	Shakadogawa River	Before the confluence with Abukumagawa River	Gravel	ND	100	130	Sand with silt	ND	1,100	1,200
	29	Yashirogawa River	Ojibashi Bridge	Coarse sand with gravel	ND	110	120	Sand	ND	120	130

(Detection limit: 30Bq/kg)



No.	Rivers	Point name
1	Jizogawa River	Hamahatabashi Bridge
2	Koizumigawa River	Hyakkenbashi Bridge
3	Udagawa River	Hyakkenbashi Bridge
4	Manogawa River	Majimabashi Bridge
5	Niidagawa River	Kusano
6	Niidagawa River	Komiya
7	Niidagawa River	Kidouchibashi Bridge
8	Niidagawa River	Sakekawabashi Bridge
9	Asamigawa River	Bodabashi Bridge
10	Ohisagawa River	Kageisobashi Bridge
11	Niidagawa River	Matsubabashi Bridge
12	Natsuigawa River	Kitanouchibashi Bridge
13	Natsuigawa River	Rokujumaibashi Bridge
14	Fujiwaragawa River	Minatohashi Bridge
15	Samegawa River	Samegawabashi Bridge
16	Bindagawa River	Bindabashi Bridge
17	Abukumagawa River	Taishobashi Bridge
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19	Hirosegawa River	Before the confluence with Abukumagawa River
20	Hirosegawa River	Upperstream of Tatenokoshibashi Bridge
21	Surikamigawa River	Before the confluence with Abukumagawa River
22	Arakawa River	Before the confluence with Abukumagawa River
23	Utsushigawa River	Osegawabashi Bridge
24	Utsushigawa River (Kuchibutogawa River)	Kuchibutogawabashi Bridge
25	Gohyakugawa River	Before the confluence with Abukumagawa River
26	Ousegawa River	Before the confluence with Abukumagawa River
27	Otakegawa River	Before the confluence with Abukumagawa River
28	Shakadogawa River	Before the confluence with Abukumagawa River
29	Yashirogawa River	Ojibashi Bridge