

Fluridone Water Quality Monitoring Schedule and Results - Summer 2017

Treatment day				1	2	4	6	7	8	9	10	11	12	13	14	16	20	23	27	34		
Date				5/31/2017	6/1/2017	6/3/2017	6/5/2017	6/6/2017	6/7/2017	6/8/2017	6/9/2017	6/10/2017	6/11/2017	6/12/2017	6/13/2017	6/15/2017	6/19/2017	6/22/2017	6/26/2017	7/3/2017		
Station	Location	Dye Study First Detect	Target Dose at Lambertville (ppb)	2.3	2.3	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	2.8	2.8	2.8	2.8		
1	Fireman's Eddy Bridge	4 hours	Reading (ppb)	2.3	2.2	<1	2.3	2.0	1.7	2.0	2.2	1.8	<1	2.3	1.9	2.2	2.6	3.5	<1	2.2		
			Time (24hr)	16:30	14:05	7:40	8:47	9:09	9:31	8:48	8:36	8:05	8:31	9:03	8:40	10:21	8:52	8:47	9:04	8:29		
2	Washington Crossing Bridge	24 hours	Reading (ppb)		2.1 <0.73*	1.6	1.3 <0.73*	2.0 <0.73*	1.8	2.1	1.8	1.9 <0.73*	2.0 <0.73*	1.7	2.2	2.2	1.9	2.9	<1	2.2		
			Time (24hr)		14:30	8:05	8:47	9:25	9:52	9:05	8:47	8:20	8:42	9:14	8:56	10:48	9:24	9:14	9:23	8:44		
3	Lower Ferry Road	32 hours	Reading (ppb)		1.6 <0.73*	2.6	1.7	1.9	2.0	1.9	2.2	1.8	2.2	1.7	2.2	2.1	2.2	3.1	<1	2.2		
			Time (24hr)		14:47	8:15	9:26	9:45	10:07	9:29	9:02	8:35	8:56	9:28	9:19	11:13	9:42	9:34	9:42	8:57		
4	Carnegie Road	2 days	Reading (ppb)			1.7	1.5	1.8	1.7	1.7	2.0	1.9	1.8	2.0	2.1	1.6	2.7	2.8	<1	1.7		
			Time (24hr)			9:10	9:54	10:10	10:38	10:00	9:22	9:00	9:16	9:48	9:39	11:42	10:07	10:00	10:08	9:50		
5	Alexander Road	3 days	Reading (ppb)			1.1	1.9	1.7	1.3	1.3	1.8	1.8	2.3	1.9	1.7	1.9	1.8	2.5	<1	1.5		
			Time (24hr)			9:25	10:13	10:30	11:01	10:50	9:45	9:10	9:31	10:08	9:56	12:03	10:24	10:17	10:33	10:11		
6	Route 518	4 days	Reading (ppb)			<1	2.0	2.1	1.2	<1	1.7	1.8	2.2	1.6	1.5	1.5	1.6	2.1	<1	1.4		
			Time (24hr)			9:45	10:46	10:55	11:29	11:13	10:03	9:30	9:52	10:38	10:19	12:29	10:52	10:40	10:54	10:35		
7	Canal Road/Suydam Road	5 days	Reading (ppb)				1.4 <0.73*	1.5 <0.73*	1.7	1.5	1.3	1.1 <0.73*	1.6 <0.73*	2.0 <0.73*	1.8 <0.73*	2.0 <0.73*	1.5 <0.73*	2.9 <0.73*	1.7 <0.73*	1.6 2.1		
			Time (24hr)				11:52	11:29	11:45	11:35	10:20	9:45	10:10	11:56	10:35	12:53	11:14	10:58	11:20	10:57		
8	10 Mile Lock	7 days	Reading (ppb)					1.1	<1	1.4	1.5	1.0	2.1	1.7	1.5	1.7	<1	1.5	1.7	1.5		
			Time (24hr)					12:07	12:22	12:10	10:51	10:20	10:49	11:37	11:12	13:47	12:01	11:29	12:06	11:52		
9	Landing Lane Bridge	9 days	Reading (ppb)						<1	<1	<1	<0.73*	1.6 <0.73*	1.6 <0.73*	1.0 <0.73*	2.1 <0.73*	1.0 <0.73*	1.8 <0.73*	<1	<0.73*	<1	1.6
			Time (24hr)						12:38	11:12	10:45	11:08	11:08	12:02	11:34	14:22	12:36	12:00	12:44	12:20		

Rainfall - Washington Crossing	Inches	0.03	0.00	0.10	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.00	0.00	0.00
Rainfall - Middlesex	Inches	0.02	0.01	0.11	0.27	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00
Canal Flow at Washington Crossing	mgd	74.32	74.97	77.56	77.56	79.49	78.85	78.20	78.20	78.20	77.56	77.56	77.56	76.91	76.26	74.32	83.37	83.37	85.31	83.37
Canal Flow at Port Mercer	mgd	77.56	76.26	78.85	82.08	87.25	83.37	82.73	74.32	68.51	63.60	57.71	52.61	54.16	85.31	85.31	84.02	83.37		

Note: Expected Test Results Variance is 5-20%

Flow has not yet reached location

ppb Parts per Billion

mgd Million Gallons per Day

x Data not yet available

On days of duplicate readings, a duplicate sample was taken and submitted to a second testing facility.

Duplicate readings from 6/1 - 6/26 were from TestAmerica

Duplicate readings from 7/3 - ongoing are from NJ Department of Health(NJDOH)

* Provisional Result

** Reporting limit for NJDOH duplicate testing is 0.1 ppb

Treatment day				41	48	55	62	69	76	83	90	98	104	111
Date				7/10/2017	7/17/2017	7/24/2017	7/31/2017	8/7/2017	8/14/2017	8/21/2017	8/28/2017	9/5/2017	9/11/2017	9/18/2017
Station	Location	Dye Study First Detect	Target Dose at Lambertville (ppb)	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
1	Fireman's Eddy Bridge	4 hours	Reading (ppb)	3.5	2.6	2.9	3.2	2.1	2.3	2.7	<1	2.0	2.9	3.3
			Time (24hr)	8:47	9:15	9:11	9:50	7:47	7:39	13:06	13:03	13:23	13:59	13:38
2	Washington Crossing Bridge	24 hours	Reading (ppb)	2.6	2.7	2.5	3.3	2.1	3.1	2.9	1.9	2.1	3.4	1.8
			Time (24hr)	9:09	9:33	9:32	10:08	8:10	7:59	12:47	12:46	13:03	13:42	13:14
3	Lower Ferry Road	32 hours	Reading (ppb)	3.3	2.8	2.1	2.8	1.8	2.1	2.5	1.5	1.9	2.9	2.0
			Time (24hr)	9:25	9:55	9:49	10:25	8:30	8:19	12:22	12:21	12:43	13:21	12:58
4	Carnegie Road	2 days	Reading (ppb)	3.1	2.1	1.9	2.9	2.3	2.4	2.6	2.1	2.0	2.8	2.7
			Time (24hr)	14:52	14:08	13:52	14:32	13:20	13:06	11:59	11:58	12:08	12:57	12:31
5	Alexander Road	3 days	Reading (ppb)	3.3	2.1	2.6	2.7	1.7	2.0	2.6	2.1	2.1	1.9	1.9
			Time (24hr)	14:33	13:48	13:33	14:16	12:57	12:47	11:39	11:36	11:47	12:35	12:07
6	Route 518	4 days	Reading (ppb)	3.0	2.5	2.2	2.8	1.4	1.5	2.5	2.9	1.6	2.2	1.5
			Time (24hr)	14:13	13:28	13:14	13:55	12:33	12:25	11:05	11:07	11:13	12:14	11:35
7	Canal Road/Suydam Road	5 days	Reading (ppb)	2.6 1.7	1.6 1.8	1.8 2.64	2.6 2.34	1.4 2.36	2.9 2.27	2.4 1.68	1.8 2.07	1.1 2.40	2.1 1.80	2.7 x
			Time (24hr)	13:27	12:52	12:30	13:19	11:48	11:13	10:28	10:26	10:30	11:34	10:54
8	10 Mile Lock	7 days	Reading (ppb)	2.9	2.6	1.6	1.6	1.5	2.2	2.6	1.8	<1	1.9	1.4
			Time (24hr)	12:56	12:21	12:09	12:51	11:19	11:57	10:06	10:06	10:11	11:12	10:35
9	Landing Lane Bridge	9 days	Reading (ppb)	2.6 1.6	2.3 2.0	1.5 1.89	1.1 1.81	<1 2.18	1.6 1.38	1.6 1.70	1.4 1.16	1.6 1.50	1.4 x	2.3 x
			Time (24hr)	11:40	11:03	10:55	11:27	10:18	10:12	9:10	9:10	8:13	6:14	9:41
Rainfall - Washington Crossing			Inches	0.00	0.00	1.08	0.00	0.80	0.01	0.00	0.00	0.61	0.00	0.00
Rainfall - Middlesex			Inches	0.00	0.00	0.96	0.00	0.76	0.00	0.00	0.00	0.07	0.00	0.00
Canal Flow at Washington Crossing			mgd	77.56	73.68	71.09	74.32	74.32	78.20	80.79	84.67	88.54	90.48	98.88
Canal Flow at Port Mercer			mgd	84.67	83.37	88.54	82.73	89.19	87.25	89.19	90.48	91.13	92.42	91.77

Note: Expected Test Results Variance is 5-20%

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mgd Million Gallons per Day

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