

**Fluridone Water Quality Monitoring Schedule and Results - Summer 2014**

**Fall Creek, Ithaca NY**

New York State Department of Health (NYSDOH) Maximum Contaminant Level (MCL) for fluridone in drinking water: MCL = 50 ppb. Results below are in ppb. Fluridone application initiated 8/13/13.		Back-ground	24 hrs	48hrs	Week 1 96 hrs	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15
Site	Location	Prior to 8/14/2014	8/15/2014 (Fri)	8/16/2014 (Sat)	8/18/2014 (Mon)	Week of 8/25/2014	Week of 9/1/2014	Week of 9/8/2014	Week of 9/15/2014	Week of 9/22/2014	Week of 9/29/2014	Week of 10/6/2014	Week of 10/13/2014	Week of 10/20/2014	Week of 10/27/2014	Week of 11/4/2014	Week of 11/10/2014	Week of 11/17/2014	Week of 11/24/2014
<b>NYSDEC Required Sampling - bottom of water column</b>																			
FC-1	Shoreline - 0.5 mile downstream on West Side of Inlet		<0.1	<0.1	<0.1	<0.1						0.19							
FC-2	Shoreline - 0.5 mile downstream on East Side of Inlet		<0.1	<0.1	<0.1	<0.1						<0.1							
FC-3	Shoreline - 0.5 mile upstream on Fall Creek		<0.1	<0.1	<0.1	<0.1		<0.1		<0.1		<0.1							
FC-4	Shoreline - Stewart Park Mouth of Fall Creek		<0.1	<0.1	<0.1	<0.1		<0.1		0.7		0.14							
<b>SePRO FasTest Samples</b>																			
BP-I <sup>1</sup>	Bolton Point intake ~70' below lake surface	<0.1				<1.0				<1.0									
BP-ID*	Bolton Point intake - CSI duplicate					<0.1				<0.1									
<b>Within the application area</b>																			
FC-8	SePRO Fall Creek Cove				<1.0	<1.0	<1.0	1.2	1.3	2.3	1.5	<1.0							
FC-8D	CSI duplicate				0.32	<0.1		0.6		3.4		0.84							
FC-9	SePRO Golf Course Cove				7.5	4.2	6.8	4.0	2.5	1.2	2.6	1.70	1.5	<1.0					
FC-9D	CSI duplicate				7.2	4.4		4.5		1.1		2.17							
FC-10	SePRO Stewart Park Cove				3.3	3.3	2.2	2.9	2.1	1.3	9.0	4.00	4.5	1.5					
FC-10D	CSI duplicate				3.3	1.1		2.6		0.9		3.72			2.3	3.7		1.7	

**Notes:**

- Additional samples may be required depending on concentrations detected.
- Concentrations must be below 1 ppb for irrigation and hydroponic use.

<sup>1</sup>Required by TCHD

rev November 18, 2014

**NYSDEC**

- Sampling to continue for a minimum of one month and then until results are less than the detectable limit of .5 ppb outside the treatment area.
- If concentrations are found above detectable limit at any NYSDEC site, an increased sampling protocol of 0.25 mile intervals, as well as notification of the riparian owners and users will be required as determined by the Department until concentrations are below detectable limits.
- Samples must be collected at the end of the application period to establish concentrations <1 ppb.
- Concentrations must be below 1 ppb for irrigation and hydroponic use.

**TCHD**

*Bolton Point Intake:* After the first 2 weeks, sampling continues monthly until one month after final application.

If results exceed 10 ppb at the intake, a sample must be collected from the entry point to the distribution system.

*FC-5D, FC-6D, and FC-7D:* Samples to be analyzed weekly for the first two weeks, then biweekly until one month after the final application.

In the event that concentrations are detected > 10 ppb, the Tompkins County Health shall be notified and the monitoring plan revised.