

**Fluridone Water Quality Monitoring Schedule and Results - Summer 2015**

**SE Corner of Cayuga Lake, 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 7/21/15.		Back-ground	24 hrs	48hrs	72 hrs	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Site	Location	Prior to 7/21/2015	7/22/2015 (Wed)	7/23/2015 (Thur)	7/24/2015 (Fri)	Week of 7/27/2015	Week of 8/3/2015	Week of 8/10/2015	Week of 8/17/2015	Week of 8/24/2015	Week of 8/31/2015
<b>NYSDEC Required Sampling - bottom of water column</b>											
SE-5	Shoreline - 0.5 mile west of TA on West Side of Inlet		<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	
SE-4	Shoreline - 0.5 mile north of TA on East Shore of Lake		<0.1	<0.1	<0.1	0.27	<0.5	<0.5	<0.5	<0.5	
SE-6/FC-4	Shoreline - Stewart Park Mouth of Fall Creek		<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	
<b>SePRO FasTest Samples</b>											
BP-I <sup>1</sup>	Bolton Point intake ~70' below lake surface										
BP-ID*	Bolton Point intake - CSI duplicate	0.24*				<0.1				<0.5	
<b>Within the application area</b>											
SE-1	SePRO West Edge of TA					<1.00		<1.00	2.40	<1.00	<1.00
SE-1D	CSI duplicate					0.47	<0.5	<0.5		0.58	
SE-2	SePRO East End of Stewart Park					<1.00		1.30	2.30	1.60	1.30
SE-2D	CSI duplicate					0.46	0.94	<0.5		3.70	
SE-3	Opposite 918 East Shore Drive					7.1		<1.00	1.90	<1.00	<1.00
SE-3D	CSI duplicate					10.0	<0.5	0.69		1.30	

**Notes:**

- Additional samples may be required depending on concentrations detected.

<sup>1</sup>Required by TCHD

**Rev November 2, 2015**

**NYSDEC**

- Sampling to continue weekly for the duration of the treatments 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.

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

Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15
Week of 9/7/2015	Week of 9/14/2015	Week of 9/21/2015	Week of 9/28/2015	Week of 10/5/2015	Week of 10/12/2015	Week of 10/19/2015	Week of 10/26/2015	Week of 11/2/2015
	2.1	1.2			0.74	<0.5		
	<0.5	<0.5			<0.5	<0.5		
	<0.1	1.5			<0.5			
						<0.5		
<1.00		2.70	<1.00	<1.00	2.10			
0.90		2.60		0.96		1.20	3.1	0.8
<1.00		4.60	2.90		1.40			
2.30		3.10		1.20		<0.5		
<1.00		2.70	1.00	2.60	<1.00			
1.50		2.60		0.54		0.70		