

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

Cayuga Lake and inlet, 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.

Site	Location	24 hrs	48hrs	72 hrs	Week 1	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
		8/27/2014 (Wed)	8/28/2014 (Thur)	8/29/2014 (Fri)	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 11/3/2014	Week of 11/10/2014	Week of 11/17/2014	Week of 11/24/2014	Week of 12/1/2014
NYSDEC Required Sampling - bottom of water column																		
S12-CC	Shoreline - 0.5 mile upstream on Cascadilla Creek	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1			0.48							
S12-I	Shoreline - 0.5 mile upstream on East Side of Inlet	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1			<0.1							
S12-BB	Shoreline - 0.5 mile upstream on West Side of Inlet	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1			<0.1							
S12-89W	Shoreline - 0.5 mile on west lakeshore close to Rt 89	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1										
S12-SM	Shoreline - 0.5 mile upstream on Sixmile Creek	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1			0.17							
S12-SP	Shoreline - 0.5 mile on east lakeshore at Stewart Park	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1										
SePRO FasTest Samples																		
BP-1 ¹	Bolton Point intake ~70' below lake surface								<1.0		<1.0							
BP-ID*	Bolton Point intake - CSI duplicate				<0.1				<0.1		<0.1							
Within the application area																		
CI-1						7	6.8	5.5	6.6	5.1	<1.0							
CI-1D	CSI duplicate				6.9		5.2		6.4									
CI-4						10.4	11.7	5.5	7.4	6.4	<1.0							
CI-4D	CSI duplicate				7.8		9.9		6.7									
CI-6						5.4	5.8	4	6.8	5.6	3.3	<1.0						
CI-8						5.3	5.8	5.9	6.4	6.1	5	4.2	2.4	2.4		1.7		
CI-9						3.8	3.8	2	2.5	3.8	1.6	<1.0						
CI-9D	CSI duplicate				3.7		3.4		2.3									
CI-12						4.3	4.8	4.2	5.4	4.3	4	<1.0						
CI-13						3.4	1.6	<1.0	<1.0	1.4	1.1	<1.0						

Notes:

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

¹Required by TCHD

rev November 18, 2014

Additional Notes:

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: Sample one week after application then monthly while the application continues.

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

CI-1D, CI-4D, and CI-9D: Samples to be taken one week after application, then biweekly for the duration of the application period.

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