

Endothall Monitoring Minimum Sampling Schedule - July 2014

Application Begins

Fall Creek, Ithaca NY

New York State Department of Health (NYSDOH) Maximum Contaminant Level (MCL) for endothall in drinking water: MCL = 50 ppb. Results below are in ppb.

Site	Location	Back-ground 7/1/2014 (before application on 7/17/14)	ELAP split	Day 0 7/17/2014	Day 1 24 hrs 7/18/2014	Day 2 48 hrs 7/19/2014	Day 4 72 hrs 7/21/2014	ELAP split	Day 7 7/24/2014	ELAP Split	Day 11 7/28/2014	ELAP split	Day18* 8/4/2014
NYSDEC Required Sampling - bottom of water column													
FC-1	Shoreline - 0.5 mile upstream on West Side of Lake				< 7	< 7	<7				<7		
FC-2	Shoreline - 0.5 mile upstream on East Side of Lake				< 7	< 7	20				<7		
FC-3	Shoreline - 0.5 mile downstream, below Falls				< 7	< 7	< 7				<7		
TCHD Required Sampling - middle of water column													
BP-I	Bolton Point intake ~70' below lake surface		<9				< 7	Archive	< 7	Archive	<7	Archive	<7
BP-D	Bolton Point distribution system entry point		<9					Archive		Archive		Archive	Archive
FC-4	Shoreline - End of treatment area			111	198 [†]	44	21		< 7		<7		<7
	Intervening 12-hrly sample at same location				Analyze								
FC-5	Shoreline- End of treatment area			< 7	< 7		< 7		< 7		<7		<7
FC-6	Shoreline- End of treatment area			< 7	< 7		13		< 7		<7		<7
FC-7	Shoreline- Footbridge opposite Golf Course			~1624 [†]	226 [†]								
Total number of samples collected				4	4 +2	4	7		4		7		4

nd = less than the level of quantification (LOQ) of 7 ppb unless otherwise indicated

[†] estimated (10x dilution)

Note that endothall application concentration level of 3 ppm (parts per million) = 3,000 ppb (parts per billion)

Additional samples may be required depending on concentrations detected. Archived samples will be analyzed as warranted by other results.

ELAP means the lab used has been certified by the NYSDOH Environmental Laboratory Approval Program to conduct the analytical procedure used.

NYSDEC (Green)

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.

TCHD (Aqua)

*FC-4, FC-5, FC-6: Sampling should continue Day 4, 11, 18, 25... until there are two consecutive sample events where all concentrations are <50ppb or until day 14, whichever is later.

*Bolton Point Intake: Sampling should continue Day 4, 7, 10, 14, 21...until there are two consecutive samples <10ppb after a detection of ≥10ppb, or until day 14, whichever is later.

Bolton Point Distribution System Entry: Sampling and archiving should continue on the same schedule as intake sampling. Two consecutive samples at the distribution system entry point will be analyzed if there is a detection ≥10ppb at the Bolton Point Intake.

HTF (Pink)

Additional 12-hourly samples to assist in determining how long an efficacious dose of the herbicide is maintained in the treatment area.