

Endothall Monitoring Minimum Sampling Schedule - September 2013

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 | Day 1 | ELAP split | 24 hrs | 48 hrs | ELAP split | 72 hrs | Day 8 | ELAP Split | Day 15 | ELAP Split | Day 22 | ELAP split | * | |
|----------------------------------------------------------|----------------------------------------------------|-----------|------------|-----------|--------|------------|----------|-----------|------------|-----------|------------|------------|------------|----------|------------|
| | | 9/26/2013 | | 9/27/2013 | | 9/28/2013 | | 9/29/2013 | | 10/3/2013 | | 10/10/2013 | | | 10/17/2013 |
| NYSDEC Required Sampling - bottom of water column | | | | | | | | | | | | | | | |
| FC-1 | Shoreline - 0.5 mile upstream on West Side of Lake | | | < 7 | < 7 | | 7 | 19 | | | | Analyze | | | |
| FC-2 | Shoreline - 0.5 mile upstream on East Side of Lake | | | 7 | < 7 | | < 7 | < 7 | | | | Analyze | | | |
| FC-3 | Shoreline - 0.5 mile downstream, below Falls | | | <7 | < 7 | | <7 | < 7 | | | | Analyze | | | |
| TCHD Required Sampling - middle of water column | | | | | | | | | | | | | | | |
| BP-I | Bolton Point intake ~70' below lake surface | | | | < 7 | Archive | | < 7 | Archive | < 7 | Archive | Analyze | Archive | | |
| BP-D | Bolton Point distribution system entry point | | | | | Archive | | | Archive | | Archive | | Archive | | |
| FC-4 | Shoreline - End of treatment area | 57 | | **600 | 70 | | 13 | 20 | | < 7 | | Analyze | | | |
| FC-5 | Shoreline- End of treatment area | < 7 | | | <7 | | | 7 | | < 7 | | Analyze | | | |
| FC-6 | Shoreline- End of treatment area | 542 | | | < 7 | | | 18 | | 10 | | Analyze | | | |
| Total number of samples collected | | 3 | | 4 | | 7 | 2 | 4 | | 7 | 2 | 4 | 2 | 7 | 2 |

* See TCHD sampling notes below
 **Estimated ± 20% accuracy

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

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

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

FC-4, FC-5, FC-6: Sampling should continue through Day 3, 8, 15 or until there are two consecutive samples where all concentrations are <50ppb

Bolton Point Intake: Sampling should continue through Day 3, 8, 15, 21...until there are two consecutive samples <10ppb after a detection of ≥10ppb, or until day 15, whichever comes 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.