rev Sept. 22, 2014

Endothall Monitoring Minimum Sampling Schedule - Summ

Cayuga Lake and Inlet, 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 0 (Application Begins)	24 hrs	48 hrs	72 hrs	ELAP split	Day 7	ELAP Split	Day 10	ELAP Split	Day 14	ELAP split	Day 17	ELAP split	Day 21*	ELAP split
		7/29/2014	7/30/2014	7/31/2014	8/1/2014		8/5/2014		8/8/2014		8/12/2014		8/15/2014		8/19/2014	
NYSDEC Required Sampling - bottom of water column																
S12-CC	Shoreline - 0.5 mile upstream on Cascadilla Creek		11.8	<7	<7				<7				<7			
S12-I	Shoreline - 0.5 mile upstream on East Side of Inlet		<7	<7	<7				<7				<7			
S12-BB	Shoreline - 0.5 mile upstream on West Side of Inlet		<7	<7	<7				<7				<7			
S12-89W	Shoreline - 0.5 mile on west lakeshore close to Rt 89		7	<7	<7				<7				<7			
S12-SM	Shoreline - 0.5 mile upstream on Sixmile Creek		14.7	<7	<7				<7				<7			
S12-SP	Shoreline - 0.5 mile on east lakeshore at Stewart Park		<7	<7	<7				<7				<7			
TCHD Required Sampling - middle of water column																
BP-I	Bolton Point intake ~70' below lake surface				<7	Archive	<7	Archive	<7	Archive	<7	Archive			NR	NR
BP-D	Bolton Point distribution system entry point					Archive		Archive		Archive		Archive				NR
B-ET	Shoreline - End of treatment area	1,976	2,505	2,332	2,816		<7				<7				NR	
B-AHT	Shoreline - Treman Park Marina application area	1,848			1,983		<7				<7				NR	
B-Mouth	Shoreline- Northern edge of application area	<7			361		<7				<7				NR	
B-SM	Shoreline - Six Mile Creek in application area	1,800			<7		<7				<7				NR	
S12-BH	Shoreline - Boathouse	1,900	1,800	3,058	3,043		<7									
Total number of samples collected		**5**	**8**	**8**	**12**		**6**		**7**		**5**		**6**		**5**	

* See TCHD sampling notes below

NR=Not Required

nd (non-detedt) = 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

B-SM, B-AHT, B-ET and B-Mouth: Sampling should continue through Day 3, 7, 10, 14 or until there are two consecutive samples where all concentrations are <50ppb

Bolton Point Intake: Sampling should continue through Day 3, 7, 10, 14, 21…until there are two consecutive samples <10ppb after a detection of ≥10ppb, or until day 14, whichever comes later.

Bolton Point Distribution System Entry: Sampling and archving 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 samples to assist in determing how long an efficacious dose of the herbicide is maintained in the treatment area.