

April 15, 2022

Sudbury Conservation Commission
Department of Public Works Building
275 Old Lancaster Road
Sudbury, MA 01776

MassDEP Northeast Regional Office - Wilmington
205B Lowell Street
Wilmington, MA 01887

RE: Addendum to the Notice of Intent for an Aquatic Management Program at Camp Sewataro - DEP File # 301-1366

Commissioners:

On behalf of the Applicant, Camp Sewataro, the following is an addendum to the Notice of Intent submitted to the Sudbury Conservation Commission for an Aquatic Management Program at the Camp Sewataro Ponds. The purpose of this addendum is to provide additional information to the Commission in order to address topics discussed at the recent public hearing.

Treatment Thresholds

The main elements of the management program for the Camp Sewataro Ponds are monitoring, aeration, treatment with beneficial bacteria/enzyme products, phosphorus remediation using alum and algaecide treatments. It seemed all agreed that aeration would be a beneficial technique and should be implemented to improve the overall health and vitality of the ponds.

The question was raised on whether the beneficial bacteria/enzyme treatments were needed. While we continue to request that this technique be approved by the Commission, the Applicant will hold off on implementing the treatments until the results of the sediment polling and the initial water quality data have been analyzed.

For the alum and algaecide techniques, the following treatment thresholds will be utilized.



Management Threshold Matrix

Management Strategy	Purpose	Extent	Threshold for Swim Pond	Threshold for Boating Pond
Algaecide	For Control of - Filamentous algae - Microscopic algae - Macroalgae (Nitella, Chara)	Up to ½ of the waterbody	When cyanobacteria counts reach 10,000-20,000 cells/ml or when significant macroalgae is present	When cyanobacteria counts reach 10,000-20,000 cells/ml
Alum	- Reduce phosphorus levels	Entire waterbody	When total phosphorus testing shows levels > 20 ppb	When total phosphorus testing shows levels > 30 ppb

Isolation of the Swimming Pond During Treatments

If the swimming pond requires treatment using either alum or algaecides but the boating pond does not, flow from the swimming pond to the fishing pond will be stopped for 48 hours by shutting down the water circulation system and lowering of the swimming pond by up to several inches. Stopping outflow in this fashion will prevent either alum or algaecide from flowing into the boating pond while still active.

Fish Stocking

There are still a number of elements to be evaluated regarding any fish stocking that may occur at the ponds. We do understand that the Commission has a concern that adding fish to the ponds may increase nutrients and/or their availability. This issue is considered by our Fisheries Biologists when preparing a stocking plan. Fish feeding will not be part of the stocking program. The final stocking plan will be provided to the Commission and all require state stocking permits will be secured.

If you have any questions or require further information please let us know. We will attend the next Conservation Commission meeting to review the updated Notice of Intent and answer any questions.

Sincerely,
SOLitude Lake Management

Dominic Meringolo
 Project Manager
 Senior Environmental Engineer