

Indian Lake POA Maintenance Report by Clean-Flo.

Dates: 8/1/23-8/3/23

Personnel: Steve Parker and Dave Grote

Arrival: 8/1 at 3:00PM

Departure: 8/3 at 8:30 PM

1. Product application:
 - a. Clean and Clear applied manually to coves.
 - b. Bio Booster applied manually to north end of lake and automatic dosing continues
2. Sonar scans of coves were performed to assess interim sludge reduction through enzyme applications.
3. Maintenance on all cabinet scans performed.
4. Star Dock:
 - a. Electrical circuits upgraded week of 7/25 to include four new 110V circuits supplying two 4-gang outlets, one on north side of building and one on south.
 - b. New 1/2hp piston installed and new diffuser laid approximately 200' south of diffuser 54, which is at the deepest point (42') of the lake. This was to help increase turnover and address deepest portions of muck accumulation.
 - c. Filters replaced on all piston compressors.
 - d. Dosing system maintenance and adjustments
 - e. Jet Pump on automatic dosing system replaced and upgraded.
5. Beach:
 - a. Two new sensors installed to monitor compressor upstream vacuum and flowrate
 - b. Control, monitoring, temperature, and AC units checked. Temperature has only exceeded 100 twice in the last two weeks. These were on days that the outside temperature was close or over 100 itself. So, cooling system is succeeding.
6. Repairs and replacement:
 - a. D12 (Cove 9): airline cut by prop strike approximately 200' south of diffuser.
 - D12 was recovered via hooking across the bottom of the lake.
 - The compromised airline was cut out and the remaining line was spliced together to restore function. Additional airline was not required for this repair.
 - b. D74 (Cove 1): Airline disconnected at splice.
 - Line was separated about 500' east of the diffuser, but still connected to compressor. It appeared to be disconnected splice.
 - Neither the line from the diffuser nor the diffuser could be recovered.
 - Diffuser was replaced with refurbished diffuser and 500' of airline remaining from the replacement operation in March 2023.
 - c. D65 (Cove 7): Airline disconnected at compressor and 400' east of diffuser. Channel was dragged with grappling hook for two hours in effort to recover line but it could not be found. Only 500' of airline remain from the March 2023 operation which was not sufficient to replace line between compressor and break in line east of diffuser. This repair will take place in September.
7. Sampling
 - a. YSI samples taken at RLS sample points.
 - b. Secchi disk taken at RLS sample points.
 - c. Zooplankton samples taken at RLS points S4, S3, and S2.