

6b.

Jodi McGrane - Jodi,

From: Jaimie Clout
To: McGrane, Jodi; Rousseau, Roger
Date: 2/19/2019 4:48 PM
Subject: Jodi,
Attachments: Bristol Repairs Proposal 12319.pdf

Jodi,

Most recently, it has come to my attention that some emergency repairs to our existing aquatic maintenance and operational equipment need to be made. Additionally, some immediate replacement of said equipment is subsequently necessary at the Dennis Malone Aquatic Center. Please allow me to summarize the items of concern. The pool pump has been losing its prime due to loss of energy on the suction side of the pump. The pump has been vibrating and making sounds that indicate intermittent cavitation. Consequently, the pump has been running at much higher than normal temperatures and is at imminent risk of failure. The lead time on manufacturing these pumps is 6-8 weeks which could leave the facility shut down for that period of time. We are currently in peak season of our HS teams and our splash team who would have no alternate facility to utilize. Related to the pump is the pump strainer basket which helps to filter out large, organic matter from the pool water. The current strainer basket is undersized for the amount of water we have in the pool (197,000 gallons). This fact is complicating the issue of the pump motor and contributing to the cavitation issues we are experiencing and needs to be replaced. Also relative to the pool pump motor is the control box that supplies the power to run the pump. The current drive is running at very high RPM's due to corrosion inside the metal housing panel. For this reason alone, it should be replaced. However, in 2021, it will be mandatory for commercial swimming pools to have "Variable Drive Pumps" installed that would replace what we currently have in favor of a unit that is much more energy efficient. We would be replacing a piece of equipment that should be replaced immediately, as well as getting ahead of the legislation that will soon mandate replacement. Some other issues are as follows: We are required to have an automatic water fill system to regulate our equalizing gutter system. Per public swimming health code, "An automatic and manual water makeup control must be provided to maintain the water level at the lip of the overflow gutter or at the mouth of the recessed automatic surface skimmers and must discharge through an air gap into a fill pipe or collector tank." In August of 2018, Savol Pools was contracted to repair our existing auto fill system. At the time, they replaced some parts, but the system never functioned properly. I emailed the company and called the contractor repeatedly, with no response. When I did manage to get a hold of them, they came out, made an adjustment to the two float valves inside of the pool deck pit and left the system "as is" with no final remedy. At this time, I called another contractor (CT Custom Aquatics) to come out to our facility and diagnose the issue. They found wiring that was done backwards and severed wire that was never fixed. Related to this issue is the existing deck hatch which fails to open altogether. This pit hatch needs to be inspected daily to assess water levels and ensure that the equalizing gutter systems are working properly. The hatch has been corroded and rusted since at least 2014. Prices were quoted, however, the work was never completed. For the safety of our staff, the hatch needs to be replaced immediately. Lastly, our automatic pool cleaner has broken. The vacuum is essential to maintaining proper water chemistry and clarity. The vacuum was deemed "worn beyond repair" by a service professional who diagnosed its condition in mid-January 2019. We have since replaced the unit but wanted to mention this as it was quoted for replacement by CT Custom Aquatics (attached).

Please let me know if you have any questions.

Much Thanks,

Jaimie Clout
 Aquatic Supervisor - CPRP
 Steward, BPSA
 City of Bristol, CT



Dennis Malone Aquatic Center