

Agenda

October 10, 2019

Regular Meeting: 6 pm

Lincoln City, Council Chambers

801 SW Hwy 101, 3rd Floor



Call to Order

Roll Call

Approval of Consent Agenda

Public Comments

Committee Reports

Committee Update – Committee chair to provide a briefing to the board.

Sewer Committee

ACTION ITEM – Presentation of a final report and resolution to dissolve the DLWID Sewer Committee.

Special Projects / Events and Communications

Committee Update – Committee chair to provide a briefing to the board.

ACTION ITEM

Update on recent and upcoming events

Potential Fishing Derby

Save our Shoreline and Water Monitoring

Committee Update – Committee chair to provide a briefing to the board.

ACTION ITEMS

Boy Scouts Water Gardens Projects

New Shoreline Restoration Projects

Plant Sale

District Projects and Operations

Devils Lake Conservation/Aeration Project

All aeration system equipment is functioning as planned and required.

ACTION ITEM

Maintenance was performed on the lake bottom aeration system this week. John Tucci of Everblue Lakes traveled here to ensure the system was functioning properly. In general the system was working fine there were however a couple of items to address: 1. The main effluent air line was perforated and leaking air. It was determined that the wet location of the hose was not compatible with the metal. To remedy this situation, Bill and Scott dug up the entire length of the defective line. John Tucci and myself fabbed galvanized piping from the compressor to outside the compressor building. The line was then removed and replaced with a non-metallic hose which has been used in these applications successfully. The new line can be spliced and repaired, we do have repair kits on hand as well. It would be possible to hard pipe the compressor to the manifold and potentially avoid any further problems with the current rubber hose set up. Bill John and Scott spent a day on the water as well cleaning the diffusers. They had heavy bio fouling and John recommended a twice a year cleaning. It will take at least an entire day to clean all of the diffusers in the future. I will be working with Bill to determine ways to streamline the cleaning process.

Devils Lake Video Monitoring Project

The camera is functioning as intended. Staff is evaluating ways to improve the camera systems stability.

ACTION ITEM

Due to power and internet fluctuations they occasionally need reset. Staff has secured a second installation site farther north on Devils Lake for placement of our second camera.

Airstream Pro Shoreline Aerator

The main drive motor was damaged by storm debris and has been replaced. The Lake Contractor has re-installed the unit in the lake, and it is operating near the Sand Point/Thompson Creek area.

D River/Devils Lake Flood Protection

Flood Management options for the inundation of tidal sand and storm debris in the D River channel continue to be evaluated. Meetings with individual stakeholders are moving forward to find collaborative solutions to the problem.

ACTION ITEM

DLWID has executed a contract with Civil West Engineers Services for a survey to locate a sediment removal channel and provide an estimate of debris volume for potential removal.

Staff met with Lincoln City Public Works staff and discussed urgent need to remove the built up sand woody debris from the 3rd Street Canal (adjacent to bridge) and within D River, South of Kyllos Restaurant. It was agreed that action must be taken, and the city has agreed to assist us in the effort. We are currently awaiting a rise in lake level in order to assist in moving the logs from the channel. This will be the first step in removing the built up tidal sand.

Staff has contacted the USACE regarding their role in the impending D River project. They have requested that we complete and submit a full permit to their agency. Staff is currently working with the USACE to determine requirements and complete the permit application.

Staff continues to contact dredging contractors to determine pricing and possible methods of removal for the sediment.

Water Quality Briefing

Water quality and clarity continue to be improved in Devils Lake. Recently there have been accumulations of green algae but Algae levels are lower than in previous years and appear to be less consolidated. The Dissolved Oxygen levels (over 97% on the bottom) and pH (avg. 7.4) are currently excellent indicating a healthy water chemistry. During a visual survey there was still a noticeable concentration of wind-driven algae, most likely *Anabaena*.

There continues to be a higher volume of plants in the lake as compared to previous years which is to be expected. However, the lake still needs a substantial amount of revegetation in order to maintain a good natural balance. After DLWID staff surveyed the lake this month we were able to estimate how much vegetation is currently growing in the water. We are at approximately .3 percent, well under our 20 percent goal. There are two dominant species growing at the moment, spatterdock and tapegrass. neither are invasive.

DLWID staff will continue monitoring the plant growth and present vegetation management options as necessary.

The District continues to work on identifying sources of pollution in Thompson Creek. Recent conversations with Dave Waltz of DEQ confirm their agency is working towards identifying the sources of contamination.

General Operations

No updates

New Business

ACTION ITEM

New Part time Positions update

Non-Agenda Items

ACTION ITEMS

Emergency Planning