



**MINUTES
DEVILS LAKE WATER IMPROVEMENT DISTRICT
REGULAR MEETING**

**DLWID OFFICE
October 4, 2007
6:00 P.M.**

PRESENT: Otis Winchester
Jack Strayer
Brian Green
Smokey Aschenbrenner

ABSENT: Brian Green

AUDIENCE: Doug Pirie
Don Sell
Raylene Erickson, PADL Recording Secretary
David Juenke
Ursula Sperry

STAFF: Paul Robertson

MEDIA: None

The meeting was called to order at 6:00 p.m. by Chair Winchester.

Minutes of Previous Meeting

Strayer requested some changes in September's minutes. Aschenbrenner moved and Strayer seconded approving the minutes with changes.

Vote: Unanimous. Motion passed.

Financial Report

A few small changes were explained by Robertson.

Pending quarterly deposits—IRS is \$1,391.94 and Oregon Department of Revenue is \$498.16.

Special Order of Business

Director appointment and swearing in.

Aschenbrenner moved and Strayer seconded that Dave Juenke be appointed to the open position on the Board of Directors.

Vote: unanimous. Motion carried.

Mr. Juenke read the oath of office and signed the certificate.

Public Comment

None

Unfinished Business

Green Acres

Robertson presented a PowerPoint slideshow on the work of the pushup dam and infiltration device. Work was completed between the 10th and 14th of September. The anticipated clay bottom of the ground was instead soft earth, which resulted in an adjacent bank failure. Mr. Neals worked in the evening and used gravel and concrete from the dam to shore up the bank. Coconut matting was installed to minimize erosion. Robertson said he is not concerned with downstream erosion, just the shoreline. Robertson was the project manager and Paul Katen was the permit and grant applicant. The device is in place and the site has been regraded. Next week, paperwork will be completed and ongoing long-term monitoring will be conducted to comply with the grant criteria.

11th & EDLR

Nothing new on this issue.

3280 EDLR

The landowner has declared that he has controls in place. DSL said they met with the landowner and have determined that the material in question has not entered the wetlands. Robertson feels that silt remains in the wetlands from the 40 to 100 truckloads of material that were placed on the site. Nevertheless, DSL does not appear to be concerned, and has closed the case, according to the copy of the letter that Robertson received.

Boat House/Docks

No updates.

Property Access Permission Slips & Mailing

Kevin Erickson created a mailing list for selected property owners and several letters from the mailing have been returned. Robertson reported that one landowner declined; however, most were positive. Robertson relayed information to the grant agency that Erickson's assistance was very beneficial to the District and much had been accomplished.

Cyanobacteria Toxin Testing Equipment

Robertson proposed to Salmon Creek Watershed Council that they expand their OWEB grant application to include funding for a cyano-toxin lab in Lincoln County. They currently have OWEB grants to monitor e-coli and this could augment what they are already doing. An in-kind match could be proposed. Approximately \$5,000 would be needed to buy the equipment and an annual operating cost would be budgeted. Robertson spoke to the manufacturer of testing equipment who feels that outstanding reagents (at about \$500 apiece) will come to market in May. The next meeting is on Tuesday and Robertson will obtain more information. The District has until 10/22/07 to apply for a grant; Robertson will speak to Paul Katen about applying for a grant.

Lake Level Measurer

Robertson priced out a measurer to replace the previous one—it would be about \$2,000. A digital reader would consist of three main parts. Robertson recommends purchasing one that measures height only rather than height and temperature. It could be read at about 100 meters away and data would be accessed weekly. It would be placed in the location where the existing stage is. The base cost for everything would be approximately \$1,645. The battery requires charging every three months; Robertson will pursue separately the price of a solar battery charger. Aschenbrenner moved and Strayer seconded authorizing Robertson to spend up to \$1,700 for a water level measurer. **Vote:** unanimous. Motion carried.

Director Jackets and IDs/Senior Fair

The Board expressed approval with the jackets and their new ID badges. Robertson stated that their first opportunity to wear them would be October 30 and 31 at the Senior Fair. He asked for volunteers to fill in during the times he would be unavailable to staff the booth. Winchester is working and cannot attend. Strayer volunteered for Tuesday afternoon and all day Wednesday. Aschenbrenner said he would be available some of the time.

Native Revegetation

Strayer reported that he met with Dr. Sytsma of PSU, who has collaborated previously with DLWID. Strayer is gathering information on how to control noxious weeds. There is very little information on which plants should survive in the lake and would be beneficial. Dr. Sytsma provided a list of ten weeds he recommends, one of which is the Sago pond weed. The first step would be to establish nurseries for weeds and begin in the shallow areas between the state park and the canal toward the ocean. Talent has an irrigation district that has some of these weeds. He suggested digging up the small roots while water level is low. This weed does not spread and it is a native plant; Dr. Sytsma

said that disposable containers might be used. He suggested that Mary Beth Gibbons in Bainbridge Island would be a good source of information. Robertson reminded the Board that she is the person who performs the sample testing for DLWID.

Strayer said that Blue Lake Park has three Solar Bees. He spoke with (Portland area) Metro's Jim Morgan who will have a report in November on the Solar Bees' effectiveness at Blue Lake. The homeowners control Blue Lake and make decisions regarding its issues. Morgan will send the name of some of the homeowners that Strayer can contact. Their HOA reportedly made a deal to use the Solar Bees for one year and if they are not effective, they do not have to pay for them. They continue to have the blue green algae; however it appears to have diminished somewhat. Robertson said he feels experiments need to be considered for longer than one year to be declared ineffective. Blue Lake is a channel of the Columbia River and lake level rises and lowers with the Columbia, although it is two or three miles from it.

Dr. Sytsma said a graduate student might be found to assist Robertson with computerizing data. Their Environmental Engineering Dept. has a lake model. He said if different chemicals are placed in the model, they might determine how effectively the Solar Bees would be. Robertson said he has talked with Dr. Sytsma about graduate students in the past and would welcome additional research assistance.

Strayer will work on the list of beneficial plants. He has also sent a message to Galovich and is awaiting a response. Strayer will report again next meeting.

SDAO Grant – Intern

Robertson completed a report and sent it to the granting agency detailing the success of Kevin Erickson and the intern project. Robertson reported that 80% of the work was completed. There are some obstacles in developing a more detailed database that perhaps a computer expert could overcome. The profile data is limited and there are some logistical challenges. Kevin is interested in continuing his work and Robertson would like to have him return. Cost of his salary for six weeks was \$4,000. The cost of an additional two weeks would be \$1,200.

Strayer moved and Juenke seconded approving a Resolution that would move some contingency dollars into the budget for Kevin Erickson to continue the database project. Robertson will present the Resolution next meeting.

Vote: unanimous. Motion carried.

New Business

SIL 2007 Report

Robertson's trip to Montreal was August 8 through 12 and the volume of information from the conference was great. Robertson took some vacation time in tandem and traveled to Vermont to check out Lake Champlain and their success with three Solar Bees on their algae problem. Robertson reported that the water was clear of cyanobacteria and seemed to be moving. The bay is one with a great deal of nutrients running into it from

intensive agriculture in the basin. They have had extensive blue green algae problems, and in 2000 or 2001, some dogs died from the cyanobacteria. Robertson has placed a call to a friend in Vermont to determine who is managing the bay and will be following up on the success or failure of the Solar Bees installation.

Robertson stated that there were approximately 1,500 limnologists at the conference and one of them relayed that he felt the Solar Bees had greatly exaggerated their success and that he did not feel they could move as much water as they claimed. He said that nothing works 100% effectively.

Discussion ensued regarding the public's objection to detracting from the lake's aesthetics by the placement of aeration equipment, and educating the public on their necessity.

Oregon Lake Association Report

Robertson reports that he attended the conference at Diamond Lake, along with 40 or 50 others. One agenda item included the project of removing the Tui Chub and other fish from Diamond Lake and attempting to restore it to a fishless system.

Other items of interest were a DEQ presentation on invasive species—Zebra and quagga mussels that are invasive to lakes with high calcium levels (which Devils Lake is not), and a discussion on public access to canals.

Robertson was appointed to the Board of Directors.

Erosion Control Seminar Report

Robertson reported that 50 people attended the seminar. In the morning, there were visits to eight or nine sites in the field on a school bus in the rain. The group enjoyed a nice lunch and a speaker at the new Pacific Coast Center for Culinary Arts. Lincoln City was showcased nicely to a variety of people from outside the area. There were seven vendors and three speakers, two from DEQ, including Bobby Lindberg and Christy Sewell, who will be a good contact for erosion control issues. Robertson and Annemarie Mueller from the City coordinated the entire program. Robertson showed the PowerPoint slideshow on the lake circulation.

LaPine, Oregon WWTP: Mark 3

Robertson met with Scott Perkins, chief operator of this plant in LaPine. Al Temple previously spoke to the Board about these Wind Powered air circulators. There have been problems with replacement parts—most problematic are the gear boxes. Perkins reports that the manufacturer has been very helpful; however, only five of the units are currently operating. When they are operating, they perform adequately. Robertson said that conditions at the coast would probably not be the best environment for this equipment, although there is a warranty. Solar Bees are less imposing than these circulators and their mechanical fitness is sound. Robertson spoke to Joe Eilers again about the cost of the Solar Bees.

Non-Agenda Items

None

Public Comment

Don Sell asked if the lake measurer is vandal-proof. Robertson stated that there had been no vandalism on the other measurer and this one will be in the same location. Pirie and Robertson discussed pros and cons about where to locate the measurer. Robertson prefers to install the gage at the existing site to promote more effective comparison to existing data.

Announcements

Robertson will speak on KBCH 1400 am at 7:00 a.m. next Tuesday. (Dates are always the first Tuesday after the first Thursday of the month).

Robertson will be the Chamber Chat Host on October 15, 2007, when his guest will be Peter Donaldson with SALMONPEOPLE.

SALMONPEOPLE: October 18, 2007 at 7:30 p.m. at 4C's

Senior Fair: October 30 and 31 at the Chinook Winds Casino Conference Center.

The Board meeting adjourned at 8:00 p.m.

Respectfully submitted,

Linda Burt