

DELAVAN LAKE SANITARY DISTRICT

MINUTES

Regular Meeting

February 21, 2018

9:00 A.M.

CALL TO ORDER.

President Miller, called the meeting to order at 9:05 A.M. at the Delavan Lake Sanitary District located at 2990 County Rd F South, Delavan, Wisconsin.

ROLL CALL. Present: Thomas Miller, President
Kim O'Keefe, Commissioner (*via telecom at 9:05*)
Thomas Johnson, Commissioner
David Reider, Commissioner
Richard Beers, Commissioner

Visitors: Mary O'Connor
Dan Lemanski
Mary Knipper
Landon Wiet of Natural Lake Biosciences
Kevin of Aqua Fix
Don Holt
Dale Robertson of USGS
Roy Carlson of Lake & Pond Solutions
Ryan Simons-Town of Delavan Chairman
James Gilbank of Gilbank Construction

DECLARATION OF A QUORUM.

President Miller declared a quorum present for doing business.

APPROVAL OF MINUTES OF REGULAR MEETING OF JANUARY 17, 2018

Administrator Jim DeLuca received an email requesting a change on page 3942 to make a typing correction and change the word from would to may. Commissioner Beers requested a correction be made on page 3943 to state that while clear cut harvesting starts June 15, prior to June 15, there is only cutting for navigational purposes. Commissioner Beers made a motion to approve the

December 13, 2017 meeting minutes with the noted corrections. Commissioner Reider seconded the motion which carried unanimously.

FINANCIALS

After reviewing the bills and a brief discussion, Commissioner Johnson made a motion to approve payment of bills represented by check numbers 25724 through 25773. Commissioner Beers seconded the motion which carried unanimously.

ADMINISTRATOR'S MONTHLY REPORT

In addition to the monthly report already provided to the commissioners, Administrator DeLuca discussed the challenges presented by yesterday's flooding. Great Lakes is out today to start televising our deep sanitary sewer in the swamp because it's a large pipe and we're going to start looking for leaks there. The work in View Crest is completed for the top part only of two manholes. We still have a few more to do and those will also get external seals put on to stop leaks. There's still leaks in the bottom barrel and the bench and we have that allocated as soon as the contractor can get free and grout those. We're going to televise those sewer lines in View Crest first to make sure we don't have any other problems there as that is truss pipe and truss pipe has been failing in a few spots. We are watching that more closely now. The other manholes will be done in the summer. Another major problem was at lift station 9 in area 9, due to a farm field that had washed into a new home under construction and filled it to the floor joists and all the floor drains and building drain piping in the basement was open. The main sewer line was full and started to back up and the lift station had a high wet well alarm. The crew aided the area with hydraulic pumps and then had the contractor cap all his inside plumbing. Similar problems do happen in other places when people open up their clean outs and sump pumps to the sanitary system, creating high wet wells at our lift stations. Gate 3 is damaged at the dam. The rod is bent and the gearbox failed and is being rebuilt. The lake is currently high and we have 2 gates completely open, gate 3 doesn't work right now and the town is working on the issue.

LAKE COMMITTEE REPORT

Commissioner Beers gave a brief report on the February Lake Committee Meeting.

COMMENTS AND SUGGESTIONS OF CITIZENS PRESENT ON AGENDA ITEMS.

None

MOTION TO MOVE AGENDA OUT OF ORDER

Administrator DeLuca made a request to take the agenda out of order, item 12 is requested to be moved concerning lift station #2 progress to item 9 in order to accommodate the Gilbank Construction representative as Doug Snyder was unable to attend this meeting. President Miller agreed and made a motion to take the agenda out of order as requested. Commissioner Beers seconded the motion. The motion carried unanimously.

James Gilbank reported the project is on track with the new schedule. The station will be in bypass for roughly the month of March. Once the station is out of bypass, the hut piping and straw bales will go away which is the most hindrance to the Yacht Club. The work after that will be confined to the actual lift station. The service for the Alliant switchover is scheduled for March 21 or 22 if there's a weather delay. There will be a 4 to 8 hour outage during the transformer exchange. Measures are in place to minimize the impact. The first week of April the controls work will begin which is confined to the lift station. Later in April to May, depending on weather, the masonry work on the building will take place. Administrator DeLuca requested a one to two day notice in regard to the power switchover to remind the Yacht Club and restaurant.

DISCUSSION & REVIEW OF PELLET TECHNOLOGY

A discussion took place to better understand the composition of the pellets as well as the effect and effectiveness on the lake and ponds. Representatives from Aqua Fix, Lake and Pond Solutions, Natural Lake Biosciences, and USGS were present to share scientific information for a better understanding of the chemistry and use of pellets. A discussion on the pros and cons took place.

The pellets are composed of bacteria. Soils contain phosphorous and ammonia (which involves nitrogen). Pellets act like probiotics. The chemical breakdown of these components once the pellets are released into the water was further discussed.

The different types of phosphorous states- fixed, active & solution was discussed. Further discussion regarding the pellets bacteria composition and how it reacts with the organic matter through mineralization, which settles at the bottom of the lake, was discussed. The pellets, acting like probiotics, stimulate what is on the bottom and speed up the decomposition of the nutrients as the more nutrients that are in the lake, the more algae will be in the lake. The nitrogen is taken and given off as nitrogen gas to get it out of the lake was discussed briefly.

Kevin of Aqua Fix noted that competition between algae & bacteria always exists. The use of pellets is an attempt to balance that and keep the harmful algae blooms in check. It is necessary to neutralize the phosphorous that will affect the algae and the noxious weeds. The effectiveness of this is hard to measure at times due to variable reactions taking place.

Dale Robertson of USGS noted that most of the phosphorous is released from organic matter in June, July, and August (when it's hot). The heat makes the organic matter go septic. The more septic, the more phosphorous will be released. Further discussions took place on the process that the lake goes thru both aerobically and anaerobically.

Dale Robertson of USGS stated that based on minimal observations the ponds stop about 35% of the phosphorus that comes in from the watershed and 65% makes it into the lake. Much discussion on the organic and non-organic matter collecting in the ponds took place.

A history of the ponds was given by Don Holt which included the intent for future dredging. The cost factor between dredging and trying the pellet technology was brought into the discussion.

Further discussion took place regarding the studies done by Lake and Ponds that showed promising results with the pellets. However, some believe a longer more extensive study needs to be done. Landon, of Natural Lake Biosciences, stated we wouldn't see negative impact from use of the pellets. While Dale Robertson of USGS doesn't think the pellets will screw up the lake, he also doesn't think there will be any impact at all from the use of the pellets. If pellets are used, Dale would like a scientific, full year study (ie: May to May) with control groups to be done. An outline of the pre and post monitoring was requested. Roy Carlson of Lake and Ponds was asked to address the requested study and if that could be included in the \$30,000 cost. He stated that testing and studying is already part of this trial program with the pellets.

The fact that Delavan Lake is a large drainage lake was shared by Mary Knipper. She believes data from the type of lake we are would be helpful in setting goals. Even though only a small area is being treated, what is it we wish to accomplish that affects the whole lake, needs to be asked.

The use of pellets in Browns Channel, Ravenswood and View Crest was noted by Commissioner Beers. Comparing all three together, Browns Channel has shown the least amount of difference in the pellet project even though it's been using them the longest. Because Browns Channel has so many outside influences and run-off events, it's difficult to use this as a true test.

A 10 minute recess was called by President Miller at 11:10. The meeting reconvened at 11:18

DISCUSSION/POSSIBLE ACTION POSSIBLE FINANCIAL SUPPORT OF PELLET PROGRAM

Commissioner Reider made a motion to fund 50% of the pellet program proposal from Town of Delavan to go forward with the project. Commissioner Johnson seconded the motion.

Further discussion ensued in regard to the possibility of other townships and cities participating in the funding of this project. Commissioner Reider stated letters by the Town of Delavan, may get sent out to request participation, however waiting for that participation response would not allow the project to start by this spring. That is why he is making the motion. Once other contribute, DLSD could see a refund. Approval by Delavan Lake Sanitary District would ensure a timely start.

The steps and scope of the project were further expounded upon by Commissioner Reider. There will be 9 locations and 5 grab samples at each location to be done each month by Lake and Pond Solutions. They will do the application, set the confines based on the results, and report to Ryan Simons at the Township. We will come together monthly as a group to discuss the results. This process is to start when the water temperature reaches 55 degrees (probably in May) and go through September or October. They will do final measurements to find out how it works. Then we meet up and discuss and make recommendations. Samples will continue to be taken over a full year period as Roy has committed to doing.

After no further discussion, a vote was taken. Commissioner Beers, Commissioner Johnson and Commissioner Reider voted yes, President Miller and Commissioner O'Keefe voted no. Motion carried.

DISCUSSION REGARDING MULTI-PURPOSE EQUIPMENT ON-GOING STATUS

Administrator DeLuca gave an update on his research of multi-purpose equipment. There is another product out there called Berky that's got the same versatility as the Truxor but has a bigger pump. Both can crawl on land, they are also amphibious & can cut and do other weed harvesting operations. In hopes of looking at both pieces of equipment together, he is waiting for a call from the gentleman with the Truxor who is also working on purchasing a Berky. It was decided to table this item until the next meeting.

DISCUSSION/POSSIBLE ACTION FUTURE PROJECTS & ENGINEERING

Doug Snyder was unable to make the meeting. He would like to continue offering last year's discounted rate with us. Administrator DeLuca would like Doug to revisit the study of the Lift Station Projects and give us a priority list on the Lift Stations. As part of the study, he would like a sewer connection rate study done. This would lend to justification of what is currently being charged. Doug gave a proposal of \$13,500 for doing all of that. The Board would like time to review the proposal before rendering a decision. This item was tabled until the next meeting requesting Doug to provide further details to the requests.

DISCUSSION/POSSIBLE ACTION REGARDING TRUCK REPLACEMENT FOR AN ON-CALL EMERGENCY SERVICE TRUCK

Replacing the 1/2 ton Ford that had transmission work done in the past and body rust issues with a multi-purpose vehicle that can be used as our "on call" emergency vehicle was discussed. Administrator DeLuca requested the approval of the purchase of a truck and accessories not to exceed \$45,000.

Commissioner Beers made a motion to accept the recommendation of the staff to purchase a truck and not to exceed \$45,000 with needed accessories. Commissioner Johnson seconded the motion which carried unanimously.

DISCUSSION/POSSIBLE ACTION REGARDING GENERATOR LOAD TESTING

Generator load testing which is taking the generators up to full load has not been done in over five years. There are thirteen units that should be tested. Ideally this should be done every 5 years. Three quotes were requested however Adam's Electric is the only one who has returned a quote.

Commissioner Beers made a motion to accept the bid from Adams Electric in the amount of \$3,575. Commissioner Reider seconded the motion which carried unanimously.

DISCUSSION/POSSIBLE ACTION REGARDING INSURANCE RENEWAL

Administrator DeLuca shared that the insurance expires March 15th, 2018. If we keep everything as is and stay with our current levels of coverage we'll have a savings of \$6,770 in our annual premium if we switch to R&R Insurance. There is the potential for additional savings if we reduce our coverage levels and increase our deductible.

Commissioner Miller made a motion to accept the R&R Insurance quote keeping limits current for \$27,947. Commissioner Beers seconded the motion which carried unanimously.

DISCUSSION/POSSIBLE ACTION JOINING TOTAL CARE EAP

The staff was polled as to their interest in using the EAP program that offers assistance and counseling to employees in times of difficulty or traumatic situations. The interest was low and potential use of the program was negligible.

Commissioner Johnson made a motion to not join the EAP program. Commissioner Beers seconded the motion which carried unanimously.

DISCUSSION/POSSIBLE ACTION REGARDING CD FUNDS

After a brief discussion about funds, Commissioner Beers made a motion to accept the recommendation by the staff to move 3 CD's. \$400,000 at Commerce State Bank for 18 months at a rate of 2.01%, \$300,000 at Settler's Bank, and

\$300,000 at Cedar Bank. Commissioner Reider seconded the motion which carried unanimously.

CONSIDERATION OF FUTURE AGENDA ITEMS

Administrator DeLuca advised that Bennett Street will need to be put on the agenda as court action will probably be needed.

Commissioner Beers would like a review of the parameters of the pellet study in detail to answer not only the question of parameters but also what the study is measuring.

DISCUSSION/POSSIBLE ACTION OR CONFIRMATION OF NEXT MEETING DATE

The next monthly meeting will be moved to the second Wednesday of March. The regular monthly meeting will begin at 9 a.m. on Wednesday, March 14, 2018.

ADJOURNMENT

There being no further items to discuss, President Miller made a motion to adjourn the meeting. The meeting adjourned at 12:18 p.m.



Kim O'Keefe, Secretary

Date Approved: March 14, 2018