

# RECORD OF PROCEEDINGS

## KREMMLING SANITATION DISTRICT

---

REGULAR BOARD MEETING  
APRIL 11, 2016

The Board of Directors for the Kremmling Sanitation District met in the boardroom located at 200 Eagle Avenue. The meeting was called to order by President Jason Bock at 7:00 p.m. Directors present: Dwayne Uhrich, Dave Sammons, Jim Ward and Dave Jones. Director(s) absent: None. Staff present: Superintendent Jeremy Bock, Engineer Nick Marcotte and District Manager Rich Rosene. Audience present: None.

**APPROVAL OF MINUTES:** UHRICH MOVED TO APPROVE THE REGULAR MEETING MINUTES OF MARCH 14, 2016 AS PRESENTED. SAMMONS SECONDED. ALL "AYE" VOTES.

**APPROVAL OF EXPENDITURES:** SAMMONS MOVED TO APPROVE THE EXPENDITURES PRESENTED FOR THE PERIOD OF MARCH 15, 2016 THROUGH APRIL 11, 2016 IN THE AMOUNT OF \$29,829.92. UHRICH SECONDED. ALL "AYE" VOTES.

**PUBLIC COMMENT:** None.

**ENGINEER'S REPORT:** Nick Marcotte provided the report for RG and Associates (RGA). The site application for the Bio-Domes has been approved by CDPHE and the final pilot test report has been completed and submitted. The ammonia removal was 0.1 pounds per day per dome this winter versus 0.07 pounds per day per dome last year. We should receive a letter from CDPHE with their concurrence soon.

The Process Design Report was reviewed by Superintendent Bock and Dr. Johnson at Wastewater Compliance Systems (WCS) for their comments and will be submitted to CDPHE soon. The report calculated that 619 domes would be needed, including the 50 domes already in Pond C. Since Pond C is smaller, it will be completely filled with domes and Pond B will have domes and diffusers. The original calculations assumed we had coarse bubble diffusers in the ponds, but we have fine bubble diffusers. That reduced the number of domes needed by about ten. We should still be on track for construction/installation to begin in the late summer/early fall and be completed by the end of the year. Sammons asked if the number of domes is still based on the 300,000 gallons per day of our full permitted capacity and Marcotte said it was. We also need two treatment trains for redundancy so that if one is down the other can operate and still meet our treatment requirements. A worst case scenario was used to calculate the number of domes needed in each pond and the total treatment capability so that the redundancy requirement can be met.

Wastewater Compliance Systems may be sending us a letter to modify their original agreement with us concerning the number of domes and total installation costs. The original agreement estimated fewer domes would be needed to meet our treatment needs and they may be asking for \$1.6 million rather than the original \$1.3 million. Some domes need to be dedicated to BOD removal and by moving the diffusers to the front end of Pond B for more BOD removal, we may be able to reduce the number of domes by about 15. The significantly higher number of domes needed is driven by the absurd ammonia limit on Muddy Creek. No one at the meeting could understand how the ammonia limit was decreased even though the flow in Muddy Creek was increased threefold; finally recognizing the actual flows since Wolford Reservoir was installed. Bock and Marcotte said they had asked how that was possible and did not get a good answer. They said the unit manager for permitting ran the numbers through their ammonia toxicity model and said they checked out. The real question that remains is how the ammonia limit was determined for Muddy Creek and that needs more discussion with CDPHE. Muddy Creek flows past the plant into wetlands and flood plains, much of which is protected by a conservation easement, and into the Colorado River about 1 mile downstream on Muddy Creek from the plant.

The possibility of derating the plant has been considered, but the problem is that when capacity reaches 80% of the permitted flow, new planning requirements would kick in. The process of getting the permitted flow increased again is difficult and time consuming.

The amount of funds available through the grants we have should cover the costs, even if WCS requests additional money due to the significant increase in the number of domes needed. It appears that we can use the existing two large blowers to provide air to the domes and we plan to upsize the tubing in the domes from 3/8 inch to 1/2 inch diameter for better air flow. We will need to construct manifolds for the dome air supply lines. The existing butterfly valves can be used to control the air flow between the domes and the diffusers.

# RECORD OF PROCEEDINGS

## KREMMLING SANITATION DISTRICT

---

REGULAR BOARD MEETING

April 11, 2016

Page 2 of 3

The baffle curtains will also need to be installed before any domes are placed in Pond B. The entire Bio-Dome project is covered by our current \$850,000 small communities grant, the \$125,000 design and engineering grant and the \$1,050,000 DOLA energy and minerals impact grant. The floating disk pond covers are covered by another DOLA grant.

WCS has a board meeting tomorrow and they will be discussing what their proposal may be. They will try to see how low they can go on their cost estimate. They have an incentive to keep it reasonable as this will be the largest installation they have in the country and this will get their product approved and installed in Colorado.

Marcotte will check on the design and engineering grant to see if we can get the 80% without getting a loan through the state revolving fund. Some clarification on the bidding processes is needed as we will have a sole source provider for the domes. The bid information will need to be advertised in the paper. The bidders will need to provide a process guarantee for the dome system that will guarantee that the number of domes specified will meet the discharge requirements.

WCS has asked for approval to begin construction of the domes, but they have been told we cannot proceed until all of the grant paperwork is completely signed and approved. A letter of intent may work and Marcotte will check on whether this.

**OPERATOR'S REPORT:** Superintendent Bock reported that the Auger Monster in the influent room will be getting new brushes and nozzles. The unit has been in use for about 8 years and the estimated cost of the parts is \$1,200.

Water Technology Group (WTG) will be here next week to look at what we will need for a new computer for the plant to be able to receive and use the data from all of our sensors and monitoring equipment. They will also coming up to service the lift stations under their maintenance agreement. Bock said that the state is now requiring the submittal of the monthly discharge monitoring reports through their new electronic system, NetDMR, which still has some problems. Bock said that we are overdue for a sanitary survey by CDPHE and he is hoping that they will wait until we are done with the entire dome project.

Pat Etler has passed the Small Systems – Water license test so he can help the town on the water plant and distribution system. Dillon Willson will be starting on May 16 as the summer helper for jetting and camera work.

**OLD BUSINESS:** Rosene said that the insurance company has issued a check for \$193,800 for the repairs to the damaged fabric cover on Pond A. He also contacted Greg Winkler of DOLA to see if we could modify the DOLA grant for floating disk covers to add Pond A. Our initial cost estimate for Ponds B and C was higher than the bid cost, so we have some funds left in that grant. Mr. Winkler asked for a letter requesting the modification and it was submitted last week. We may be able to get Pond A covered with the insulated disks and the old fabric cover removed and disposed of. The insulated disks will provide more insulation than the fabric cover and will help to maintain a higher water temperature going into Ponds B and C. The cost to the district for the full replacement by using the grant will be much less than the additional \$100,000 we had estimated to get the job done with insurance proceeds and our funds.

Sammons asked if the new covers and domes will help with getting the reuse water system up and running. Bock said he expects that the system will work well. He had a TSS reading of 2 mg/L last week and 99% BOD removal, even though the cover on Pond C wasn't installed until late fall. He has also dropped the water level about 6 inches on Pond D to get rid of the standing water and ice on top of the fabric cover. The turbidity is up right now due to the stirring of the water by adjusting the pond level.

Rosene said that the auditors were here last week and things have been going smoothly. They did ask if we used the debit card very much. If not, they recommended that we get rid of the debit card as it has lower protection on unauthorized uses than the credit card. Bock said he doesn't use it anymore since he got the credit card. The auditors plan to have the draft to us in June and the final by the July board meeting.

**SAMMONS MOVED TO QUIT USING AND GET RID OF THE DEBIT CARD. UHRICH SECONDED. ALL "AYE" VOTES.**

**RECORD OF PROCEEDINGS**  
**KREMMLING SANITATION DISTRICT**

---

REGULAR BOARD MEETING

April 11, 2016

Page 3 of 3

Rosene said he had looked into the ability to make an adjustment to monthly charges like Jeff Miller's issue at the cabins last month. He checked the Special District Association laws notebook and other items he had acquired at various workshops and found the only restriction was for waiving tap fees for anything except affordable housing. All the other fees and charges are considered a legislative function of the board. The district can make adjustments to charges when requested, but he felt that we needed a policy to set the number of months that we go back. The board has done some credits in the past due to water leaks that customers came in and notified us about, but there hasn't been a consistent method to determine the credit. Rosene will come up with a draft policy for the board's consideration.

Ward asked that the board consider a policy for a reduced monthly charge when a customer has their water shut off either seasonally or due to no occupancy in a residence or business. The town has a standby rate for water customers when they ask for their water service to be shut off.

Sammons said we need to consider the two changes to our rules and regulations; one to cover overage charges for commercial customers due to water leaks and one for a standby rate for all customers with their water service shut off.

**NEW BUSINESS:** None.

**ADJOURNMENT:** SAMMONS MOVED TO ADJOURN AT 8:15 PM. UHRICH SECONDED.

Signed:



Secretary