

TOWN OF SILVER CREEK
CASTLE DANGER SUBORDINATE SERVICE DISTRICT MEETING
SEPTEMBER 5, 2017

The Castle Danger Subordinate Service District meeting of The Town Board was held on Tuesday, September 5, 2017 in the Board meeting room. Present were Supervisors – Greg Hull, Mike Hoops, Dennis Moen; Clerk – Wendy Langanki; Alison Oftedahl.

Hull called the meeting to order at 6:00 p.m.

CONSTITUENTS CONCERNS:

NONE

Wastewater Operator's Report – September 5, 2017

Influent

June - Received 0.9113 million gallons of influent

July - Received 1.1621 million gallons of influent

August – Received 1.1108 million gallons of influent

Flows are higher than last year which is a reflection of the high volume of tourism on the North Shore.

In addition to the above, the district received in excess of 0.100 million gallons of trucked in wastewater.

Effluent

June-discharged 2.757 million gallons of water

July-discharged 3.393 Million gallons of water

August-discharged 2.963 million gallons of water

Total pumped this season through September 4 is 12.250 million gallons.

Current Operations

The effluent pump replaced prior to startup failed in June and the replacement for it was not received until late August. At the same time that one was ordered, I requested that Traut Wells order another pump to replace a pump that was beginning to get noisy. That pump had a seal failure the morning I shut the system down for water transfer, alum application and pump replacement. New pumps were brought on line on Monday, September 4, with a marked increase in pressure and flow.

The amount of rainfall this past summer has been stressful, to say the least. We are almost 8" above normal for rainfall. Look at that as about an extra 4' of water in one pond or an additional 5.4+ million gallons of water that has to be pumped. And remember on rain days I can't irrigate.

Normal routine maintenance is being completed.

We've had several grinder pump failures throughout the summer months, some ranging from as simple as a bad breaker or a blown out check valve to total grinder failure. These were all repaired by Larry working on his own, both of us together or me.

Minnesota Pump still has not come up with a good solution to replace the pumps at Gooseberry. Just this past Sunday I heard of a method to replace pipe with a larger diameter pipe that would not require excavation. I plan to investigate this further when I return from a few days off. Pumping and hauling from Gooseberry has been

minimal this year. If the alarm comes on at 2 PM or later, I take the chance that there will be enough capacity. Earlier than that, I tend to be on the side of caution and pull a load off.

Replacement pumps are being ordered on an as needed basis. We have 2 or 3 pumps at this time that can be taken in for repair. My plan is to send Conrad and Larry down to work with Bob Miller in his shop at a later date to diagnose and repair these pumps, so they can come back and finish setting up our pump shop. At that time with some additional phone time or shop time they should be able to work on our e-one pumps in house.

Filamentous algae was a problem again this year. With a new chemical available, "EarthTec" I was able to knock it down and keep it under control. It is not a cheap fix, but compared to chlorinating the pond, as I've done in the past, it becomes very economical.

All monthly reports and sampling were done and submitted to MPCA in a timely fashion.

Pending Maintenance Items

Dig up and repair the patch on Dan Doda's grinder station. They are planning to build a new home in about 2 years which will necessitate moving the grinder. That will be their expense.

Replace damaged fencing and fencing removed for dirt work

Continue straightening fencing at the ponds

Gooseberry Falls State Park (GFSP) flow issues

Televise collection lines as needed.

Mowing of trails on irrigation area.

Respectfully submitted,

Mike Hoops, Wastewater Operator

Motion was made by Moen, second Hull, to accept the Operator's Report as presented. Motion carried unanimously.

FINANCIALS & DELINQUENT ACCOUNTS AS OF 4-31-2017:

- Sewer Enterprise Fund: \$14,234.46 and Sewer Replacement Fund \$(10,255.32).
- Delinquent accounts - none

OLD BUSINESS:

- Gooseberry Village – we are waiting on the County for information regarding potential purchase of the tax forfeited acres.
- Gooseberry Falls State Park – Hoops reported he was working on figuring out the needs of the station. There is a method of installing a larger diameter pipe without excavation. He also discovered that the opening in the slide gate is only 3/4" while the pipes are 1 1/2"
- Northshore Mine leachate – Hoops stated he was still waiting on test results of samples taken. Discussed whether this would be a benefit to the Castle Danger Subordinate Service District, and potential income for the Enterprise Fund. Hoops was authorized to negotiate a proposed rate per gallon.
- Wenck proposal for NPDES/SDS permit addendum regarding alum – Hoops stated that having this language removed from our permit would save lots of money by not having to purchase and apply alum to the ponds. Motion by Hoops, second Moen to accept the proposal by Wenck and move forward with pursuing an 'Addendum to Wastewater Plant NPDES/SDS Permit Application for Alum Elimination', for

the estimated fee of \$3000, with Scope of Work as follows: Task 1 – Gather Data/Analyze Data to Support Request; Task 2 – Prepare Technical Memorandum as Addendum to Application; Task 3 – Deliver and Discuss/Negotiate Permit Modification with MPCA. Motion carried unanimously.

NEW BUSINESS:

- NONE

CASTLE DANGER LAND USE:

- Clerk presented information on the Olson Land Use Application. Permit was issued.
- 3110 Highway 61 – per request of owner, information has been sent regarding options for site development and structure placement.

There being no further business, meeting adjourned at 6:52 upon motion by Hoops, second Moen. Motion carried unanimously. The next CDSSD meeting will be held December 5, 2017 at 6:00 p.m. in the Board meeting room.

Respectfully submitted,
Wendy Langanki, Clerk