

CUMBERLAND SANITARY SEWER UTILITY BOARD

January 3rd, 2018 at 6:00 P.M.

1. CALL TO ORDER

6:01 p.m.

2. ROLL CALL

Utilities Assistant Katelynn Ernsting called roll with Anna Pea and Bill McLaughlin in attendance. Absent was David Lahey. Also in attendance was the Deputy Department of Public Works Director John Mollencupp, Town Manager April Fisher, and Town Attorney Dan Taylor.

3. CONSIDERATION OF MINUTES

*December 6th, 2017 Minutes—Approved 2-0 with a motion made by McLaughlin and a second from Pea.

4. PUBLIC COMMENTS (Please limit comments to 5 minutes maximum)

Jay Corbin- submitted his invoices for cleanup from sewer backup on Friday December 29th.

5. FINANCIAL REPORT

* Invoices More Than \$5,000—Approved 2-0 with a motion made by McLaughlin and a second from Pea.

Astbury- \$12,358.00- Class 3 Certified Operator Oversight

Astbury- \$27,977.00- Pressure Blower Package

* Claims Register—Approved 2-0 with a motion made by McLaughlin and a second from Pea.

6. OPERATIONS UPDATE

Gem Sanitary

- Sewer Customers delinquent- 9% or 63 customers.
- 219 new sewer connections since purchase of gem.
- Staff met with BBC to review of all outstanding work and future projects.
- GEM North Plant:
 - Plant is at 72% capacity for actual flow vs. design.
 - Maximum Daily Flow day was 318,100 gals.
 - Average Daily Flow was 123,800 gals.
- GEM South Plant:
 - Plant is at 16% capacity for actual flow vs. design.
 - Maximum Daily Flow day was 34,200 gals.
 - Average Daily Flow was 17,400 gals.
- BBC Pumps completed lift station checks in Gem.
- Operations are within satisfactory levels
- Pump one at north plant lift station failed and is being serviced by BBC
- BBC Pumps is working on a blower proposal for the Gem plant and an improved alarms system quote.
- Post aeration blowers need replacement at the North plant

Cumberland Sanitary

Permit Required Monitoring

“The Town of Cumberland acknowledges its responsibility to comply with the Americans with Disabilities Act of 1990. In order to assist individuals with disabilities who require special services (i.e. sign interpretive services, alternative audio/visual devices, and amanuenses) for participation in or access to Town sponsored public programs, services, and/or meetings, the Town requests that individuals make requests for these services at least forty-eight (48) hours ahead of the scheduled program, service, and/or meeting. To make arrangements please contact Christine Owens, Director of Planning & Development at (317) 894-6202 or planner@town-cumberland.com.”

All sampling and analysis was completed in accordance with the NPDES permit. The monthly average Ammonia Nitrogen concentration was 13.8% of the permit limit, the Total Suspended Solids concentration was 41.9% of the permit limit, and the cBOD concentration was 14.9% of the permit limit. We are continuing to monitor Total Phosphorus daily on the influent and effluent. The monthly average influent phosphorus was 3.87 mg/L and the effluent was 0.877 mg/L. The percent removal was 77.3%.

The area received approximately 3.96 inches of precipitation during the month. The daily max discharge volume was .900 MGD compared with the daily average design flow of 1.5 MGD and a maximum daily flow of 4.0 MGD. The facility discharged a total of 22.892 million gallons for an average daily flow of 0.7631 MGD, which is 51% of capacity.

Sludge Management and Disposal

Sludge wasting has decreased now that we have the solids levels back within an optimal range. Solids concentrations are checked regularly and wasting is adjusted as needed. Our plan is to continue thickening the digester so that there is enough thickened sludge for the centrifuge startup.

Due to the extreme cold temperatures, we have not been able to dewater the sludge in the digester. While there is still room for wasting, we will need to process some sludge with the Geo-Tube system prior to the startup of the centrifuge.

Maintenance and Repairs

We are continuing our efforts to get caught up on deferred maintenance tasks and have made quite a bit of progress. The facility is operating much more efficiently and effectively than it was at the beginning of the year.

The following are maintenance and operational issues that occurred during the November and December.

1. On 12/15/17 we had a flow surge of around 1 million gallons between 630pm and 1100pm. We investigated along the path where there is construction, but were unable to locate the source of the water. The plant handled the flow ok and all sample results have been within permit limits.
2. The D.O. probe controller in SBR 1 failed and was sent in for inspection. Due to the cost of repairing the existing unit, it will probably be best to replace the controller and both D.O. probes. We will be providing a quote for this work.
3. Due to the low temperatures, plant operation was taken out of D.O. control and placed into a timed mode. This will ensure that the blowers run adequately enough to keep the plant in compliance and not have anything freeze up.
4. On 12/18/17, Post EQ pump #2 failed and BBC was called to pull the pump. It was discovered that there was a seal fail and the pump was taken back to BBC's shop.

The following are updates to the previously identified issues:

1. The centrifuge rotating assembly is back and in storage on site. We need to get the Polymer mixing system replaced prior to start up. The polymer system has been ordered. Once we have an estimated ship date, we will coordinate with Andritz for the re-commissioning on the centrifuge and installation of the new controls.
The polymer system should be in by the end of January. Astbury personnel placed the rotating assembly back in the centrifuge cradle in preparation for re-commissioning.
2. The alarm system upgrade was approved by the board and we have scheduled Maxim Automation to get the new system setup.
 - a. *The WIN-911 system installation was completed and appears to be working. There are still a few issues that will need worked out and we will have Maxim onsite.*
- Mary Reported the following delinquencies:
 - 12%
 - 165 customers
 - 2028 bills
 - \$10,424.43 Delinquent total

7. OLD BUSINESS

Suez- Ben Lipps contacted Suez and we are waiting to hear back from them.

8. NEW BUSINESS

None

9. BOARD MEMBER COMMENTS

None

10. FUTURE AGENDA ITEMS

Suez Update

11. ADJOURNMENT

6:35 p.m.