

# CUMBERLAND SANITARY SEWER UTILITY BOARD

April 4<sup>th</sup>, 2018 at 6:00 P.M.

## Minutes

### 1. CALL TO ORDER

6:02 p.m.

### 2. ROLL CALL

Assistant to Director of Public Works Katelynn Oleson called roll with Anna Pea, David Lahey and Bill McLaughlin in attendance. Also in attendance was the Director of Department of Public Works Ben Lipps, Town Manager April Fisher, and Town Attorney Mitchel Ray.

### 3. CONSIDERATION OF MINUTES

\*March 7<sup>th</sup>, 2017 Minutes—Approved 3-0 with a motion made by Lahey and a second from McLaughlin

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

None

### 5. FINANCIAL REPORT

\* Invoices More Than \$5,000

- Astbury- Class 3 Certified Operator Oversight- \$12,358.00
- Town of Plainfield- Surplus Ultraviolet Equipment- \$7,000.00
- Wessler- Cumberland WPCF Phosphorus Removal Design- \$16,012.50
- Wessler- Noelting Estates Sanitary Construction Observations- \$5,273.49
- Andritz- VFD/PLC/OIT Upgrade-\$42,992.00—Approved 3-0 with a motion made by Lahey and a second from McLaughlin

\* Claims Register—Approved 3-0 with a motion made by Lahey and a second from McLaughlin

### 6. OPERATIONS UPDATE

#### Gem Sanitary

- The North Plant lift station pump #1 is out of service. BBC is replacing it in the coming weeks.
- BBC is replacing the seals at village green lift station.
- Both the South Plant and North Plant had new URAI blowers installed.
- Russel Contractors are still replacing diffuser arms at the North Plant.
- Plant and Lift Station operations are within satisfactory levels.

#### Cumberland Sanitary

#### February Operations

##### Permit Required Monitoring

All sampling and analysis was completed in accordance with the NPDES permit. The monthly average Ammonia Nitrogen concentration was 5.7% of the permit limit, the Total Suspended Solids concentration was 108% of the permit limit, and the cBOD concentration was 19% of the permit limit. We are continuing to monitor Total Phosphorus daily on the influent and effluent. The monthly average influent phosphorus was 3.03 mg/L and the effluent was 1.5 mg/L. The percent removal was 50.4%.

The area received approximately 4.63 inches of precipitation during the month. The daily max discharge volume was 3.701 MGD, compared with the daily average design flow of 1.5 MGD and a maximum daily flow of 4.0

*“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](mailto:planner@town-cumberland.com).”*

MGD. The facility discharged a total of 36.575 million gallons for an average daily flow of 0.1.3063 MGD, which is 87% of capacity.

The heavy rains and snow melt during the month caused elevated flows during the last half of the month. Not being able to waste from SBR #1 for a couple weeks increased the concentration of solids in the basin. The high solids, along with elevated flows, caused the facility to exceed the permit limit for total suspended solids a total of 5 times during the month, twice for monthly averages (concentration and loading) and 3 times for weekly averages. These are noted in the monthly reports.

#### Sludge Management and Disposal

Sludge wasting is continually adjusted in order to keep solids levels within an optimal range. For the month of February, we wasted an average of 10,470 gallons/day. Solids concentrations are checked regularly and wasting is adjusted as needed.

The digester has been decanted as needed. We are finished using the geo-tube bags for de-watering sludge. The centrifuge is back operating and we have been processing sludge on an almost daily basis. We are currently waiting for delivery of more polymer, which is scheduled for the first week of April.

#### March Maintenance

#### Maintenance and Repairs

The following are maintenance and repair issues that occurred during the month of March:

1. The centrifuge was re-commissioned and is operating great.
2. The UV modules were re-installed in the final effluent channel. All lamps are working properly.

However, there seems to be an issue with the hydraulic pumping system for the wiping system. All components of the wiping system were replaced in 2017 except for the pumping components. A local contractor is scheduled to address the issues with the hydraulic pumping system.

#### The following are updates to the previously identified issues:

1. 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 make sense to replace the controller and both D.O. probes. We will be providing a quote for this work.
  - a. New equipment has been received and we will be installed as soon as possible.
2. As mentioned in the January update, we had been experiencing issues with the waste pump in SBR#1. The pump ended up failing; the seals failed and allowed water into the motor of the pump. A quote for a replacement pump has been provided. In order to keep the facility in compliance with our permit, a rental pump is being installed so we will be able to waste sludge from SBR#1.
  - a. The rental pump is still being utilized. There has been a delay in getting the new pump delivered from the factory.
3. We are waiting for a response from Aqua Aerobics on the treatment plant PLC upgrade. I will be following up with them again this week.
4. During the visit in November, Aqua Aerobics made a few recommendations for equipment repairs or replacement. A formal quote for this will be provided.  
Items 3 and 4 are still being worked on with Aqua Aerobics.

#### **7. OLD BUSINESS**

None

#### **8. NEW BUSINESS**

- \* GEM Blower Panels Replacement - \$23,466.00 – Ben Lipps—Approved 3-0 with a motion made by McLaughlin and a second from Lahey not to exceed \$23,446.00
- \* Mader Reimbursement – \$204.00 - Ben Lipps—Approved 3-0 with a motion made by McLaughlin and a second from Lahey not to exceed \$204.00
- \* Wessler Noelting Estates Inspection – Not to exceed \$12,000.00 – Ben Lipps—Approved 3-0 with a motion made by Lahey and a second from McLaughlin to table until next meeting.
- \* USIC Locates Contract Gem Utilities – Ben Lipps—Approved 3-0 with a motion made by Lahey and a second from McLaughlin to table until the next meeting, and for Ben to explore different deals.

**9. BOARD MEMBER COMMENTS**

None

**10. FUTURE AGENDA ITEMS**

Locates

Noelting Estates

**11. ADJOURNMENT**

6:43 p.m.