

TECHNICAL STANDARDS COMMITTEE
Minutes - Monthly Meeting
WTRRF Conference Room - 700 Doty Street
Tuesday 1:30 PM, September 18, 2018

Call to Order – The meeting was called to order at 1:30 p.m.

Roll Call – Present were Jordan Skiff, Paul DeVries Cody Schoepke, Ben Propson Nick Leonard, and Eric Otte.

Approval of August Minutes– A motion was made by Nick Leonard and seconded by Cody Schoepke to approve the August 2018 meeting minutes. The motion carried.

Communication Session

Reports on:

- **Correspondence Relating to the Regional Wastewater System**

◇None

- **Records Exchange – Update of Contact List**

◇None

- **Sewer or System Improvements Anticipated, in Progress or Completed (Extensions or Rehabilitations)**

◇Paul reported that Elm Tree Lane and Ellis & 1st St. are complete. The contractor has moved to Seymour & Grove St. Tompkins St. needs to be finished, along with sanitary work in South Main St. Lift stations scheduled for rehabilitation are Taycheedah, Seymour & Arndt St. and Hickory St. August Winter & Sons was awarded the contract for the work. ◇Eric reported that the sewer main extension in Ashberry Ave. is now complete. The testing was performed by Northern Pipe and everything was found to be satisfactory.

◇Nick said the Blackbird addition is complete. Cody asked about additions to the sanitary system and their relationship between them and the Sewer Service Agreement as they relate to capacity and flow.

- **FP or RSAP Amendments Anticipated, in Progress or Completed**

◇None

- **Metering and Sampling**

◇Eric met with Larry from LaClare Farms. Larry said they are currently adding chemicals to the waste stream that would float the solids out, hoping to get the loadings down to an acceptable level whereby their discharge would once again be accepted by the sanitary district. Currently the sanitary waste is not allowed to be discharged into the sanitary system and is being hauled out by truck. Larry said they will be piloting a device/system that the waste would be run through before entering the sanitary system. Eric will forward the name of the system to Cody.

◇Cody had no new information on the selection of a flow meter for Empire #1. Eric will speak to Mary Toriello and Doug Sabel, Sabel Mechanical, regarding the flow meter selection. Cody wants to ensure that the meter that is selected would best suit the design of that station. Cody said that Sabel Mechanical is thinking about a Rosemont mag meter and Cody isn't sure if that meter will work with the present set-up of that station. Cody had a phone conversation with Doug Sabel about the meter selection and the limitations of each meter type. Nick pointed out that the Sewer Service Agreement gives the City the authority

to select the type of meter for installation. Eric will reach out to Mary Toriello and follow-up with Cody.

◇Mulcahy Shaw will be performing quarterly meter calibrations in the OSG on September 20, 2018. This service was previously performed by B & M Technical Services.

◇Eric does not have all of the meter station drawings from the sanitary districts. A letter was supposed to have been sent to the districts reminding them to submit their drawings. He'll bring this up at the annual OSG meeting on September 20, 2018.

- **Clearwater Reduction Fund Status and Party Activity**

◇None

- **Receive Sewer Project Closeout Records and Shared Sewer Cost Calculations**

◇None

- **Distribute Updates to Regional Sewer Design and Construction Standards and TGM Revisions**

◇None

- **Review Prior Activity**

◇None

Technical Session – Consent Agenda

Review as needed:

- **Review and evaluate new products and technology for incorporation into the standard specifications.**
- **Monitor the assessment, accumulation and use of the Clearwater Reduction Funds**
- **Maintain procedures and protocol for compliance with the Agreement**
- **Review and recommend proposed changes, revisions, clarifications, and amendments to the Parties regarding the Agreement and the TGM**
- **Consider and decide requests for specification waivers**
- **Prepare appropriate specification amendments**
- **Review shared sewer cost calculations for compliance with TGM procedures Conduct review of proposed revisions to the 2000 RSAP to identify potential regional impacts**

- **Special Quarterly Agenda Item - Review Preliminary Budgets**

◇Cody will share this information with the OSG at their annual meeting to be held at the Fond du Lac Regional Wastewater Treatment & Resource Recovery Facility on September 20, 2018.

◇Jordan distributed a memo dated May 7, 2018 from Cody regarding the 2019-2023 CIP to be used as a refresher for the complete list of projects.

◇Jordan noted the addition of a full-time Operator position and the closing of Saputo Cheese. Jordan asked Cody if he noticed influent phosphorus plant loadings decreasing since the closing of Saputo. Cody said Saputo only represents about 3% of total plant loadings.

This 3% was misrepresented as 22% on a flow data spreadsheet because domestic use was not included in that calculation.

Additional Items

- **WTRRF Operations Update**

◇Cody recapped the storm event that began on August 28, 2018, dumping 7 ½ inches of rain over a 3-day period. The plant blended 7.5 million gallons and by-passed 22 million gallons of wastewater. Cody said the North Fond du Lac tank was not used. Cody and Nick were in communication with each other during the course of the rain event. Nick explained that the

3.5 million gallon tank capacity helps to prevent surcharging and by-passing of the sewer system in North Fond du Lac as well as holding back flows to the City of Fond du Lac until the plant can accommodate the additional flow.

◇The trial addition of ferric chloride ahead of the primary clarifiers had to be halted due to high flows at the end of August. The high flows would have skewed the trial results. The trial will start again in early October.

◇The OSCAR system project has a problem with the air flow meters being erratic. These meters were not designed for the short length of the pipe. Cody said either the piping will be changed or different air flow meters will need to be installed. Because of this delay only one aeration basin may be completed this year and the other two will be completed in 2019.

◇The centrate tanks and piping were cleaned by WTRRF personnel. The scraping of the walls and floors was done to remove Struvite build-up. Cody said that even with the addition of ferric, there was still a considerable amount of Struvite in the tank that needed removal. The tank was last cleaned in 2017.

◇Cody shared contact information to be used during his absence, which will begin September 23, 2018 through October 5, 2018. Cody and Ben will be embarking on their training/research trip to Europe. Nick mentioned some difficulty in reaching WTRRF plant personnel after hours. Cody will email all emergency and non-emergency contact information and phone numbers to the TSC members. Ben gave Nick his contact information as well.

- **High Strength Waste Tank Project**

◇Donohue & Associates has reviewed the tank design and equipment, as provided in the feasibility study. Donohue has prepared lay-out drawings for the tank and piping. The type of mixing and style of pumps will be discussed during a phone conference with Donohue.

- **Deammonification Status**

◇The project start has been delayed for two weeks. The Paques equipment is in transit from the Netherlands. The seeding of the reactor with 6,000 gallons of seeding material, will take place the end of September, after which there will be a 30-day acclimation period followed by a 30-day performance test.

- **Financing OSG Portion of Capital Projects Update**

◇John St. Peter is drafting a memo to the City regarding the direction the OSG would like to take. Nick suggested that project cost allocation be based on the nutrient when the nutrient is the reason for the project, or base it on flow, when flow is the reason for the project. He also suggested separating the project billing based on whether it's over 10% of the district operating budget. Jordan will have a discussion with Comptroller's to see if this would be agreeable. Jordan will respond to TCS committee members.

- **City/OSG Mapping**

◇Paul showed a map of the collection system and what data has been added thus far. Eric said he wasn't sure what CAD files were already forwarded to Paul. Paul will email a list of the sanitary district files that are still needed.

◇When completed the on-line web map will identify connection points, district boundaries, size of lines, flow direction, lift stations, and manholes for each system. It was agreed this will be an on-line version but have a hard copy for official file use. An on-line password will be given to approved users. The on-line version of the map will not give the viewing public access to detailed attribute data. Nick would like Jordan to show this map at the annual OSG meeting and reiterate that not only are the updated maps from each sanitary district a requirement of the Sewer Service Agreement but also will be very useful to them when complete.

- **Sewer Service Area Update**

◇Paul is reviewing the City's final version.

- **OSG Annual Meeting Presentation**

◇Cody shared his presentation with the group. Four major topics will be discussed: WTRRF Year in Review, TMDL/Phosphorus Update, Current Capital Improvement Plan and OSG Payment Structure for Future Projects.

Adjournment

◇A motion to adjourn was made by Paul DeVries and seconded by Nick Leonard. The motion passed. The meeting adjourned at 2:54 p.m.

It was agreed to cancel the October meeting due to Cody's planned absence. The next meeting is scheduled for November 20, 2018.