

TECHNICAL STANDARDS COMMITTEE
Minutes - Monthly Meeting
WTRRF Conference Room - 700 Doty Street
Tuesday 1:30 PM, August 21, 2018

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

Roll Call – Present were Jordan Skiff, Cody Schoepke, Ben Propson (WTRRF Assistant Superintendent), Nick Leonard, and Eric Otte. Paul DeVries was absent and excused.

Jordan introduced and welcomed Ben Propson as the new WTRRF Assistant Superintendent. He also gave him an overview of the agenda.

Approval of July Minutes– A motion was made by Eric Otte and seconded by Nick Leonard to approve the July 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)**
◊Eric reported that Taycheedah SD#1 is planning a 400 foot sewer extension of Ashberry Avenue, starting August 22, 2018. Nick reported that a new phase of an existing development will be adding sanitary and water main to Prairie Fox St. and Fairlawn Ave
- **FP or RSAP Amendments Anticipated, in Progress or Completed**
◊None
- **Metering and Sampling**
◊New flow meters have now been installed in Luco Road, Doty Street, and Winnebago Dr.
◊The flow meter for Empire #SD1 will be replaced this year. WTRRF is working with Mary Toriello from Empire #1 and Mulcahy Shaw in determining the meter type. A more accurate flow meter is being installed.
◊Eric reported that WTRRF performed sampling at LaClare Farms at the request of the Town of Calumet and Eric Otte. Results showed great fluctuation in inflow and loadings. Eric believes there have been changes to their waste stream in the last six months. Originally LaClare said that only wash water would be discharged into the sanitary sewer, but it's evident that their processing waste is also being discharged, based on samples that were taken. One of the lift stations in Calumet was receiving high water alarms because the pumps were not able to pump past the blockage in the force main. Cody brought in a piece of solid debris that was found in the manhole piping. This debris is building up and coating the inside of the pipes, causing problems. Eric said if these issues continue that pre-treatment of the wastewater may have to be initiated by LaClare.
◊Nick suspects the substance showing up in their metering station is build-up from a car wash located in North Fond du Lac. Nick will talk to the owner of the carwash about keeping their sediment trap clean.

- ◇Eric said that the office of John St. Peter will be sending letters to all of the sanitary districts requesting them to forward their updated metering station drawings to Cody.
- **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 Constructions 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:

◇None

Additional Items

- **WTRRF Operations Update**
 - ◇Cody met with Donohue & Associates earlier today to discuss the addition of a high strength waste tank. Donohue evaluated the findings from CH2M that were part of the biogas feasibility study done in 2017. The additional high strength waste tank will be used as a carbon source for biological phosphorus removal.
 - ◇The OSCAR system, which is an ammonia based aeration control system, will begin operation with one basin going on-line the first week of September 2018. The remaining two basins will be phased in after ensuring that any glitches are taken care of during the trial run in the first basin.
 - ◇The digester clean-out has been rescheduled from September 17, 2018 to October 22, 2018. This is due in part to a delay with the arrival of the new polymer system.
 - ◇A trial run of adding ferric chloride to the head of the primary clarifiers will begin soon. This is being done for additional phosphorus removal and as an attempt to condense the sludge blanket in the primary clarifiers.
 - ◇Cody and Ben will begin their European training/research trip on September 23, 2018, for 10 days. They will be seeing the Paques Deammonification system, Airprex, the current technology in nutrient harvesting, and viewing technology that WTRRF will be installing over the next several years. This trip is being funded, in part, through a LIFT scholarship.

LIFT Scholarship Exchange Experience for Innovation & Technology Program (SEE IT) is an initiative spearheaded by the Water Research Foundation (WRF), the Water Environment Federation (WEF) and the National Association of Clean Water Agencies (NACWA) to provide scholarships for utility personnel to visit other utilities with innovations of interest and to share experiences with their peers. Innovations may include new technologies and processes, but also novel approaches to service, operations, and finance. LIFT SEE IT provides hands-on interaction with innovative technologies and approaches with representatives that are implementing them to provide program participants with the needed perspective and information to accelerate adoption at their own facilities. The scholarship amount is \$5,000.

- **Deammonification Status**

◇The project is on schedule. The Paques annamox equipment should arrive at the plant near the end of September 2018. The seed bacteria will arrive in mid to late October 2018. The reactor will be fed and performance testing will begin at year-end.

- **Facility Master Plan Update**

◇The plan is in the Data Request phase. WTRRF staff, along with Paul DeVries (City Engineer) and Eileen Baus (Utility Accountant) are working on providing all requested data to Donohue & Associates such as plant historical data, industry loadings, OSG flows and loadings, and water shed sampling. Donohue will be corresponding with the industries and OSG to see where they're at now and what their future could look like.

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

◇The OSG may hold a separate meeting prior to their annual meeting to discuss this. Nick will let Jordan and Cody know after speaking to Matt Parmentier from John St. Peter's office.

- **Phosphorus Compliance Update**

◇Cody had a phone conference scheduled with Paul Kent, Stafford & Rosenbaum to discuss how to proceed with the updated TMDL numbers. Should WTRRF continue with questions and comments to the WDNR or instead pursue litigation, similar to the path of the City of Oshkosh? .19 is the number for the six month average for concentration and six month mass is 17.366 pounds per day. Nick asked how the daily mass limit is being calculated. Ben will email a conversion chart to Nick.

◇Jordan said that the core samples taken by the WDNR were not favorable to Fond du Lac. Cody said the research on the core samples was limited to two samples, and each sample was limited to two layers and that does not give the entire picture since each sample has multiple layers to it.

- **Sewer Service Area Update**

◇Paul was not present to give an update from the City.

- **Miscellaneous**

◇The OSG Annual Meeting will be held at the Fond du Lac Regional Wastewater Treatment and Resource Recovery Facility on September 20, 2018. Cody will be addressing the members, specifically on the CIP, the TMDL, and current projects at the plant, in addition to taking questions from the floor and providing a tour of the plant.

Adjournment

◇A motion to adjourn was made by Cody Schoepke and seconded by Jordan Skiff. The motion passed. The meeting adjourned at 2:22 p.m. The next meeting is scheduled for September 18, 2018.