

TECHNICAL STANDARDS COMMITTEE
Minutes - Monthly Meeting
WTRRF Conference Room - 700 Doty Street
Tuesday 1:30 PM, November 19, 2019

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

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

Approval of October Minutes– A motion was made by Cody Schoepke and seconded by Eric Otte to approve the October 2019 meeting minutes. The motion carried.

Communication Session

Reports on:

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

- **LaClare Family Creamery**

- ◇The final inspection and walk through is scheduled for this Thursday. Representatives from Mulcahy Shaw will be there to set up and operate the equipment. The final design drawings have not been approved by the WDNR. LaClare planned on connecting to the Calumet sanitary system as of December 2 but that will not occur without WDNR approval. The communication system work going from La Clare to WTRRF will be inspected next week.

- ◇Eric said Kathy Diederich and Calumet Sanitary District are still working on the rate structure.

- **Calumet Station Easement**

- ◇Eric met with the homeowner and the homeowner is still working on a route. Eric thinks this should be arrived at in the next month. The design would need to be worked out and the force main re-routed.

- **Anammox Cost Breakdown**

- ◇Cody provided Nick with the numbers. Districts can use those numbers for their budget preparation. The numbers may change very slightly once the Clean Water Fund loan numbers come in.

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

- ◇Spot repairs and lining is still planned to take place over the winter months.

- ◇Nick said Great Lakes will be undertaking flow line repairs this week.

- ◇Eric said the Town of Fond du Lac SD#3 will be undertaking a manhole rehabilitation project. The south end of the system has had the manholes inspected, and while that area is fairly new, approximately 40% of the manholes are leaking. The leaks will be grouted and the pipes lined. The project is expected to be bid out before year end and work done over the winter, weather permitting.

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

- ◇None

- **Metering and Sampling**

- ◇Cody presented a log, used by WTRRF personnel each month, where meter readings are recorded. The log also shows pump run hours for the lift stations. Cody asked if the OSG's would like us to continue to record the hours. Since the OSG's should be tracking that information it was agreed that WTRRF would no longer record pump run hours.

- ◇The City gave all of the information on the Empire #3 metering station to Empire #3. Eric had a conversation with Norb Kolell and Norb understands what the options entail. The cost to run power to the new manhole is unknown. Norb will talk to the commissioners about each of the options.

- **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**

Additional Items

- **WTRRF Operations Update**

- ◇Ben reported that WTRRF personnel are working on winterization of plant equipment. Presently the primary clarifiers have been winterized, and the airlines have been insulated.

- ◇A 2" pipe blew off the main line on one of the mixing pumps on the discharge side of the pump. The valves would not close. WTRRF personnel were able to plug the line off temporarily. Those valves will be worked on when the digester is drawn down in spring of 2020.

- ◇Ben has conducted six tours since October. UW Oshkosh and UW Fond du Lac students have been the majority of the tours. I/I issues and how they tie to the TMDL were discussed. Tours are a great form of outreach. Ben also stressed the significance of WTRRF being a resource and recovery facility and not just a treatment plant.

- ◇Ben attended a CSWEA nutrient seminar focusing on phosphorus reduction. Cody was a presenter at the conference. Ben said there was a lot of good discussion related to Cody's presentation on Bio-P.

◇Cody reported that WTRRF will be piloting a ChemScan ortho-phosphorus analyzer. There is no charge to WTRRF for the pilot and after the pilot WTRRF will be keeping the unit, also at no charge. The new unit samples plant effluent every ten minutes and reads the ortho-phosphorus and communicates that information to the chemical feed pumps. It will also sample mixed liquor. The unit will factor in flow in order to control the chemical feed pumps. This will allow for more efficient chemical use while lowering phosphorus levels. The new unit should be connected by the end of December and operational in 2020.

- **Clearwater Reduction Fund – Continued Discussion from October Meeting**

This item will remain on the agenda for the December meeting.

The group is leaning toward an option of not setting aside a predetermined percentage of money for repairs but rather focus on routine maintenance and continual system improvements. All parties should strive to maintain and make corrections where deficiencies are found.

There was discussion on what factors would be used to include or exclude a district from contributing to the fund.

The new language/guidelines need to be uncomplicated or it will be too difficult to administer, which is what happened with the current agreement. The TSC can develop the framework and then bring in a consultant to help with the computations. There is existing historical exceedance data from Jeff Mazanec, RA Smith, which could be used in the framework development.

- **Questions to Think About Before Next Meeting**

◇What constitutes an exceedance?

◇Who would the governing authority be?

◇What happens when money is spent to address a known problem but the result doesn't show significant reduction in I/I?

◇Would there be a charge per exceedance or would it make more sense to look at annual exceedances? Peak flow contributions should be addressed since those impact the plant more significantly because the plant is already overwhelmed.

◇Would there be a cap on the number of exceedances?

Nick will share this information with the Executive Committee at their meeting in January 2020. Jordan will prepare a summary and share it with the TSC.

Adjournment

◇A motion to adjourn was made by Nick Leonard and seconded by Jordan Skiff. The motion passed. The meeting adjourned at 2:17 p.m. The next meeting is scheduled for December 17, 2019.