

TECHNICAL STANDARDS COMMITTEE  
Minutes - Monthly Meeting  
WTRRF Conference Room - 700 Doty Street  
Tuesday 1:30 PM, November 21, 2017

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

**Roll Call** – Present were Jordan Skiff, Paul DeVries, Autumn Fisher, Cody Schoepke, and Eric Otte. Nick Leonard was absent and excused.

**Approval of September Minutes**– A motion was made by Autumn Fisher and seconded by Jordan Skiff to approve the September 2017 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 all of the street projects have been completed.
  - ◇A segment of sanitary sewer main in West Johnson St. was excavated and repaired and will be pipe- burst by a contractor in the coming weeks.
  - ◇The force main in East Johnson Street near Kairis Court was cleaned out and found to have significant build-up. A private contractor was used to perform the cleaning. The lift station will be examined at a later date.
  - ◇Grading work has begun in the Fox Ridge Business Park.
  - ◇Eric said that the Rogersville Road sanitary sewer extension is complete, including paving.
  - ◇Some of the sanitary districts will be undertaking pressure grouting projects in 2018.
  - ◇Taycheedah #1 will be cleaning all their wet wells.
- **FP or RSAP Amendments Anticipated, in Progress or Completed**
  - ◇None
- **Metering and Sampling**
  - ◇Paul said the flow meter software is ready to go and staff will begin using it.
  - ◇Eric said the Town of Calumet sanitary district met with Larry from LaClare Farms In October. Charges will be based on flow and waste strength. LaClare Farms has begun making back-payments for the period of time that they have been connected but not metered or sampled. The sanitary district needs to determine who will be conducting the metering and sampling from this point forward.
  - ◇Autumn said that a transducer was ordered for Rolling Meadows drive because previously the signal had been dropping out. When quarterly meter calibrations were performed in October, it was noted that the transducer was functioning properly but there was some corrosion in the junction box. The new transducer will be shelved until necessary to install.
- **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**  
◊Paul suggested meeting with Eric and Nick to review and update the general design specifications. Paul suggested doing this over the winter of 2018.
- **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**

- **Interceptor Maintenance**  
◊Paul informed the members that the City will be televising interceptor sewers over the winter. A question arose as to whether any of the maintenance on the interceptor sewers could/should be shared proportionately with the sanitary sewer districts that flow into them. Paul cited language in the Sewer Service Agreement, sections 1.21 Operations & Maintenance, 6.5.5 Repair of a Shared Sewer, and 7.1.2, Maintenance Projects. Further discussion on this will take place.  
◊Autumn said that WTRRF staff will be coding their labor when working on interceptor sewers. Labor codes will identify which districts have flow entering the shared interceptors. These codes are used by John Mayer (Rate Consultant) to allocate costs that will be charged back to the sanitary districts.  
◊Eric said some of the sanitary districts have agreements with the upstream districts for maintenance on their interceptors and pass along the cost of televising, cleaning, lining and pressure grouting, if it's on a shared sewer.  
◊Paul doesn't know what the cost of televising interceptors would be since it hasn't been done before. Paul thought that maybe this would be implemented in 2019. All of this is in the exploration stage. Eric suggested that if there are enough non-OSG interceptor sewers to televise in 2018, then perhaps the City could compile some cost data that would give the OSG's an idea of what costs to them may be.  
◊Eric wanted to know how much the sanitary districts have been billed for operations and maintenance of the interceptor and collection system sewers already, if any. Eric said that

giving the sanitary districts a very clear picture of what is being proposed, in advance, would be in everyone's best interest. Eric will have discussions with John St. Peter about all of this. ◇Eric also asked if this type of work would be bid. Could a contractor do the work cheaper than the City? Is the OSG getting the most for their dollar?

- **WCTS Operations Update**

- ◇Cody reported that the plant operated without blending, by-passing or causing a permit violation during the last rain event on September 20, 2017.

- ◇The digester covers have been repainted and the digesters themselves will be painted white in the spring of 2018.

- ◇WTRRF personnel took 153 soil samples from fields that plant biosolids are applied to. The samples will be analyzed for radium. This is being done to obtain baseline data. The WDNR does have a radium limit for biosolids. Fields that do not meet the radium limit will be abandoned and additional fields will need to be found to replace those fields that failed. Baseline soil samples for radium will be conducted on all new field approvals.

- ◇Effective November 1, 2017 United Liquid Waste is hauling plant biosolids. WTRRF is now using roll-offs instead of semitrailers. Autumn said there should be cost savings with United Liquid Waste because they were the low bid. However, in 2017 there has been an increase in the volume of biosolids production, due in part to the additional biological phosphorus removal that is being undertaken and not dewatering as well in the past, which is common with Bio-P sludge.

- ◇WTRRF Maintenance personnel erected a shed at the Morris Street leachate site to be used by the waste haulers unloading at that location. There was a \$3,000 cost savings by having WTRRF personnel build the shed versus purchasing a prefabricated shelter.

- ◇Aeration basin #3 underwent several modifications. Diffusers were replaced and mixers were moved to create a larger aerobic zone to promote biological phosphorus removal to occur. Now all three aeration basins are set up the same.

- ◇WTRRF personnel are trying something new operationally. Ferric chloride will be added to the primary clarifiers, ahead of the activated sludge system, to reduce phosphorus levels. The goal of introducing this chemical earlier in the wastewater process is to capture and remove more solids.

- ◇Stack testing was completed by a contractor on the biogas engine in order to comply with the plant air emission permit. No adjustments to the biogas engine were necessary.

- **Deammonification Status**

- ◇Autumn reported that all documents have been submitted to the WDNR. Specifications and drawings were approved by the WDNR. WTRRF has received final pricing from Paques and prices have come in higher than expected, though still within budget. Most of the increase is due to the monetary exchange rate between the dollar and the euro. The project should still be within the \$3.5 million dollar budget. The project will be bid in December 2017 and awarded in January 2018. WTRRF will be receiving a principal forgiveness savings of approximately 15%, or \$500,000 from the Clean Water Fund. WTRRF personnel will be constructing a structure as part of the project. This should result in an additional savings of approximately \$20,000 - \$30,000. The structure will house pumps.

- **Nutrient Harvesting Evaluation Study**

- ◇Autumn said the evaluation of process and technology options is complete. A draft report from Strand Associates and Black & Veach should be ready by the end of November 2017.

The consultants will be making a recommendation about moving forward with the project and which technology would produce the best results for the plant. Autumn will share that information once the report is available.

- **Permit Application Update**

◇Autumn said the permit should now be approved in March 2018, based on conversations with Mark Stanek, WDNR Basin Engineer.

- **Phosphorus Compliance Update**

◇The City of Fond du Lac and City of Oshkosh have submitted their official comments to the WDNR. Autumn will forward a copy of that document to Eric & Nick. Fond du Lac County will participate in the Multi-Discharge Variance program. About 15 wastewater plants in Wisconsin have been approved for MDV, Fond du Lac being the largest plant to date.

- **Late Addition to Agenda**

◇Paul discussed a proposed addition to a building located within the City that is presently being served with City sewer. The proposed addition may be connected to an OSG sewer. Paul wasn't clear on how or if a City property could connect to an OSG pipe? Eric will talk to John St. Peter about this and report back to the TSC members.

### **Adjournment**

◇A motion to adjourn was made by Paul De Vries and seconded by Eric Otte. The motion passed. The meeting adjourned at 2:25 p.m. The next meeting is scheduled for December 19, 2017.

### **Post Adjournment Discussion**

◇Autumn informed Eric that Saputo Cheese will be closing their Fond du Lac Scott Street location as of May 2018. Autumn will continue to discuss the ramifications of this with Eric & Nick. John Mayer, Rate Consultant, is aware of this and will evaluate the impact and report to Autumn.