

TECHNICAL STANDARDS COMMITTEE  
Minutes - Monthly Meeting  
WTRRF Conference Room - 700 Doty Street  
Tuesday 1:30 PM, February 20, 2018

**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, Eric Otte and Nick Leonard. Paul Tollard, Fond du Lac County Conservationist was also in attendance.

**Approval of January Minutes**– A motion was made by Nick Leonard and seconded by Autumn Fisher to approve the January 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 bids will be opened on March 1, 2018 for Fond du Lac Avenue sanitary sewer and street projects bids will be opened March 22, 2018.
  - ◊Paul reported that the lining in East Johnson St. near Kairis Court will be delayed until sometime in March 2018. Visu-Sewer will be doing the work.
  - ◊Paul said that Strand Associates will be addressing the issues at the TCI (Taycheedah Correctional Institute) lift station. There will likely be grouting and sealing on the inside of the station.
  - ◊Cody asked if anyone will be following up as to whether Ledgeview Lanes has a grease trap. Jordan said he would follow-up with the City Plumbing Inspector, Doug Hoerth.
  - ◊Eric reported that Taycheedah SD#1 and Fond du Lac SD#2 will be pressure grouting in 2018.
  - ◊Guelig Trailer Park is a significant source of I & I and is currently in litigation with the Calumet Sanitary District.
  - ◊Eric asked if there was discussion on the proposed connection from Faith Lutheran School to a sanitary sewer located in the sanitary district regarding some sort of reimbursement from the school to the OSG or special assessments based on volume and REU's. Paul mentioned treating it like the direct connection similar to SD#6 and didn't know how the school situation would be treated, or could they be billed directly based on water consumption.
- **FP or RSAP Amendments Anticipated, in Progress or Completed**  
◊None
- **Metering and Sampling**
  - ◊Eric said there is no update on the LaClare Farm metering and sampling issue.
  - ◊Autumn reported that the plant is seeing intermittent issues at Rolling Meadows Drive and Highway 23 (FDL #3). WTRRF had purchased a transducer because the signal was

dropping out. The transducer was installed, tested and worked. WTRRF does have a spare #4210 meter that can be installed and if the spare meter works, then it can be concluded that the old meter was deficient in some way. The sanitary district has not been billed for the transducer and won't be until we can determine exactly where the problem lies. In ordering the transducer it was discovered that the #4210 meters are going to be discontinued in 2020. This model is used in the majority of sites in the OSG and will likely need to be replaced since repair parts will not continue to be stocked by the manufacturer.

◇Autumn said that since the new construction there has been a lot of water that comes back into the manhole where flow monitoring occur (Empire #3) apparently from the parking lot drainage of the adjacent church. There is water coming down the conduit and down the transducer, creating moisture on the transducer. Eric said he would contact Norb Kolell

◇Nick asked if WTRRF staff has noticed any more sludge build-up at the North Fond du Lac station since the sludge was last jetted out. Autumn will follow-up with Jim Kaiser and respond to Nick.

- **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 reported the plant has had low flows this winter and good results with Bio-P. Last month total effluent phosphorus was .4  
◇Vivianite build-up in the heat exchangers continues to be a problem. Hydrochloric acid had previously been used to remove the Vivianite. In February an experiment was

conducted using a jetter to remove the Vivianite from the heat exchangers. That worked well. The centrate lines were also checked and appeared clean.

◇WTRRF is replacing some of their pumps with Boerger Rotary Lobe pumps. These are high efficiency, low maintenance pumps. WTRRF is moving away from pumps with mechanical seals.

◇WTRRF was awarded a LIFT Scholarship and will be using it to see firsthand new wastewater processes and technologies in the Netherlands.

◇In preparation for the April 1, 2018 effective date of the new permit, WTRRF will start making adjustments in March to chemical phosphorus removal efforts to find the target of .3 to .4 milligrams per liter that is found with Bio-P.

- **Deammonification Status**

◇Autumn reported that Miron Construction was officially awarded the contract. The Clean Water Fund Loan should be closed in the next several weeks.

◇Autumn said that John St. Peter had questions as to the payment method of the loans from the OSG. A meeting has been scheduled for February 26, 2018 to discuss this.

- **Nutrient Harvesting Evaluation Study**

◇The study has been submitted to the WDNR. The project has been approved by the WDNR for design in 2018 and construction in 2019. WTRRF has decided to table this for now and instead will look at it as part of the Facility Master Plan.

- **Permit Application Update**

◇The permit is out for public comment until March 1, 2018. City comments were sent to Dick Sachs today. Autumn will forward the City comments to the OSG members.

- **Phosphorus Compliance Update**

◇Autumn and Cody told Paul Tollard that WTRRF would help in any way they could. She suggested the use of the WTRRF lab intern, or assisting with sampling and analysis.

- **Facility Master Plan Update**

◇Donohue and Associates has been selected to be the lead on the Facility Master Plan project. In addition to Donohue, other firms may be brought in to assist with biosolids handling, flow processes, and permitting and compliance. Autumn will actively communicate with the OSG during this project.

- **Approach to Revise Wastewater Agreement**

◇Jordan has been identifying sections of the agreement that need revision.

◇Nick brought this item up at the OSG Executive Committee meeting last month. John St. Peter and the Executive Board requested that Eric & Nick bring them the City's proposals so that they can review and discuss those with the board members, and Nick and Eric, before they are brought back to the TSC for discussion. The City should prepare their list and forward to Nick or Eric and that would be forwarded to the OSG Executive Committee. The OSG Executive Board would like to be involved in this process. Nick and Paul acknowledge that the lists may not be complete at this time, but both sides will submit what they have to date. Both the City and OSG TSC members agreed to this.

- **City and OSG Mapping**

◇Nick submitted the mapping changes to Paul. Nick said some are still missing. Paul will ask Gene to start working on the maps.

◇Autumn asked for a copy when the updates are complete as the updated maps will be needed for use as part of the Facility Master Plan.

- **Paul Tollard Presentation & TSC Comments**

◇Paul spoke about the watershed initiatives in Fond du Lac County, specifically the Pipe Creek Watershed, approximately 5,500 acres located in northern Fond du Lac County. Some of the goals are to reduce run-off, infiltration and improve water quality. Paul works with agricultural land owners to create and implement nutrient management programs along with informing them about water and sediment control issues. Paul noted that all of these practices are voluntary and maintaining a good relationship with the farmers is key to their involvement and continued interest in the program.

◇Watershed Plans consist of 9-Key Elements:

1. Identify the causes and sources.
2. Estimate pollutant loading into the watershed and the expected load reductions
3. Describe management measures that will achieve load reductions and targeted critical areas.
4. Estimate the amounts of technical and financial assistance and the relevant authorities needed to implement the plan
5. Develop an information/education component
6. Develop a project schedule
7. Develop the interim, measurable milestones
8. Identify indicators to measure progress and make adjustments
9. Develop a monitoring component

◇Paul also noted that funds from the MDV can only be used for the implementation of the state water and soil performance minimum standards. Paul said the majority of farmers are already meeting these minimum standards. If there can be additional watershed planning, to include the 9-Key Element Plans, then it would allow more flexibility to use the MDV money for water quality improvements. Initiating a 9 Key Element Plan also provides for eligibility for Federal funding. Having a 9-Key Element Plan is not a prerequisite to receiving the MDV funds.

◇Autumn noted that the MDV funds cannot be used outside of the HUC 8 area (Hydrologic Unit Code). The Watershed Boundary Dataset (WBD) maps the full extent of surface water drainage for the U.S. using a hierarchical system of nesting hydrologic units at various scales, each with an assigned hydrologic unit code.

◇Paul said the HUC 8 area covers the entire east shore, the Fond du Lac River and the west shore, which is a large portion of Fond du Lac County. Paul will need to develop a watershed plan, explain how the monies will be used in the watershed, which also has to be the highest loading watershed in the county, which is Pipe, in Fond du Lac County.

◇Autumn noted that there are no phosphorus reduction requirements that need to be met in receiving monies for the MDV.

◇Autumn said the MDV is not a permanent solution, but rather a temporary one. The MDV is written into the WTRRF permit for five years and then in 2023 WTRRF would need to reapply for the MDV.

◇Autumn explained that the timeline was unique and that our permit expired ahead of having the TMDL or Wasteload Allocation. Ideally it would have been realistic to choose a water quality compliance option, like Adaptive Management or Water Quality Trading. But at this time the MDV makes the most sense since we don't know what the target number.

◇At the end of this permit cycle, the MDV will be evaluated to see if it still makes sense or should we invest the money in other options where we would get a benefit.

◇Paul DeVries and Nick think it needs to be thoroughly explained to the OSG why we spent money on the MDV for five years when we get no permit benefit from it instead of spending it on something that would benefit our permit.

◇Nick suggested that City and WTRRF representatives continue to attend the annual September OSG meeting. Autumn and Jordan agreed to a minimum of an annual meeting held at the plant.

◇Paul DeVries asked if there were any groups that the City and the OSG could partner with to pro-actively communicate these important messages to educate the OSG members without finger-pointing and in a constructive manner.

◇Jordan noted that the TMDL will identify the amount of phosphorus loadings that are coming from agriculture.

### **Adjournment**

◇A motion to adjourn was made by Autumn Fisher and seconded by Paul DeVries. The motion passed. The meeting adjourned at 3:50 p.m. The next meeting is scheduled for March 20, 2018.