

TECHNICAL STANDARDS COMMITTEE
Minutes - Monthly Meeting
WTRRF Conference Room - 700 Doty Street
Tuesday 1:30 PM, September 19, 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 Nick Leonard. Eric Otte was absent and excused.

Approval of August Minutes– A motion was made by Autumn Fisher and seconded by Jordan Skiff to approve the August 2017 meeting minutes. The motion carried.

Communication Session

Reports on:

- **Correspondence Relating to the Regional Wastewater System**
 - ◇The quarterly OSG meter calibration results from B & M Technical Services were distributed.
- **Records Exchange – Update of Contact List**
 - ◇None
- **Sewer or System Improvements Anticipated, in Progress or Completed (Extensions or Rehabilitations)**
 - ◇Paul reported that work is continuing on the 36” interceptor sewer in Military Rd.
 - ◇Fox Ridge Business Park - Phase II work will begin with sanitary sewer extension to new streets in the business park.
 - ◇Televising in East Johnson Street at Kairis Ct. has been completed. There is reduced flow from FOG in this section of sanitary main. Paul would like to see this section relined as soon as possible.
 - ◇Nick said there is a short relay of a sanitary sewer main in one block of Indiana Avenue. Immel Construction is performing the work.
- **FP or RSAP Amendments Anticipated, in Progress or Completed**
 - ◇None
- **Metering and Sampling**
 - ◇Autumn reported that she met with Eric Otte last week. He presented two weeks of sampling results from LaClare Farms. Autumn provided Eric with a recommendation to sample monthly for five days, for one year, then quarterly to coincide with the OSG quarterly sampling. Autumn also provided Eric with a quote to have WTRRF personnel perform the sampling and analysis, per Eric’s request. Eric will present this information to the Town of Calumet.
 - ◇Paul reported that he hasn’t gotten anywhere on a solution to the flow meter software data not being retrievable. He did say that the City’s IT department said it is functional as is, with the present security settings.
- **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**

Additional Items

- **WCTS Operations Update**
◊Cody reported that the digester that was cleaned last month is back on-line and running very well.
◊Modifications are being made to aeration basin #3 to mirror the changes made to aeration basins #1 and #2. Maintenance personnel will be replacing the rubber membranes on the diffusers next month.
◊Operations personnel are repainting the digester covers. When that job is complete they will repaint the side walls of the digesters.
◊Autumn reported that there has been a complaint made from neighbors on Seven Hills Road, primarily about the odor from one of the fields where plant biosolids have been applied. The residents have requested a formal meeting to discuss their concerns with WTRRF personnel and that will take place on September 25, 2017 at the plant. Mark Stanek, WDNR Basin Engineer will be in attendance.
- **Deammonification Status**
◊Autumn said WTRRF is in the home stretch with the design phase. Those documents should be submitted to the WDNR at the end of this month or the beginning of next month. After review and approval by the WDNR, which typically takes one to two month, bids will be let. Construction is scheduled to begin in March 2018.
◊Autumn said that while reviewing the design and configuration, she noticed that the cost of one of the buildings was high. The building, 10 x 10, would house pumps to remove solids from the tilted plate settler. After discussions with Strand and WTRRF maintenance personnel, it was decided that WTRRF maintenance personnel could construct that building at one-quarter of the proposed construction cost.
- **Nutrient Harvesting Evaluation Study**
◊Models are being developed for the different technologies. Meetings with several technology leaders will take place over the next several weeks. There are two different approaches with nutrient harvesting; harvest off the sludge or harvest from the centrate. The

meeting will focus on which approach will give WTRRF the most benefit, the most impact on the nuisance struvite formation and the greatest potential for harvesting more struvite. ◇Autumn will be attending the Water Environment Federation's Annual Technical Exhibition and Conference (WEFTEC) in Chicago next month, where she will be meeting with the project manager for the nutrient harvesting study and also see some of the different technologies that are presented at WEFTEC.

- **Permit Application Update**

◇Autumn reported that the application process for the permit is moving along rather quickly. The MDV has been conditionally approved. The new target permit reissuance date is now back on target for the beginning of 2018.

◇Some of the preliminary proposed permit numbers are similar to what the current permit limits are. The MDV spells out the interim permit limits of .8 for five years, then a .6 and a .5. Our likely permit limit should stay at 1 milligram per liter for phosphorus. Everything that is discharged above .2 is subject to the \$50 per pound Fond du Lac County payment option. The goal will be to remain close to .2 and reduce the payment to Fond du Lac County, while not violating the permit.

◇Fond du Lac County has decided to participate in the MDV program. There has been no word on Winnebago or Calumet counties participating. Fond du Lac County will receive the majority of the payments. The first payment will be due in 2019.

- **Phosphorus Compliance Update**

◇Autumn met with representatives from Applied Ecological Services, (AES) in September to discuss the TMDL, adaptive management and water quality trading. AES confirmed WTRFF thoughts that the best approach to take in reaching compliance will likely be a combination of tertiary treatment and adaptive management or water quality trading methods.

◇WTRRF and the City of Oshkosh plan on submitting another letter to the WDNR to document their continued questions and concerns throughout the TMDL process, with the hope that the questions will finally be addressed or start a conversation within the TMDL team.

◇The City of Fond du Lac and the City of Oshkosh will be paying to have Lake Winnebago core samples analyzed to find out what the core concentrations were before, during and after the dams were constructed and lake level management was introduced.

◇The City Council will meet on September 20, 2017 to review the 2018 budget. Autumn does not anticipate a lot of questions regarding the WTRRF budget since WTRRF staff conducted a tour for and made a presentation to the City Council earlier this summer and explained the WTRFF CIP.

◇Jordan suggested that when the waste load allocations have been determined that the TSC meet with WTRRF personnel and the City Council to discuss how to move forward.

Adjournment

◇A motion to adjourn was made by Paul De Vries and seconded by Jordan Skiff. The motion passed. The meeting adjourned at 2:11 p.m. The next meeting is scheduled for October 17, 2017.