

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

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

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

Approval of February Minutes– A motion was made by Nick Leonard and seconded by Cody Schoepke to approve the February 2019 meeting minutes. The motion carried.

Communication Session

Reports on:

- **Correspondence Relating to the Regional Wastewater System**
 - ◇Mary Hill Park has not returned the Facility Master Plan Survey.
 - ◇Paul received a communication from ECWRPC that the draft of the Sewer Service Area was approved.
- **Records Exchange – Update of Contact List**
 - ◇None
- **Sewer or System Improvements Anticipated, in Progress or Completed (Extensions or Rehabilitations)**
 - ◇Eric reported that Taycheedah SD#3 will have a small sanitary sewer extension for Hawks Landing subdivision.
 - ◇Nick reported on the Westwood subdivision, Blackbird addition on Prairie Fox Street.
- **FP or RSAP Amendments Anticipated, in Progress or Completed**
 - ◇None
- **Metering and Sampling**
 - ◇Nick said a commercial electrician has been hired to install a new light switch in the North Fond du Lac Station.
 - ◇Cody reported that he’s gathering costs for a new flow meter from at least two vendors. The meter will be installed in Johnsburg. Cody will forward those costs to Johnsburg for review and then Cody will make a recommendation on the type of meter to be installed.
- **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**
 - ◇An electronic copy of the TGM has not been located yet. Paul said that there is a way to scan the hard copy and convert it to a Word document, which then could be updated without retyping the entire document.
 - ◇Eric distributed copies of a section of the Sewer Service Agreement and suggested having part of the language changed in 13.2.6 (Reviewing Party’s Obligation) and 13.2.7

(Submission to WDNR) to reflect that the City does not submit projects to the WDNR for review on behalf of the applicant.

- **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 Items**
◊None

Additional Items

- **WTRRF Operations Update**
◊Ben distributed an influent flow chart that covered the period before, during, and after the flooding event last week. He said blending occurred at the plant from approximately 5:30 p.m. on March 14, 2018 until 8:00 a.m. on March 15, 2019. Three million gallons of water was blended. WTRRF personnel monitored and checked storm and sanitary stations during the event. By-pass pumping of storm stations occurred by setting pumps into the wet well. One storm station did flood. Nick said the North Fond du Lac tank wasn't used. City flows peaked at approximately 60 million gallons.
◊WTRRF personnel spent approximately 50 hours cleaning and inspecting heat exchangers and piping last week. Struvite was blocking the pipe flow and since the cleaning, flows have been improved. Ben distributed before and after photos of a pipe filled with Struvite to illustrate how greatly the diameter of the pipe is reduced by the build-up of Struvite.
◊Bytec Resource Management will be here next week to clean Digester #3. Last year the cleaning was performed in the fall. The sludge transfer lines will also be cleaned.
◊Cody reported that Bio-P is doing well, with a February effluent phosphorus concentration of .21. From February 22 to just after the flood, ferric chloride was added at the rate of 10 gallons per hour, which produced an average phosphorus concentration of .13 to .14. Flows were lower than average, which shows we can get into the lower range during low flow months but not likely during average flow months.
- **Deammonification Status**
◊The bacteria have fully recovered and there was no need to purchase additional bacteria to add to the reactor. There has been 80%-90% ammonia removal.
◊There is a meeting on March 20, 2019 with Strand Associates & Miron Construction to go over a final checklist of the project.

- **Struvite Sequestration Status**

- ◇Strand Associates and Black & Veach will be at the plant on March 21, 2019 to discuss the project and review the three sludge based systems that are being considered: AirPrex, NuReSys and EloPhos, as well as discussing moving from a thermophilic digestion process to a mesophilic digestion process. Final proposals on all options will be presented and will direct the path that WTRRF will likely take. Cody will have more information next month.

- **Government Affairs Seminar Update**

- ◇A summary of the 2018 MDV was given. A total of \$900,000 dollars was distributed among 54 communities, with \$650,000 going to counties, of which Fond du Lac County received \$216,000. \$250,000 went to plants that have chosen to do something on their own.

- ◇Polyfluoroalkyl Substances (P-Phos) are toxic chemicals that have already been found in drinking water and at some point will be tested for in wastewater discharge.

- ◇The development of Nitrogen limits could take place over the next 5-10 years. Nitrogen is 40% of WTRRF's plant loadings, and because of the Side Stream Deammonification project, Cody feels that the plant will be in a good position if and when these limits are put into effect. Currently there are 12 locations in the state that have P-Phos in their discharge.

- ◇There was discussion about a water quality trading bank. Stafford Rosenbaum and the WDNR are working to have a third-party be involved in water quality trading, whereby the third-party would take care of getting all the trades and then the trades would be purchased from them.

Adjournment

- ◇A motion to adjourn was made by Eric Otte and seconded by Nick Leonard. The motion passed. The meeting adjourned at 2:13 p.m. The next meeting is scheduled for April 16, 2019.