

TECHNICAL STANDARDS COMMITTEE
Minutes - Monthly Meeting
WTRRF Conference Room - 700 Doty Street
Tuesday 1:30 PM, February 23, 2021

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

Roll Call –Paul DeVries, Cody Schoepke, Ben Propson, Nick Leonard, Mitch Vis and Eric Otte.

Approval of January Minutes– A motion was made by Nick Leonard and seconded by Eric Otte to approve the January 2021 meeting minutes. The motion carried.

Communication Session

Reports on:

- **Correspondence Relating to the Regional Wastewater System
LaClare Family Creamery**
◇Eric reported that the sanitary district has presented average daily flow limits and peak daily flow limits to LaClare and their attorney, and those numbers continue to be disputed by them. The Calumet sanitary district has no plans to change the numbers submitted to LaClare.
- **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)**
◇Eric said Taycheedah #1 sanitary district is waiting for quotations on a generator replacement for the Gladstone Beach lift station.
◇Eric reported that five or six sanitary districts will be performing main line televising in the spring of 2021.
◇Paul reported that bids will be opened on February 25 for the annual street projects.
- **FP or RSAP Amendments Anticipated, in Progress or Completed**
◇None
- **Metering and Sampling**
◇Last month Cody reported that there was a problem with the flow data provided by Synergy to Johnsburg. Since then it was discovered that the VEGA radar sensor was actually programmed incorrectly, not that the flow data provided was the cause of the problem. The problem was corrected and the data for the last two months has been accurate. Cody will be meeting with the Johnsburg sanitary district and with Hal from Synergy and will have an update for the TSC at the March 16 meeting.
- **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

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 plant flows have been very low this winter, ranging from 2mgd on the low end to 5mgd on the high end. Nick asked if there had been any analysis performed to see if the low flows were also seen in the sanitary districts. Ben said he hadn't looked into as yet but could.
◊The vacant Operator position has been filled and the new Operator has proven to be a good addition to the team.
◊Programming has been installed to allow use of the primary sludge pumps to pump directly to the digesters. This could provide for more storage and equalization of centrate to help improve anammox operation.
◊Maintenance personnel rebuilt the weirs in the effluent UV channel.
◊Clearwater inspection of commercial properties began on February 23. The Water Utility contracted with Hydro Corp to perform commercial cross connections. WTRRF is piggy backing on that contract. WTRRF has a staff member that will be working with Hydro Corp to perform the clearwater inspections. .
◊Cody reported that two more candidates for the vacant Instrumentation Technician (Electrician) position will be interviewed this week. The position has been vacant since last fall. The City has allowed us to utilize one of their electricians since then.
◊Cody reported that for 2021 WTRRF will be using different tankage at the plant in order to improve the Bio-P process. A control scheme will be developed to determine how much carbon source to feed.
◊Cody also said the design for excess flow clarifier rehabilitation will occur in 2021 with construction to commence in 2022.
◊Effluent TSS, especially the particulate fraction of phosphorus, increases during high flow events, and stresses the clarifiers, forcing additional TSS out of them. In order to reduce the effluent TSS and therefore, the particulate fraction of phosphorus, WTRRF

may be retrofitting one of the clarifiers with additional baffling. If improvement is seen in the retrofitted clarifier then that change may be made to the remaining clarifiers.
◇All of the clarifiers will be taken down this summer for cleaning and inspection.
◇Cody will be meeting with Fond du Lac County Airport personnel and the consultant that WTRRF is using, the second week of March to further discuss water quality trading. Cody will try to get some feedback from them as to their interest in working with the City.

Clearwater Reduction Fund - Continued Discussion from January Meeting

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

- **2000 Wastewater Agreement**

◇Nick asked if R.A. Smith also looked at the City's exceedances as part of the scope of their work. Cody said while R.A. Smith has not looked at it as part of the current review, it will be looked at, and updated quarterly. What R.A. Smith is doing today is to walk us through the process and the calculations that go into it.

Proposed Timeline Discussion

◇Paul said the City will begin revisions to the 2000 Sewer Agreement and then send it to the OSG for comments.

◇The Technical Guidance Manual and forms will be updated at the end of the timeline.

◇Eric said there is an electronic version of the TGM that he previously gave to the City.

- **R.A. Smith Update**

◇Jeff Mazanec and Riley Stone presented an update on how the exceedances are calculated.

◇Riley shared the exceedance document that took the connection point design flow listed in Exhibit 1 of the 2000 Sewer Agreement and incorporated those into the exceedance calculation to determine the total exceedances per district, which was originally presented incorrectly to the TSC in the fall of 2019.

◇Riley confirmed the allocation changes made in 2012 were based off the 9.84 plant design flow.

◇Riley will email the spreadsheet with a summary to the TSC members for review. After the review Riley will look at the physical capacities by looking at the GIS systems and sanitary systems. He will keep the usage total so that there's a reference for the districts to see what their capacity and usage is now. The usage comes from the annual True Up.

◇Jeff will add a new column to the Exceedance document for 2050 design numbers.

◇There were multiple questions about what Exhibit 1 spreadsheet for numbers are built into the calculations and Jeff said you can look at the formulas in the spreadsheets to see where the numbers are coming from.

◇Cody asked Jeff if there is any other information he needs from the TSC in order for him to complete the scope of work. Eric still needs to get him updated numbers from the sanitary districts.

◇Jeff said his goal is to have the updates to the spreadsheets complete by the March 16 TSC meeting.

Adjournment

◇A motion to adjourn was made by Eric Otte and seconded by Cody Schoepke. The motion passed. The meeting adjourned at 3:18 p.m.

The next meeting is scheduled for **March 16, 2021**.