

TECHNICAL STANDARDS COMMITTEE
Minutes - Monthly Meeting
WTRRF Conference Room - 700 Doty Street
Tuesday 1:30 PM, January 26, 2021

Call to Order – The meeting was called to order at 1:31 p.m.

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

Approval of December Minutes– A motion was made by Nick Leonard and seconded by Cody Schoepke to approve the December 2020 meeting minutes. The motion carried.

Communication Session

Reports on:

- **Correspondence Relating to the Regional Wastewater System LaClare Family Creamery**
 - ◇Eric reported that the parties are presently working on defining what the discharge limit will be. Originally LaClare anticipated discharging 800 gpd. When applying for their permit with the City, they anticipated discharging 6,000-8,000 gpd. Over the summer of 2020 they were discharging 18,000-24,000 gpd. The new agreement will state what their average daily flow will be and will include a per ccf charge for exceeding the average daily flow.
 - ◇Cody said the level sensor failed on the laser meter. The meter was repaired and reinstalled in January at no charge to LaClare.
- **Correspondence Relating to the Regional Wastewater System**
 - ◇None
- **Records Exchange – Update of Contact List**
 - ◇Nick reported that the Director of Public Works for the Village of North Fond du Lac (Darrin Parsons) is retiring. Nick will be the interim emergency contact.
- **Sewer or System Improvements Anticipated, in Progress or Completed (Extensions or Rehabilitations)**
 - ◇Eric said the pump replacement at Gladstone Beach will take place this year. The existing generator will be undersized for the proposed increase in horsepower so either a new generator or new VFD's and a new panel will need to be installed.
 - ◇Nick said Great Lakes made manhole repairs and lateral repairs in North Fond du Lac.
 - ◇Eric reported that Northern Pipe will be doing some leak repair work in FDL SD#2. FDL SD#3 will be doing a manhole rehab project later this year.
 - ◇Paul reported that bids will be opened sometime in February for the annual street projects. The street projects with sanitary sewer replacement are: Doty St. from Follett St. to Scott St., W. Cotton St. from Military Rd. to Macy St., Star St. from 6th St. to 8th St. and Carpenter St. from Greenwood Ave. to Main St. A pipe lining project will also take place.
- **FP or RSAP Amendments Anticipated, in Progress or Completed**
 - ◇None

- **Metering and Sampling**
 ◇Cody reported that WTRRF will continue to get flow data from Johnsburg. The trial flow data provided to Synergy by Johnsburg, prior to mid-December 2020, was incorrect. It has since been corrected.
- **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

Special January Item – Discuss Prior Activity

◇Paul reported that the City continued with the voluntary I/I program and expects to double the number of participants in 2021.

◇The City and TSC members continued to work on updates to the Sewer Agreement

◇Paul commented on the number of metering issues that were encountered in 2020.

Cody said that the age of the meter will have an impact on adjustments but WTRRF staff will continue with the quarterly meter calibrations and make adjustments as necessary.

Hopefully a method will be figured out where this can be done without the current flow impacting the adjustment. Eric commented that the cost of a new laser flow meter will be cost prohibitive for smaller sanitary districts.

Additional Items

- **WTRRF Operations Update**
 ◇Ben reported that the Xylem pilot for AVN control, which is a system for advanced nitrogen removal, has begun in one of the aeration basins. Testing, monitoring and probe checking is being performed by WTRRF personnel.
 ◇The vacant Operator position has been filled. The new Operator will start on February 1, 2021.
 ◇The backup generator removed in 2020 for repairs, is now back in service.

◇A new wasting pump was installed. The pump had been purchased several years ago but was not in use. The new pump increases wasting capabilities. The pump was installed by WTRRF personnel.

◇Biorem, the hydrogen sulfide removal system, may need to be cleaned out sometime this year. Operations personnel noticed that there has been a reduction in system performance.

◇Ben participated in a collection system webinar hosted by CSWEA which highlighted a new program for identifying I/I. This program targets a basin, then uses multiple level sensors throughout the basin to collect data and detect I/I during rain events. This program can identify more accurately where the I/I is coming from. The program used 36 sensors, performed sewer testing and manhole inspections, and costs approximately \$25,000. Ben will forward the program information to any interested TSC member.

◇Cody reported that a high level evaluation was performed by Jacobs Engineering on the 250 acres of land adjacent to the Fond du Lac County Airport. Jacobs, formerly CH2M, performed this evaluation as it related to water quality trading with funding that remained from the initial Facility Master Plan contract. A walk-through of the airport property was performed in November 2020. Jacobs looked at edge-of-field improvements, buffer strips, and installing grass waterways. Their evaluation showed approximately 344 pounds of mass reduction for that acreage, while allowing the majority of the land to be farmed. In comparison, the last two years that WTRRF was in the MDV 1,000 -1,500 pounds of mass reduction would have been needed in order to meet our limit. Another evaluation, to restore the entire property to natural vegetation, projected approximately 900 pounds in mass reduction. Cody has had conversations with the airport committee and will meet with them again in March 2021. Presently the Fond du lac County Airport is in three-year land leases with famers.

Clearwater Reduction Fund - Continued Discussion from December 2019 Meeting

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

- **2000 Wastewater Agreement**

Proposed Timeline Discussion

◇Nick reported that he met with John St. Peter and that John was okay with the timeline, noting that it was an aggressive timeline.

◇Eric said he will check with John St. Peter's office to see if they have an electronic copy of the Sewer Agreement so that we can start with the updates.

◇Paul said that a pdf file of the Sewer Agreement could be converted to a Word document.

Allocation Discussion

◇Paul reported that Jeff Mazanec is working to complete the scope of work assigned to R.A.Smith.

I/I Calculations Discussion

◇Everyone agreed that 9.84 mgd is the plant design flow that will be used for the I/I calculations in the updated Sewer Agreement.

◇Eric said there are four sanitary lift stations in Fond du Lac SD#4 that could be metered but would only cover a portion of the district..

◇Eric reported that Taycheedah SD#1 recently redrafted agreements with sanitary districts that are upstream from them. They have five different connection points with upstream districts. They would like to allocate the cost of the flow meters to the upstream sanitary districts. Those meters are only necessary to get accurate data from those intermediate locations and calculate flows from those districts. Eric said that in order to define more clearly which meters Section IX – Metering and Sampling refer to, that the language be changed to something similar to “All meters required by WTRRF for billing purposes must be connected to and reported to WTRRF by standardized telemetry equipment”.

Mary Hill Park Discussion

◇Eric reported that the sanitary district has decided to reroute the sanitary sewer to Hillside Circle. Eric will calculate the allocation changes for the interceptor sewers.

◇The sanitary district would also like a written statement from the City stating that there would be no money changing hands when the City takes ownership of the lateral. Paul will take care of issuing the letter.

- **OSG Data from Sanitary Districts (Town of Fond du Lac, Town of Fond du Lac #4, Town of Fond du Lac #6)**

◇Cody explained that the quarterly data from these townships typically arrives after the 15th month. This results in a delay in getting the invoices issued on a timely basis, especially for the 4th quarter of the year.

◇Mary will email Eric the name and the email address of the billing clerk for the sanitary districts listed above. Eric will try to find out what may be causing the delay.

- **OSG Mapping**

◇Paul said the map has been updated with information provided by the sanitary districts. Paul said this could be made available to other members for additional updating. Paul said attributes that were provided by the districts are listed on the map. Any necessary changes should be reported to the City.

Adjournment

◇A motion to adjourn was made by Nick Leonard and seconded by Eric Otte. The motion passed. The meeting adjourned at 2:36 p.m.

The next meeting is scheduled for **February 23, 2021**.