

TECHNICAL STANDARDS COMMITTEE
Minutes - Monthly Meeting
WTRRF Conference Room - 700 Doty Street
Tuesday 1:30 PM, February 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 January Minutes– A motion was made by Cody Schoepke and seconded by Eric Otte to approve the January 2019 meeting minutes. The motion carried.

Communication Session

Reports on:

- **Correspondence Relating to the Regional Wastewater System**
 - ◇Cody has received completed Facility Master Plan Surveys from ten of the sanitary districts. Surveys still needed are Johnsborg, Empire #2 and Empire #3. Eric will notify Mary Jo from John St. Peter’s office to follow up with those districts.
 - ◇Some townships received surveys to complete but Eric said that townships may own capacity but not own infrastructure and would not have to complete the Facility Master Plan Survey.
 - ◇Paul said there has been no communication on the Sewer Service Area from Todd Verboomen, Associate Planner with ECWRPC. Paul will follow-up with him.
- **Records Exchange – Update of Contact List**
 - ◇None
- **Sewer or System Improvements Anticipated, in Progress or Completed (Extensions or Rehabilitations)**
 - ◇Paul reported that bids were opened for the 2019 street projects. There were four bidders. The contract will be awarded to Don E Parker Excavating. Nick asked if Paul would forward the bid tabs to Mitch, as a private developer will be doing some work for the village and may find them useful.
 - ◇Eric said the Calumet sanitary lift station will have the inside piping increased from four to six inches and also increase the size of the force main from four to six inches.
 - ◇Eric said the Calumet Sanitary District has installed a plug on the sanitary line that serves the trailer park on Guelig Road for failure to make necessary system repairs.
- **FP or RSAP Amendments Anticipated, in Progress or Completed**
 - ◇None
- **Metering and Sampling**
 - ◇Cody has been contacted by a hauler about bringing waste from LaClare Farms to the plant.
 - ◇Cody distributed flow data from Johnsborg to all the members that were present. The data compares the flow meter readings to the laser flow meter readings. The flow meter is consistently drifting, not always reading the low flows. Cody will provide flow data for a three month period. Cody said the 4210 meter that is in this station is obsolete and parts are not available, and replacing the meter is the way to go instead of doing anything to the

flume. Cody will provide the cost to replace the flow meter. Eric said he'd send all of the Johnsburg flow information to Brenda Schneider and Franz Schmitz.

◇Cody said he will ask Strand Associates to look at the Empire #3 metering station and prepare an estimate for that sanitary district to give them an idea of what it will cost to address the issues at that metering station.

◇Cody reported that the heater in the panel faulted out in Deadwood Point. WTRRF purchased and installed a new heater. Taycheedah sanitary district will be charged for the heater and labor to install it.

◇Cody informed Nick that the light switch in the North Fond du Lac station is corroded and needs to be replaced. Nick said he'd take care of that.

◇Paul said he will continue working on the specifications and send them out for review when completed.

- **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**

◇Mary will request a copy of the Technical Guidance Manual from Mary Jo at John St. Peter's office

- **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 reported that there were adjustments made to the new polymer feed skid. It had been clogging but is running fine now.

◇WTRRF personnel are cleaning the heat exchangers and finding build-up of both Struvite and Vivianite. They were last cleaned approximately seven months ago.

◇The plant is experiencing an upset in Digester #1 and personnel are working on a solution.

◇Cody said both the annual land application, air emissions, and chemical inventory reports are complete and have been submitted.

- **Deammonification Status**

◇There was air in the line of a chemical feed pump, so the pump was turned up to get the air out and was inadvertently left on at a high rate of speed, which had a significant negative affect on the biomass. There are signs that the bacteria are still doing their job, but very minimally. WTRRF personnel will continue to monitor for a week or two before a decision is made on whether to order more biomass. Performance testing will be delayed. Prior to this, the project was ahead of schedule and in below budget. Cody and Ben have been conferring and trouble- shooting with Paques and Ovivo representatives.

◇Nick asked if there is some sort of safeguard that could be put in place to prevent this from reoccurring and Cody said an in-line measurement of chlorine content could be installed and/or also find a way to prevent air from getting into that line

- **Phosphorus Compliance Update**

◇MDV payments will be made this week. The 2018 total, for nine months, will be \$216,552.89. Payments will be made to Fond du Lac County in the amount of \$115,544.65 (53.4%), Winnebago County in the amount of \$53,856.73 (24.9%) and Calumet County in the amount of \$47,121.50 (21.8%). December was a wet month and Cody said that high flows had a negative impact, even though the 2018 plant average for phosphorus was .38 and was the lowest annual average ever recorded in plant history. Had the plant been billed for a 12 month period the cost of the MDV payment would have been around \$250,000.

- **Facility Master Plan Update**

◇The survey information will be used to update the plant model. A meeting will be held in March with Donohue & Associates. Some topics for discussion will be: assessment of plant operations, Bio-P, watershed approach, and tertiary treatment,

- **Struvite Sequestration Status**

◇Three sludge based systems are being considered: AirPrex, NuReSys and EloPhos. AirPrex was piloted at the plant already. EloPhos is a system that Ben and Cody saw in Germany last fall and is similar to the AirPrex system. These systems will deal with the Struvite in the sludge portion of the treatment process instead of dealing with it in the centrate.

Adjournment

◇A motion to adjourn was made by Nick Leonard and seconded by Cody Schoepke. The motion passed. The meeting adjourned at 2:15 p.m. The next meeting is scheduled for March 19, 2019.