

TECHNICAL STANDARDS COMMITTEE
MINUTES
MONTHLY MEETING
WCTS Conference Room
700 Doty Street
Tuesday 1:30 PM, August 15, 2017

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

Roll Call – Present were Jordan Skiff, Autumn Fisher, Eric Otte, and Nick Leonard. Paul DeVries was absent and excused.

Approval of July Minutes– A motion was made by Nick Leonard and seconded by Autumn Fisher to approve the July 2017 meeting minutes. The motion carried.

Communication Session

Reports on:

- **Correspondence Relating to the Regional Wastewater System**
 - ◇Eric will provide a list of the sanitary districts he represents at the September TSC meeting. This is in response to a question that Autumn had at the July meeting.
 - ◇Autumn asked that the WRRF get a key for the new lock at the Rogersville Road station. Eric said he would take care of getting one.
- **Records Exchange – Update of Contact List**
 - ◇None
- **Sewer or System Improvements Anticipated, in Progress or Completed (Extensions or Rehabilitations)**
 - ◇Paul submitted an update for distribution at today's meeting that said the contractor is working on the 36" sewer interceptor in Military Road, as part of the street utility project.
 - ◇Eric reported that bids were opened for the sanitary sewer extension in Rogersville Road. Jossart Brothers Construction was low and was awarded the bid. They will begin work on October 1, 2017.
 - ◇Eric said the Town of Fond du Lac received one quote from a contractor for pressure grouting in the Town of Fond du Lac.
 - ◇Nick said that he did try to get a look at the pipe under the bridge just south of the North Fond du Lac metering station but will need to get into the water in order to get a better look at what's there. He'll try to do that and report back at the September meeting.
- **FP or RSAP Amendments Anticipated, in Progress or Completed**
 - ◇None
- **Metering and Sampling**
 - ◇Autumn said that data is being collected from the new flow meters but the data is not presently retrievable. There is a problem with website access. That issue is being worked on and when completed the login information will be forwarded to Nick and Eric.
 - ◇The quarterly sampling has been completed and quarterly meter calibrations will be performed in September.
 - ◇Nick reported that Great Lakes will be cleaning the North Fond du Lac tank. Nick suspects that the sludge build-up in the overflow tank is getting washed into the drain line. Autumn

said that when WRRF personnel perform the meter calibrations, she will have them look to see if there is build-up accumulating again.

◇Eric said that LaClare Farms has finally installed the long requested metering equipment. Badger Labs has conducted some on-site sampling already. Badger Labs will also be performing the sample test analysis. Eric will work with Autumn to determine a sampling/testing frequency recommendation to the sanitary district. More frequent testing will produce the most accurate representation of flow/strength and will produce the most accurate billing. Less frequent testing will not capture variations in flow and strength and will be more inaccurate. Calumet's sewer use ordinance is set up like the City's. Eric received a copy of a billing spreadsheet from the previous Superintendent Jeremy Cramer, and the parameters, as tested. will be inserted into that spreadsheet and that will be used to calculate the bill for LaClare.

◇Eric reported that he has contacted Mulcahy Shaw to get quotes on a laser flow meter for the Town of Fond du Lac SD#3, specifically for use at the two private metering stations located at Blue Heron apartments and the apartments on Streblov Dr. Both stations are set up with flumes and transducers which get clogged on a routine basis.

◇Autumn said there was a spike in the flow from Blue Heron apartments and Eric said it was due to them draining their pool into the sanitary sewer. Eric said the apartments do notify the sanitary district when the pool is filled or drained.

- **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**
◇The Ovivo pilot study is now complete. The pilot study was performed at no cost to the WRRF. The Ovivo pilot had membrane issues throughout the testing period.

◇The first digester clean-out project since the 2008 plant upgrade went well. The contractor came in and pumped out approximately 50,000-80,000 gallons of sludge, which was applied to the land. The digester was pumped down, pressure washed and cleaned in one day. The digester was in good shape but did have some struvite build-up. The epoxy coating on the floor is also beginning to chip off. The next time the digester is cleaned, in approximately 10 years, the floors will be inspected and at that time the floors may be recoated with new epoxy.

◇#3 Aeration Basin is still down. New diffusers will be installed once they arrive. Bio-P is intermittent, and chemical addition takes place when Bio-P is not occurring.

◇Discussions for a biogas evaluation study have taken place with Eco Engineers. They specialize in biogas utilization and feasibility studies. If the decision is made to proceed with the study, it will include options currently available for use of excess biogas, evaluation of our current gas cleaning system, starting a dialog with Alliant Energy to see if they receptive to WRRF creating an injection point for the gas, and infrastructure needs. Instead of flaring off the excess biogas, WRRF would clean the gas and sell it back to Alliant Energy. The revenue for this otherwise wasted gas could be \$1.5-\$3 million dollars per year. If WRRF installs an additional high strength waste tank, those numbers would increase since there would be more biogas produced.

- **Deammonification Status**

◇WRRF staff will be meeting with Strand Associates next week to work on some design details, selection of diffusers and probe technology. The project is at the mid-way point. Design plans will need to be submitted along with the loan application for the Clean Water Fund, sometime in September.

- **Nutrient Harvesting Evaluation Study**

◇A kickoff meeting will be held on August 25, 2017. Strand Associates is presently working on modeling.

- **Permit Application Update**

◇Mark Stanek, WDNR Basin Engineer, has been keeping Autumn updated. He said it's likely our new permit will not have a Mercury limit. There will need to be modifications made to WET testing.

- **Phosphorus Compliance Update**

◇There were no updates related to the MDV since its recent approval. Autumn informed Paul Tollard, Fond du Lac County, of the MDV approval and he said the County plans on participating. With that, the majority of the MDV payment should go back to Fond du Lac County.

◇There will be a TMDL stakeholder meeting held on August 23, 2017. Paul Tollard and Nick Leonard plan on attending this meeting.

◇The City of Fond du Lac and the City of Oshkosh will meet with the WDNR on August 29, 2017 as a follow-up to the August 23, 2017 TMDL stakeholder meeting. The WDNR may share the preliminary waste load allocations at one of the meetings.

Adjournment

◇A motion to adjourn was made by Autumn Fisher and seconded by Eric Otte. The motion passed. The meeting adjourned at 2:12 p.m. The next meeting is scheduled for September 19, 2017.