

TECHNICAL STANDARDS COMMITTEE
MINUTES
MONTHLY MEETING
WCTS Conference Room
700 Doty Street
Tuesday 1:30 PM, July 18, 2017

Call to Order – The meeting was called to order at 1:32 p.m.

Roll Call – Present were Jordan Skiff, Paul DeVries, Autumn Fisher, Eric Otte, Nick Leonard and Cody Schoepke.

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

Communication Session

Reports on:

- **Correspondence Relating to the Regional Wastewater System**
 - ◇Autumn asked Eric for clarification as to which sanitary districts he represents at the TSC meeting. Eric said he has been appointed to represent all but North Fond du Lac. Autumn asked this question because she wanted to know who would be able to relay information to a certain sanitary district.
- **Records Exchange – Update of Contact List**
 - ◇None
- **Sewer or System Improvements Anticipated, in Progress or Completed (Extensions or Rehabilitations)**
 - ◇Paul reported that 5th St. is complete and the contractor is now working on 7th St. The trouble spot in need of excavation in West Johnson St., near the former Pizza Hut, has not been repaired due to difficulty in finding a contractor to perform the work.
 - ◇Eric reported that the public hearing for the sanitary sewer extension in Rogersville Road will be on July 25, 2017.
 - ◇Eric reported that Taycheedah SD#1 has hired Northern Pipe to perform pressure grouting and Town of Fond du Lac SD#2 is currently accepting proposals for pressure grouting.
 - ◇Paul told Nick that he thinks the issue with the pipe under the bridge just south of the North Fond du Lac metering station is North Fond du Lac's responsibility because the City's connection point is farther down. Nick said he will stop today and look at it and report back.
- **FP or RSAP Amendments Anticipated, in Progress or Completed**
 - ◇None
- **Metering and Sampling**
 - ◇Autumn reported that the quarterly OSG sampling is complete on the west side and that sampling of the east side will begin this week. So far there have not been any issues.
 - ◇Paul said the software for the flow meters has now been installed and is operating.
 - ◇Autumn reported that the Friendship sanitary station has had a faulty pick-up tube, used for sampling, which has not been repaired. It's been over a year since it was first reported to the sanitary district.

- **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**
◊Cody reported that there has been significant build-up of struvite and vivianite in the heat exchangers. This year plant personnel performed the cleaning, instead of hiring a contractor to perform the work. In the past a contractor came in with a pressure washer and was able to remove the struvite, but that process was costly. This year WRRF personnel used a 2% hydrochloric acid solution to loosen the struvite, then pressure washed the heat exchangers. Plant personnel should see the results when the heat exchangers are placed back into service.
◊Aeration basin #3 is being taken out of service for routine cleaning and maintenance. Plant personnel are performing the work. The basin will be drained, cleaned, and diffusers cleaned and/or replaced. The basin has been modified over the last year to enhance biological phosphorus removal. Aeration basins #1 and #2 have already had this work performed.
◊Digester #2 will be out of service for cleaning and inspection. This will be the first time that the digester has been out of service since the 2008 plant upgrade. A contractor will be performing the work, with plant maintenance personnel performing necessary maintenance once the digester has been cleaned.
◊Nick asked Autumn to explain the microbeads/microplastics issue that has been in the news recently. She explained that WRRF partnered with Dr. Lorena Rios Mendoza, UW Superior, who specializes in environmental chemistry pollution, to see if microbeads are entering the waters of Lake Winnebago. WRRF personnel submitted samples of plant influent and effluent, along with samples from Lake Winnebago. Samples were submitted to and analyzed by Dr. Mendoza. Results found microbeads and microplastics in all of the

samples. Our plant can settle out some of the microbeads/ microplastics with existing processes but does not have filtration capability to capture the finer particles before being discharged into Lake Winnebago. Autumn pointed out that microbeads/microplastics come from sources beside wastewater treatment plants. Microbeads, found mainly in personal hygiene products, like facial scrubs, will be banned starting in 2018. It's not likely that any restrictions will be placed on microplastics since they're found in a wide variety of products and materials.

- **Deammonification Status**

- ◇Autumn reported that RVT has completed their report and found that soils under the proposed tank location are suitable.

- **Nutrient Harvesting Evaluation Study**

- ◇Autumn reported that Strand Associates and Black & Veach have been selected to prepare a feasibility study on nutrient harvesting. They have prepared a model of our plant using process modeling results from 2015-2016, and will explain their predictions to plant personnel based on that modeling. Quick Wash will give a technology presentation to all plant personnel next week.

- **Permit Application Update**

- ◇Autumn reported that our permit and multi-discharge variance (MDV) application was submitted to and received by the DNR, and that she has been in contact with Mark Stanek (DNR Basin Engineer) and other DNR personnel, supplying necessary information in response to their questions.

- **Phosphorus Compliance Update**

- ◇Autumn was told by Mark Stanek that WRRF can leave the document in draft form and not submit a formal compliance plan, due to the timing of the TMDL and our permit expiration date. The DNR will be hosting a stakeholder meeting on 08/23/17. This should be a status update. WRRF is working with the Paul Kent, City of Oshkosh, CH2M and Strand Associates in trying to get a meeting with the DNR, separate from the stakeholder meeting, where discussions regarding concerns and comments WRRF submitted last October 2016, can be addressed and answered.

- **07/20/17 OSG Budget & CIP Meeting**

- ◇Nick received a copy of the PowerPoint presentation from Autumn. Autumn will use the presentation and the CIP that will be going to Council for approval. Nick would like Autumn to emphasize the Water Quality Trading & Adaptive Management differences.

- ◇Preliminary waste load allocations should be available near the end of August. There may be a separate meeting on that issue at a later date.

- ◇The TMDL number is still unknown. Again, the CIP will be submitted to the City Council in October and we may not have the TMDL number by that time. The CIP amounts are based on a lot of unknowns and will likely be changed as more definitive information becomes available. Additionally, the CIP amount assumes we do not receive approval for a MDV.

- ◇We may know whether we get the MDV by August or September. If approved, it would be good for 10 years and would be in effect until 2027. It would be good for one entire permit term and would expire in the middle of another permit term. The MDV would allow for more time to meet compliance. If the MDV were approved, the CIP amount would likely not be reduced but would be spread out over a longer period of time.

- ◇Autumn and Nick will provide some sort of refreshments for the meeting.

- **Miscellaneous – Sanitary District Mapping**

◇Paul would like the current legal district boundary, and any updates to the piping. He said the Growth Area agreement is almost final. Eric will ask Ron Cunzenheim to forward to him all of the updated sanitary district mapping and then Eric will forward all of that to Paul DeVries. Eric said some of the districts will be meeting with ECWRPC to change their SSA.

Adjournment

◇A motion to adjourn was made by Autumn Fisher and seconded by Paul De Vries. The motion passed. The meeting adjourned at 2:35 p.m. The next meeting is scheduled for August 15, 2017.