

TECHNICAL STANDARDS COMMITTEE
MINUTES
MONTHLY MEETING
WCTS Conference Room
700 Doty Street
Tuesday 1:30 PM, July 19, 2016

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

Roll Call – Present were Jordan Skiff, Paul DeVries, Jeremy Cramer, Nick Leonard and Eric Otte.

Approval of June Minutes– A motion was made by Paul De Vries and seconded by Nick Leonard to approve the June 2016 meeting minutes. The motion carried.

Communication Session

Reports on:

- **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) FP or RSAP Amendments Anticipated, in Progress or Completed**
 - ◇Eric reported that the manhole lining in Taycheedah SD #1 is almost complete. About 40 manholes will be lined by Northern Pipe.
 - ◇Paul reported that Arndt Street is almost complete. Crews will move onto Melrose Boulevard after that. A new street, Police Memorial Drive has begun construction. The manhole-lining project will begin in August.
 - ◇Eric distributed a Notice of Intent for Fond du Lac SD#3 for the sewer extension on Rogersville Road, along with supplemental information as to connections points, service area, and design and flow information. It includes the addition of about 17 acres of land and will provide sewer for four future connections. These parcels are experiencing failed septic systems. Eric requested that the TSC approve the plan today to expedite the process. A motion was made by Nick and seconded by Jordan to recommend approval of the RASP amendment. A vote was taken, with Eric abstaining. The motion passed. Eric will now contact ECWPRC for approval.
- **Metering and Sampling Clearwater Reduction Fund Status and Party Activity**
 - ◇Jeremy prepared information for Eric to use when a new metering and sampling station is installed in the OSG. Jeremy would like documentation of how the flow meter is set up. This will help with initial calibration of the meter by the City.
 - ◇Paul will meet with representatives from Mulcahy Shaw regarding the placement locations of the replacement flow meters. These new laser meters will use real-time data and will use web-based software.
 - ◇Eric said that the Calumet sanitary district met on July 18, 2016. Larry, owner of LaClare farms was present at the meeting. The sanitary district gave LaClare Farms 30 days to complete and submit the plan for metering and sampling. If after 30 days the plan has not been submitted, the sanitary district will hire Badger Labs to perform the plan and install the

metering system. Larry requested a 90-day extension, which the sanitary district denied. The sanitary district also voted to impose a charge for waste produced from their cheese manufacturing process. The fee will be \$5,900 per quarter and will be effective immediately.

- **Receive Sewer Project Closeout Records and Shared Sewer Cost Calculations**
◇None
- **Distribute Updates to Regional Sewer Design and Construction 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

- **WCTS Operations Update**
◇The plant is now using ferric chloride instead of aluminum sulfate to treat for phosphorus. The plant conducted pilot studies using three different chemicals, aluminum sulfate, ferric chloride and cerium chloride. Bench testing showed the greatest cost savings using ferric chloride. The ferric results to date have shown lower dosing levels.
◇The plant is currently conducting a pilot study with the Clearas Company for low-level phosphorus removal. A greenhouse has been erected with algae-filled glass tubing inside. Algae will be used to remove the soluble non-reactive phosphorus from the wastewater. This process could help the plant reach the proposed lower phosphorus effluent limit set by the DNR. Bench scale testing has shown that this method will help meet that permit limit. Full-scale studies have been conducted in four other states. A by-product of the process could be sold to make bio-plastics. This could create a potential revenue stream for the plant.
◇One aeration basin was removed from service last week after a diffuser popped off. The basin was drained, the diffuser replaced, and the basin refilled.
◇Bio-P is running at about 60% of the time. Process changes are being made continually to optimize the process.
◇The biogas engine was overhauled and is back in operation. It had 21,000 hours on the engine.

Adjournment

◇A motion to adjourn was made by Nick Leonard and seconded by Jordan Skiff. The motion passed. The meeting adjourned at 2:10 p.m. The next meeting is scheduled for August 16, 2016.