

TECHNICAL STANDARDS COMMITTEE
MINUTES
MONTHLY MEETING
WCTS Conference Room
700 Doty Street
Tuesday 1:30 PM, February 16, 2016

Call to Order – The meeting was called to order at 1:30 p.m.

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

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

Communication Session

Reports on:

- **Correspondence Relating to the Regional Wastewater System**

◇None

- **Records Exchange – Update of Contact List**

◇The contact information on the OSG website was updated for the Town of Friendship SD#2 with the name of Eric Flood, replacing Mark Flood.

- **Sewer or System Improvements Anticipated, in Progress or Completed (Extensions or Rehabilitations) FP or RSAP Amendments Anticipated, in Progress or Completed**

◇Paul met with representatives from MSA to talk about the sewer-lining project. To date, no location has been selected.

◇Eric reported that Taycheedah SD#1 would be opening bids on 2/22/16 for their manhole repairs.

Metering and Sampling Clearwater Reduction Fund Status and Party Activity

◇Eric reported that the Ledge Road metering station is functioning. Jeremy is working with our SCADA integrator to get the station connected to the plant SCADA system.

◇La Clare Farms is ready to begin sampling. Jeremy and Eric are working on a sampling and monitoring system for determining the waste characteristics. Flow data is already being collected. Eric is coordinating this effort for the sanitary district.

◇Paul reported that City staff met with representatives from ISCO last week. There is new sampling meter technology that's called "non-contact" flow metering which uses an ultrasonic transducer along with laser technology. The City has a demo unit installed in Doty St. Some benefits are that debris build-up and low flows would no longer be issues, it doesn't require a flume, the readings are more accurate, it doesn't require expensive hardware/software, and an antennae could be installed on the bottom of the manhole cover, and the signal sent directly to the web. Paul also said that the software for these new meters allows for cloud storage. This type of meter could be added to existing flow monitoring stations in the OSG and City. The City is waiting for cost information. Paul thinks Van Dyne Road would be a prime location for installation of this type of meter. Eric thought this meter might be beneficial to install at Blue Heron Apartments, since debris is an ongoing issue in that flume. Jeremy said Madison, Milwaukee and Green Bay are switching to this type of meter.

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**

Additional Items

- **WCTS Operations Update**

◇Jeremy presented the TSC members with a sample of dried biosolids and a picture of the dryer that was used in the process. Gryphon Environmental has met with Jeremy and is interested in installing one of their sludge dryers in our facility. The pricing for this type of dryer, for a plant our size, ranges from \$3,000,000 – \$5,000,000 dollars. Gryphon has proposed a cost in the \$800,000 - \$1,500,000 dollar range.

Biosolids drying is in the CIP and is being looked at now because of the pending phosphorus regulations. Drying sludge results in reduced hauling costs, lower odor emissions, and has the potential to be marketable, similar to milorganite. Volume reduction of solids will be achieved with total solids going from 26.5% to 92.5%.

Phosphorus in biosolids will limit land application, which in turn will increase the amount of biosolids taken to a landfill. In 2015, 60% of biosolids were land applied and 40% were taken to a landfill. Land application results in significant savings to the plant. The plant spends \$300,000 annually on hauling costs to landfills.

◇Energy savings from 2014 to 2015 were approximately \$30,000 for electricity and \$80,000 for gas. Jeremy will forward the energy summary to Nick to share with the OSG.

◇Biochemical Phosphorus Removal (Bio-P) is running between 40%-50% of the time. This process is saving on our chemical usage. Alum usage has been reduced on average from 600 gallons per day to 300 gallons per day.

◇Influent pumps are being worked on and should be fully repaired before spring.

- **OSG Website Flows**

◇ICS, Primex and Strand were working on the implementation of Homeland Security upgrades at the plant, resulting in the loss of data importation to the OSG website. Once the security issues are addressed, the data importation to the OSG website should resume normally. Nick is open to looking for a better/less-expensive way for the OSG to get that

information, if possible. Paul suggested looking at the way the website information is used. Eric said he and other engineers frequently uses the flow data for a variety of things, while others in the sanitary district may occasionally view but not use the data to the extent he does. Could the more detailed information be gotten from the City and the more generic information is gotten from the OSG website? Paul also pointed to the possibility of this data being obtained from the “cloud” if the new “non-contact” meters are purchased.

◇The programming for the monitoring station on Ledge Road for Taycheedah SD #3 will be completed this week.

- **Sewer Use Ordinance**

◇Jeremy reported that the changes to the Sewer Use Ordinance are scheduled to go to the City Council on 3/9/16. The major changes to the ordinance are CMOM, ammonia, and industrial pretreatment streamlining and changing some of the definitions. Nick said that the next scheduled meeting of the OSG is set for 3/17/16 and asked that the OSG have the opportunity to review the proposed changes before City Council approval. Jordan said he would talk to the City Attorney about a postponement.

Nick had Eric had several questions/concerns specific to the ordinance.

1. What was the driving force behind the proposed change to the definition of “contract community” from “community customer.” Jeremy replied that Paul Kent, Attorney with Municipal Environment Group (MEG) suggested that language.
2. There is a redundancy of language in the Sewer Use Ordinance. Much of the language is already in the 2000 Wastewater Agreement. If it’s already in the agreement, why is it in the Sewer Use Ordinance?
3. 639-9 (C) How will contract communities know there may be an I and I problem without a standard? The numerical value previously associated with I and I has been removed. If the Sewer Use Ordinance is going to be used to enforce I and I issues with the “contract communities” the City must also recognize their own I and I issues.
4. Is it the City’s intent to now follow/enforce the Clearwater Reduction Fund language?
5. Nick suggested that if the 2000 Wastewater Agreement does not adequately address these issues, that the agreement be modified.
6. 639-19 (B) How does the OSG know if a user may be classified as an Industrial User?
7. 639-15 (E) Permits for Industrial Users – Will the City be requiring a permit from any OSG commercial or industrial user? Jeremy said this refers to Industrial Pretreatment and the language was recommended by Paul Kent, (MEG). Nick suggested changing the language to read “contract community” instead of “community.”
8. 639-48 (A) Billing Practice – Is there an intention to change the billing to a monthly basis? The OSG is now billed quarterly. Jeremy explained that the OSG is billed quarterly but that we do bill some customers monthly.

- **Review Process to Expand Sanitary District**

- ◇Paul presented updates to existing forms that are currently in the Technical Guidance Manual (TGM) and explained the process to be followed when there is a change to the Regional Service Area Plan.

- ◇Paul will send the updated version of Exhibit 1 to Jeremy and Nick.

- ◇Nick will follow-up with Paul Rosenfeldt regarding “who are “all affected parties?”

- ◇Eric will talk to Ron Cunzenheim to get clarification on Connection Points 19 and 20. What is the difference between them?

- ◇Paul and Eric will check their CAD maps for service area boundaries.

- **Other**

- ◇The City recently requested household counts from all of townships in the sanitary districts. Data has been received from all but the Town of Calumet. Jeremy asked if we could get some assistance in getting that information. Eric will take care of it.

Adjournment

◇A motion to adjourn was made by Eric Otte and seconded by Nick Leonard. The motion passed. The meeting adjourned at 3:28 p.m. The next meeting is scheduled for March 15, 2016.