

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

Call to Order – The meeting was called to order at 1:33 p.m.

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

Approval of February Minutes– A motion was made by Paul DeVries and seconded by Eric Otte to approve the February 2017 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)**
 - ◊Paul reported that Parker Excavating was awarded the utility and street reconstruction contract and plans to begin work on May 1, 2017. Visu Sewer will begin the sewer main lining about that same time.
 - ◊Eric reported that Fond du Lac SD#3 has contracted with Visu Sewer to do three spot repairs; two manhole boots and one lateral. He also stated that Northern Pipe repaired the leak at the Blue Heron meter station several months ago. Taycheedah SD#1 has identified 17 spot repairs and is looking for a contractor to make those repairs.
 - ◊Eric said the paperwork is complete for the sewer extension on Rogersville Road. The assessment hearings are next.
 - ◊Autumn reported on a high level float failure for Fond du Lac SD#3 and asked where the alarm calls go to. Eric said to use the Emergency Contact list and notify the person(s) from the affected sanitary district.
 - ◊Autumn also shared concerns over an incident at Empire #3 where a plumbingvac/jetting contractor wanted Wastewater personnel to remove the transducer and flume from the manhole that he was working on. Wastewater personnel told him they would not remove any equipment nor should he. In addition, the contractor did not use proper confined space protocol when entering the manhole. Eric said he would relay the information to the sanitary district.
- **FP or RSAP Amendments Anticipated, in Progress or Completed**
- **Metering and Sampling**
 - ◊Autumn said that if Wastewater personnel become aware of any maintenance/repair issues at the stations that she will notify the sanitary districts of those issues. Wastewater personnel will begin logging issues/repairs/labor and materials used at each station. The

sanitary districts will be charged for those items which are not considered routine maintenance, such as sampling, calibrations and station checks. Eric instructed Autumn to contact the sanitary district directly for authorization to make any repairs.

◊The Digger's Hotline/Polygon issue was discussed. The question is if the metering stations will be included in future utility locates. Eric said that Fond du Lac SD#3 and Taycheedah SD#1 has hired Excel Underground to do their utility locates. Paul didn't think the City would be responsible for marking the utilities around the metering stations. Paul thought that would be up to each sanitary district to contract with a utility locator. Paul will get input from the person who does the utility locates for the City.

◊Paul said the software still needs to be installed for the permanent flow meters. The temporary flow meters have been installed.

◊Autumn said the quarterly east side OSG sampling will be completed this week. Calibrations will be completed over the next several weeks.

◊Autumn reported that Badger Labs had contacted her to confirm the testing parameters for billing purposes at LaClare Farms. LaClare Farms also called Autumn to confirm those parameters. Badger Labs said LaClare has not entered into any contract for metering and sampling. Eric said he told LaClare Farms that if they don't have anything in place by the time of the next meeting of the sanitary district that the sanitary district would take care of getting that done and charge LaClare Farms, and LaClare Farms would have to reimburse the sanitary district. Badger Labs said they would also recommend testing for fats, oils, and greases. (FOG)

- **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 Construction 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**

◊ Biological Phosphorus Removal (BPR) continues to perform well. Chemical use of ferric chloride is down but struvite build-up in equipment has increased. This has caused more time being spent on equipment maintenance to remove the struvite.

◊ Autumn said that nutrient harvesting is in the CIP and may have to be moved up. There will be a feasibility study on nutrient harvesting conducted this year.

◊ The new blended sludge pump has been installed. New augers and conveyors were also installed on the centrifuge.

◊ The Biorem system is being cleaned and the media changed.

◊ Autumn will be meeting with the DNR this week to discuss phosphorus compliance options. The TMDL has not been received yet.

◊ The plant recorded a peak flow of approximately 66 million gallons during the rain event on April 15-16, 2017. The plant handled the flow with just a few glitches but did not do any blending or by-passing. The City by-passed the collection system for approximately 6 hours.

◊ The biosolids hauling contract has been awarded to United Liquid Waste. Our current contract with Synagro expires in October 2017. In addition to coming in with the lowest overall rate, United Liquid Waste can provide year-round storage of biosolids, which will mean the reduction/elimination of hauling biosolids to the landfill.

- **Deammonification Status & Financing Update**

◊ The Annomox project is in the design phase. Representatives from Pacques flew in from the Netherlands and Ovivo representatives flew in from Texas to meet with Wastewater personnel for two days in March. Construction will begin in late 2017 and complete in 2018 or early 2019. This will be financed with the Clean Water Fund.

- **Multi-Discharger Variance**

◊ Autumn explained that this was approved and would have interim limits put in place so that our permit would allow for a step-down in phosphorus limits from .8 to .6 to .5 and the utility would have to pay the difference between .2 mg/l and what we actually discharge, paying \$50 per pound back to the County and they would use that money for watershed initiatives. There is a requirement in the MDV which requires a rate increase/billing impact equivalent to 1% of the median household income. Fond du Lac County is very close to the 1% increase.

- **OSG Equipment Replacement Protocol**

◊ See Metering and Sampling above in the Communication Session.

- **NFDL Tank**

◊ Autumn would like to know how much flow could be diverted to this tank and what the rate of inflow/outflow should be to avoid back-ups in North Fond du Lac. The tank capacity is 3,000,000 gallons. Autumn will talk to Nick about how the operation of the tank would work in a high flow event. Would the overflow be able to handle what's coming into the tank without causing a backup?

- **2016 True Up**

◊ The 2016 True-Up has been completed by John Mayer. Autumn will forward a copy to Nick and Eric. The OSG will owe approximately \$264,000 due to a variety of unique circumstances. There was a 16% increase in plant flows and an increase in OSG flows and loadings. The OSG represented a larger percentage of overall loadings than in previous years. Autumn said the True-Up from 2015 to 2016 shows: Flows were up 1.2%, BOD was up 4.3%, TSS was up 6.2%, Phosphorus was up 5.2% and Ammonia was up 4.1%.

- **OSG Mapping Discussion**

◊Paul would like the sanitary districts to provide their district boundaries to the City, in an AutoCAD format if possible. Eric said that at a minimum, each district should have a “meets and bounds” description. Paul said he would put all the mapping together, provided all the districts get their information to him. Eric will place this item on the agenda for the next Executive Committee meeting.

Adjournment

◊A motion to adjourn was made by Paul De Vries and seconded by Eric Otte. The motion passed. The meeting adjourned at 2:53 p.m. The next meeting is scheduled for May 16, 2017.