

TECHNICAL STANDARDS COMMITTEE  
MINUTES  
MONTHLY MEETING  
WCTS Conference Room  
700 Doty Street  
Tuesday 1:30 PM, July 21, 2015

**Call to Order** – The meeting was called to order at 1:29 p.m.

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

**Approval of June Minutes**– A motion was made by Paul De Vries and seconded by Nick Leonard to approve the June 2015 meeting minutes. The motion carried.

**Communication Session**

*Reports on:*

- **Correspondence Relating to the Regional Wastewater System**
  - ◇The OSG approved the appointment of Eric Otte to serve on the Technical Standards Committee. Ron will continue to attend the monthly meetings while Eric transitions and yielded his voting authority to Eric effective immediately.
- **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 Town of Fond du Lac Sanitary District #3 met to discuss the possible sanitary sewer extensions on River Bend Court and Rogersville Road. There was not a majority of property owners on Rogersville Road to support the extension on Rogersville Road. River Bend Court is more likely to approve the extension because there are failing septic systems in that area. A representative from the Fond du Lac County Regional Airport was at the meeting and expressed interest in providing sanitary sewer to an area not currently served. Eric believes this is in the sanitary sewer district and sewer service area.
  - ◇The Blue Heron Apartments are currently having their sewers televised. They are trying to identify leaks and inflow/infiltration problems. Water meter accuracy was verified. Eric noticed that their baseline flow is elevated. Ron suggested that the maintenance man clean the flow line.
  - ◇Paul reported that the water main in Military Road, north of Division Street would be reconstructed this year.
  - ◇Front Range Environmental is the contractor for the manhole rehabilitation project. Paul said they're the same contractor that did the work last year.
  - ◇The video of the lateral lining was reviewed and it was determined that the City will continue with the specification to grout the lateral connection up to 10 feet.
  - ◇Nick reported that the Harrison Street reconstruction project is starting in August.

- **Metering and Sampling Clearwater Reduction Fund Status and Party Activity**
  - ◊Paul will meet with Jeremy to review the finding from last year's manhole rehabilitation project and review the temporary flow meter data.
  - ◊Jeremy reported that on 7/16/15 there was a spike in the flow for Sanitary District #2. It occurred around noon. Ron suggested looking at the meters upstream to see if the increased flow is coming from there.
- **Receive Sewer Project Closeout Records and Shared Sewer Cost Calculations**
  - ◊None
- **Distribute Updates to Regional Sewer Design and Construction Standards and TGM Revisions**
  - ◊Paul reported that the Engineering staff continues to work on the sanitary sewer specifications.

### **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**

- **TMDL Update**
  - ◊Jeremy reported that there is no update on the TMDL. Jeremy met last week with Greg Olson, of the Sand County Foundation. Greg is sampling water run-off from farm fields, south and east of Fond du Lac. Greg will be at the plant next week to observe in-house sampling procedures and offer suggestions for cost effective flow measurement, to get not only the phosphorus concentration, but also the phosphorus loadings.
  - ◊Wastewater Staff is performing in-house river sampling of about a dozen sites.
  - ◊Jordan met with Danielle Santry, a water biologist from Calumet County. Calumet County has their TMDL in place. Danielle said it's been an educational opportunity to inform the residents about water quality issues.
  - ◊Jordan and Jeremy toured Abel Dairy Farm in Eden. This is a CAFO farm. This visit will help in building relationships with local area farmers.
  - ◊Nick informed the group that the agenda has changed for the annual OSG Executive Committee Meeting, to be held on September 17, 2015. The TMDL is now the sole agenda item. City representatives will have approximately 90 minutes to address the committee. City representatives will inform the group about plant process changes, energy savings, pilot studies, future CIP projects, and phosphorus limits. Jeremy

suggested inviting Mark Stanek, DNR Basin Engineer. Jordan and Nick agreed that it would be a good idea for Mark to talk about the TMDL from a DNR perspective.

- **LaClare Farms**

- ◊Jeremy still has not heard anything from the owner or plumber. Ron said he'd contact them to follow-up.

- **I and I**

- ◊No Update

- **WCTS Operations Update**

- ◊The plant is running well with only two of three aerations basins in operation.

- ◊The last of four final clarifiers is being recoated. The project should take about one month.

- ◊The excess flow clarifiers may be re-grouted to prevent any further damage. These provide valuable storage during high flow events so it's important to maintain the integrity of the structure.

- ◊The plant has no biosolid storage. The plant produces biosolids every day and with no on-site storage of the biosolids, the plant must pay to have it hauled to a landfill. One option for on-site storage is a pad. This method has been approved for use on a farm in Brillion so it's promising that this method could be approved for use by the City. Then the biosolids could be land applied in the spring and fall. This would reduce or eliminate hauling charges, which are currently \$300,000 annually.

- ◊Xylem is testing a submersible pump with a VFD built into the motor of the pump. The pump is being installed at the Wildlife Acres station. This is new technology and we are a test site for this pump. This type of pump will save space in the station because the control panel is smaller and we don't have to install a VFD panel. The pump is designed to save energy.

- ◊Aqua Aerobics will be conducting a pilot study at the plant beginning in August. This will be a disc and filter membrane filtration system.

- ◊Airprex will be conducting a pilot study the last two weeks of October and the first two weeks in November. This will be a nutrient harvesting system. This pilot will produce, and then remove, in a controlled environment, struvite, which in turn could be sold as a phosphorus fertilizer. Green Bay and Madison are currently using similar processes and have already reached agreements with fertilizer companies to purchase the by-product.

This type of system could produce many benefits:

1. Reduce polymer use by 20%
2. Increase the dryness of our biosolids, which will reduce hauling costs
3. Reduce the cost to remove the struvite build-up in our heat exchangers
4. Help the plant reach the future phosphorus limit by removing the phosphorus earlier in the treatment process (installed off the digested sludge) and not have to use chemicals to remove it later in the system.
5. Reduce maintenance costs to remove struvite build-up in the heat exchangers.

- ◊There may be changes to the City Sewer Use Ordinance. The changes would include:

1. The addition of definitions for phosphorus, ammonia, nitrogen and portable waste.

2. The addition of billing for ammonia and establishing a billing rate for ammonia.
  3. Incorporation of recent streamlining changes from the DNR to the Industrial Pre-Treatment Program.
  4. The addition of CMOM Language(Capacity, Management, Operation and Maintenance)
  5. Correct spelling, grammar and punctuation as necessary.
- **Johnsburg Sanitary District 2014 True-Up Requests**
    - ◇Request #1 – Can the quarterly charge be reduced to the last three-year average amount of approximately \$1,800?
    - ◇Request #2 – Will the City enclose a history of each district’s quarterly flows along with each districts quarterly bill?
    - ◇Request #3 – Will the City make verbal/written contact with a district when there is a significant increase in their flow?

Jordan and Jeremy will discuss these requests and reply to Brenda Schneider, the requestor.

#### **Adjournment**

◇A motion to adjourn was made by Nick Leonard and seconded by Jeremy Cramer. The motion passed. The meeting adjourned at 2:52 p.m. The next meeting is scheduled for August 18, 2015.