



CITY OF LE SUEUR
UPDATE FOR COUNCIL

TO: Mayor and City Council
FROM: Richard Kucera, Public Services Director
SUBJECT: Wastewater Treatment Facility Update
DATE: For the City Council Meeting of Monday, Aug 24th, 2020

PURPOSE

To give City Council an update on the wastewater treatment facility.

SUMMARY

Amid the COVID-19 pandemic, we are working diligently to maintain staff safety with completion of day to day operation, maintenance, and repairs. The wastewater facility has been participating in a COVID-19 study with the University of MN Medical School in Duluth since mid-May. Samples from the city's waste stream were originally sent weekly and now are sent bi-weekly.

An inspection was completed at the wastewater treatment facility last week with an inspector from the MPCA. It went very well over-all. The final report will be sent in a few weeks.

Staff will begin work on the 2021 budget and staff has been evaluating rates. This will be coming to City Council soon.

Going forward, staff will be giving these updates the Administrator Kruggel to distribute to City Council members.

- Comprehensive CIP-CEP
 - The 5-year plan is nearing completion. This will prepare inventory tables of assets, including approximate replacement dates and costs. This plan will assist City Council and staff in making better decisions regarding maintenance of existing assets, rehabilitation of existing assets, replacement of assets, acquisition of new assets, operation of the system and financing long-term capital improvements including setting rates. Staff continues to work on a 10-year comprehensive CIP-CEP or Asset Management Plan.
- Building B - Biosolids Treatment
 - Wet Sludge Transfer Pump
 - The original pump is getting rebuilt after 12 years.
 - Dosing Pump

- The gear box on the dosing pump was replaced under warranty and is running normally.
 - Biosolids Meter
 - The biosolids meter was replaced and calibrated. A new valve was added at the same time.
- Building C - Pretreatment and Wastewater Treatment
 - Ferric Doors
 - The outside doors for the ferric chloride room are replaced and some repairs to the inside doors are completed.
 - New RAS Pump (#3)
 - The RAS pump was installed in July and is working.
 - Rebuilt Scum Pump
 - The Scum pump was rebuilt and is running normally.
 - Aeration Basin 1
 - This basin is down for cleaning and repairs to the air system.
 - Clarifier 3
 - Is taken down for maintenance. The gear reducer and motor will be changed also.
 - RAS Gates
 - The Return Activated Sludge (RAS) gates of all 3 clarifiers are failing and are planned to be replaced in 2021.
- Roof Evaluation and Maintenance
 - Building A and B need some minor repairs and building C will need major repair in 2021. These have been added to the CIP-CEP.
- UPS (Uninterrupted Power Supply) and backup
 - The UPS in building C was changed earlier this month. UPS' with alarms are being added at wells, lift stations and water/wastewater facilities. Backup alarms will be added also.
- Slip Lining/Spot Repair of Collection System
 - Slip lining was completed on a couple of portions of sanitary sewer lines that were failing or had protruding roots.
- CSAH 22 Project
 - Staff has been considerably involved in the CSAH 22 project. Most of the water, wastewater, and storm structures and infrastructure are completed for this year.