

Business Item 2022-168

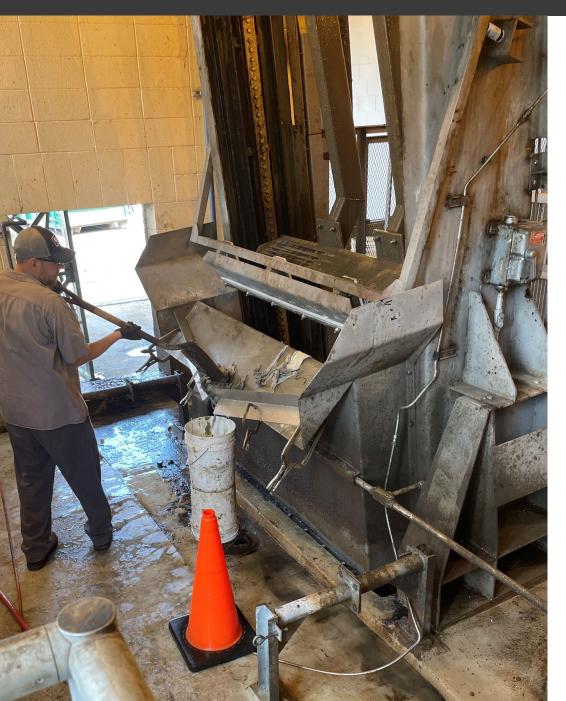
Ratification of Emergency Declaration for Seneca Belt Replacement



Emergency Declaration Process

- Infrastructure concern identified and investigated
- MCES had a blanket contract with supplier but was not large enough for this repair.
- Determination made that following the Council's Procurement Policy to renew this blanket would unacceptably delay the commencement of work to repair the facility
- Emergency Declaration Document is prepared and signed by the General Manager, Environmental Services
- After review, the Emergency Declaration is authorized by the Regional Administrator, who has delegated authority pursuant to the Council's Procurement Policy.
- Purchase Order was issued to supplier for material and labor for new belt system.
- Emergency Declaration is ratified by Metropolitan Council, if the cost to correct the emergency exceeds \$175,000

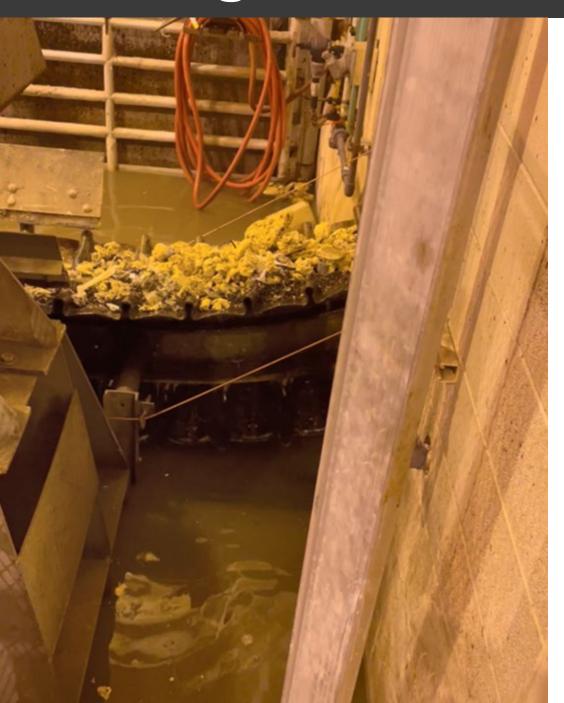
Failure of Seneca Headworks Conveyor



Catastrophic failure of critical equipment

- Serpentine grit conveyor system at Seneca
- Regular preventive maintenance in place
- Equipment due for major overhaul
- Belt would not stay on track-unable to repair
- 24x7 Manual raking operations until belt replaced
- This manual work is dirty and hazardous

Slug of Fat/Oil/Grease Hits Seneca Plant



FOG bog arrived 4 am February 17, 2022

- Local city piping had a large plug of solids in their line
- City jetted out the material which ended up at our plant
- Overloaded and flooded out this building
- Created an excessive load on equipment
- MCES crews worked to get system back online ASAP
- High loading on worn equipment accelerated to a future catastrophic failure?

Equipment Assessment & Removal



Repair Scope and Estimate:

- Maintenance team performed an assessment
- It was determined wear/damage beyond repair
- Contacted equipment manufacture for parts availability
- Quickest / most reliable repair was to replace belt and track components. Estimated cost \$181,000
- Quote from supplier exceeded current blanket funds
- Expedited order through emergency declaration
- MCES crews removed existing equipment

Equipment Installation

Install new belt system week of May 16, 2022

- Equipment manufacture on-site to install week of May 16, 2022
- Equipment installation began May 17, 2022
- Installation finished & in service 11 am May 19, 2022







Proposed Action

That the Metropolitan Council ratify the Emergency Declaration attached to the business item for the repairs to the Seneca Plant headworks conveyor.



Craig Edlund

Assistant General Manager, Treatment Services 651.602.8383

Craig.Edlund@metc.state.mn.us

Dan White

Director, Maintenance & Security 651.602.8299

<u>Daniel.White@metc.state.mn.us</u>

