



Business Item: 2023-298 SW

Amendment of Declaration of Emergency Repair of
Interceptor 1-MH-401B Lilydale Siphon



Environment Committee: December 12, 2023

Tim Wedin

Emergency Declaration Process



Emergency Declaration Process

- Infrastructure concern identified and investigated
- Determination made that carrying out the competitive bidding process prescribed by the Council's Procurement Policy 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.
- Contractor is selected and work begins under the direction of a Council Authorized Representative
- Emergency Declaration is ratified by Metropolitan Council if the cost to correct the emergency exceeds \$175,000

Emergency Summary and Location

Background

- MCES crews became aware of a reported leak on the morning of July 17, 2023.
- MCES Operations and contractor worked to remove wastewater from impacted area.
- Repair of the originally-discovered pipe break occurred August – November.
- Inspection identified additional holes in the pipe, resulting in an expanded repair scope.



Project Photos – Wastewater Spill

Photo of spill area 1



Operations staff setting up pumping



Project Photos – Wastewater Spill

Continued cleanup



Source of spill



Project Photos – Investigation and Repair

Deteriorated Siphon Pipe - Break



Pipe Segment Replacement



Project Photos – Investigation and Repair

Repair and Cleaning Operation



CCTV Inspection – Additional Holes



Repair Scope and Revised Estimate

- Add dewatering at two additional pipe defects to remove groundwater from the pipe.
- Lining the broken 12-inch siphon pipe with BulletLiner system.
- Additional cleaning and televising of the remaining two siphon pipes.
- Lining of the two remaining siphon pipes if deemed necessary after investigation.
- It is estimated that the additional work scope will add \$2,000,000 to the cost of the emergency repair, bringing the total estimated cost under this emergency declaration to \$3,000,000.

Proposed Repair

Bullet Liner

- Flexible Fabric Reinforced Pipe
- Used for rehabilitation of pressure pipes
 - Internal water pressure helps keep the pipe shape
- Installed within existing pipe



Proposed Action



That the Metropolitan Council amend Emergency Declaration 2023-178 for repairs to Interceptor 1-MH-401B Lilydale Siphon in Saint Paul in the amount not to exceed \$3,000,000.



Questions

Tim Wedin

Assistant Manager, Interceptor Engineering

Timothy.Wedin@metc.state.mn.us

651-602-4571

