

Business Item 2022-41:
**Adopt Facility Plan for the Hastings
Wastewater Treatment Plant, MCES
Project No. 809800**

Heidi Hutter, Principal Engineer, Plant Engineering

Chad Davison, Principal Engineer, Interceptor Engineering

Environment Committee: February 8, 2022



Public Notices & Schedule

Postcard
Notice mailed

Open House

Public Comment
Period Closes

Metropolitan Council
adoption of Facility Plan

12/3/2021

12/15/2021

1/18/2022

2/23/2022



12/5/2021

1/5/2022

2/8/2022

3/4/2022

Pioneer Press Notice

Public Hearing

Environment Committee

Submit Plan to Minnesota Pollution Control Agency (MPCA) with application for Clean Water Revolving Fund Project Priority List

*Draft Facility Plan was available at Hastings City Hall, Pleasant Hill Library, and online at HastingsWWTP.com

Key Scope & Implementation Plan

\$165M Program

Lift Station and Conveyance Systems (\$23M)*

Construction 2024 to 2026

- Lift Station on Existing Site (\$1M)
- Conveyance System to New Site (\$22M)

Wastewater Treatment Plant and Outfall (\$139M)*

Design/Build 2024 to 2027

- Wastewater Treatment Plant (\$119M)
- Outfall to the Mississippi River (\$20M)

Decommission Existing Facilities (\$3M)*

2028 to 2029

- Decommission Existing Facility



*Rounded costs. See Facility Plan for further detail.
Planning level costs include 30% contingency, 3% annual escalation cost, 20% Engineering and Administration.

Summary of Comments

From	Subject	Resolution
Craig Christenson Area Resident	There is no information regarding the river's floodplains.	A map depicting the floodplain is available in the Facility Plan. Reference Figure 1-3.
Craig Christenson Area Resident	The soils must be very poor for construction.	Soil borings across the site were performed as part of planning activities. Soil correction as needed will be part of construction activities and has been accounted for during planning.
Craig Christenson Area Resident	There must be a need for a 500+ year flood wall.	The wastewater treatment plant will be built on approximately 10 acres of natural high ground, located outside the 500-year flood plain. This area supports a 10 million gallon per day facility planned for the service area.
Craig Christenson Area Resident	There must be a flood impact due to the large flood wall area construction.	Construction on natural high ground located outside the 500-yr floodplain minimizes disruption to the natural landscape and impacts to the floodplain. Any impacts to the floodplain will be addressed through the proper regulatory channels.
Craig Christenson Area Resident	Why was not the higher land further north not used?	This property was selected following Phase I and Phase II archeological investigations of potential properties due to low potential to contain intact archeological resources based on extensive gravel and sand extraction, housing and commercial development, and road construction activities that have occurred in the area.

Summary of Comments

From	Subject	Resolution
Tyler Cysiewski Area Resident	Was the property that the new plant will go on private property before?	Yes. MCES purchased the property in 2005 as an active gravel mine from the previous property owner.
Tyler Cysiewski Area Resident	Is the property part of the vermilion water flood plan?	Most of the property is located in the flood plain. MCES will optimize siting new facilities outside of the flood plain. The FEMA flood map for this property can be found here: https://msc.fema.gov/portal/home (2445 Ravenna Trail, Hastings)
Tyler Cysiewski Area Resident	If the property was privately owned what was the purchase price and is there a cap for this plan? I guess the budget for this project and where the money is coming from maybe would be a better description.	Based on the state deed tax information found in Council records, the final purchase price of the Hastings WWTP Property at 2445 Ravenna Trail, Hastings was \$5.3M. Projects of this nature are typically funded through the issuance and revenue generated through general obligation bonds sold by Council and low interest loans from the Clean Water State Revolving Fund (SRF). The planning level construction cost estimate for this work is \$145,000,000. Cost will be further refined as the project moves forward into design.

Summary of Comments

From	Subject	Resolution
John Powell Foth Infrastructure & Environment, LLC	Section 4.5.6 indicates that the strength of the road sections for the area surrounding the WWTP site were reviewed; will the roadway strength data used for this review be included in the final report?	All proposed haul route roadways are a minimum of 9-ton design strength. Roadway strength data will not be added to the facility plan.
John Powell Foth Infrastructure & Environment, LLC	Appendix 7-1 includes Detailed Opinions of Probable Cost; is there more detailed conveyance (gravity and force main) and Mississippi River outfall capital cost data available?	See certified opinion of probable cost added to Appendix 7-1.
John Powell Foth Infrastructure & Environment, LLC	Have treatment plant or other components been identified that have a high risk of negatively impacting the construction schedule due to supply chain issues?	At this time no risks have been identified due to current supply chain issues. The project is currently in the planning phase. Construction is scheduled for 2024-2026. Risk will be evaluated and accounted for during design.

Summary of Comments

From	Subject	Resolution
Tina Folch City of Hastings Council Member	If the existing site is to turn over back to ownership of the city, why wouldn't the property be given back in the same condition as it was taken without any underground infrastructure left behind? Why would be acceptable to leave infrastructure behind that the city would have to remove for site redevelopment?	The existing WWTP was constructed by the city of Hastings in 1952. Ownership was transferred to the Metropolitan Council in 1970. The proposed decommissioning plan removes structures in their entirety on the developable portions of the site and returns the property to the City in a more developable manner than it was received. The specifics of decommissioning will be developed in an intergovernmental agreement between the City of Hastings and the Council.
Tina Folch City of Hastings Council Member	I was told that postcards only went to houses or property owners that were within a few blocks of the new property. And so, as you're doing communications into the future, I would really hope that a direct communication would be provided to all the residents that are along Tyler Street.	Invites for the open house and public hearings were sent to over 600 stakeholders and residents within and adjacent to the project boundary. Publications were also sent to the local and regional newspapers. A map was provided depicting the mailing area.

Summary of Comments

From	Subject	Resolution
Michael Childs Tribal Council, Prairie Island Indian Community	Some of that discharge piping is going through some of my relative's old land. My main concern is that nothing is dug up. A lot of times these kinds of projects, even though there's archeological-type stuff done for the preliminary, it's been found halfway through. A lot times things are dug up. So that's my main concern and making sure that if something is dug up that it's not hidden because there's been a lot of that.	The Metropolitan Council will initiate tribal consultation following Adoption of the Facility Plan by Council.

Summary of Comments

From	Subject	Resolution
Jacob Majeski Area Resident	You stated that to dump the water in the Vermillion would cost more, but it would be cleaner water going into the Vermillion River. To dump water in the Mississippi, less money but more excavation, but dirtier water. It all runs into the same place, what's the difference?	Water quality standards are established by the MPCA based on the specific characteristics of the discharge location and receiving water body. The Mississippi River has the capacity to accept treated effluent water from the wastewater treatment plant currently and as it grows with the service area. It also maintains flexibility of the Council's Mississippi Basin Total Phosphorus Permit which is protective of the environment.
Jacob Majeski Area Resident	Someone stated that there needs to be a buffer zone for the pipeline for the discharge pipe. I'm curious on what that buffer zone would be as far as an easement. How big of an easement would that be and when do you plan on speaking to landowners?	We currently plan to request a 70' wide easement adjacent to the Xcel Energy overhead transition line easement. Negotiations for the easement will begin in January 2022.
Jacob Majeski Area Resident	How deep will you have to go through the highest ground on your way to the river to be gravity-fed?	Preliminary design revealed a 15-foot excavation at the high point as it crosses 4 th Street. This may change a foot or two during final design. The lower 8 to 10 feet of trench is expected to be rock excavation.
Jacob Majeski Area Resident	Will dynamite be used, do you know, if you're going through bedrock, limestone?	Blasting will not be used. Rock excavation will be performed by pneumatic and mechanical excavation.
Jacob Majeski Area Resident	Are there any studies on pneumatic jackhammers disturbing wells? Because we're all well-fed down here. We don't have city water and sewer.	See attached memo from the Council consultant engineer addressing the concerns about the groundwater aquifer.

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From	Subject	Resolution
Jacob Majeski Area Resident	Email sent by Jacob Majeski to Senator Bingham expressing dislike of granting an easement across his property for the treated water discharge pipe to the Mississippi River. The Senator's office forwarded this email to the Council requesting a response they could forward to Mr. Majeski.	Interceptor Engineering staff drafted a letter to respond to Senator Bingham stating the facility is the beginning of the planning process and that Council staff would reach out to Mr. Majeski to discuss the potential for an easement after the plan is adopted by the Council.

Summary of Comments

From	Subject	Resolution
Margaret Bohn Area Resident	We are wondering how much noise we can expect out of the new pump station?	The new pump station will be very quiet during normal use. There may be intermittent noise if there is a power outage due to the sound of a generator running.
Margaret Bohn Area Resident	Will it be placed on the southeast corner?	Yes.
Margaret Bohn Area Resident	Will odor be an issue?	We do not anticipate any odor issues. The Metropolitan Council will be operating this lift station for a year prior to turning the facility over to the City. We will assess any odors at the lift station and install odor control if needed.

Proposed Action

That the Metropolitan Council adopt the facility plan for Hastings Wastewater Treatment Plant, MCES Project No. 809800 per Resolution No. 2022-3.

Questions

Heidi Hutter

Principal Engineer

Plant Engineering

Heidi.Hutter@metc.state.mn.us

651-602-1026

Chad Davison

Principal Engineer

Interceptor Engineering

Chad.Davison@metc.state.mn.us

651-602-4031