

Project Update – Effluent Disc Filter Project

PROJECT OVERVIEW

Heart of the Valley Metropolitan Sewerage District (HOVMSD) has a [NPDES](#) discharge permit that sets limits on the amount of both suspended solids and phosphorus that can be discharged to the Fox River. In order to achieve compliance with its phosphorus and suspended solids Total Maximum Daily Load (TMDL) allocations, HOVMSD determined that additional treatment would be necessary.

The installation of an additional effluent disc filtration step as a tertiary level of treatment will enable the District to meet its permit requirements. The effluent disc filters are being installed in an existing building on the HOVMSD campus.

WORK COMPLETED TO DATE

2021

- Project designed (preliminary and final)
- Clean Water Fund Program (CWFP) loan application submitted

2022

- CWFP loan closed
- Prepared and reviewed bidding documents
- Public bidding process completed and contract awarded
- Construction began in existing building to accommodate new filter system

2023

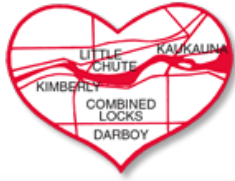
- Construction continues
 - Upgrades/replacement of air handling equipment
 - Enhancements made to disinfection system to meet code requirements
 - Converted space for women's locker room and rest room
 - Filters arrived from Sweden and are placed in building
 - Concrete and structural work winds down

WORK UNDERWAY OR TO BE COMPLETED

2023

- Replacement of roof
- Mechanical and electrical work ramps up
- Integration of Effluent Disc Filters with supervisory control and data acquisition (SCADA) system
- Filter start up, training and performance testing takes place (anticipated by end of 2023)

Please note, the project timelines are subject to change based on material delays or other unforeseen circumstances.



Heart of the Valley METROPOLITAN SEWERAGE DISTRICT

Effluent Disc Filter Project Moves Forward

Filters for Project Arrive

For Immediate Release

May 22, 2023

(Kaukauna, Wis.) – Work on [Heart of the Valley Metropolitan Sewerage District's](#) (HOVMSD) Effluent Disc Filter Project is moving forward with the arrival of six filters from Sweden. The filters have arrived on site and are being placed inside the building through a side wall. Contractors' work to connect the filters to existing systems is expected to continue over the remainder of the year.

The project involves the installation of an additional effluent filtration step as a tertiary level of treatment to enable the District to meet its wastewater effluent permit requirements for suspended solids and phosphorus. The system is being installed in an existing building on the HOVMSD campus, using existing tanks. It will be fully integrated into the utility's control system.

"We're pleased with the progress on the project to date," said Brian Helminger, HOVMSD District Director. "So far, it is proceeding according to schedule, and if all of the materials required to complete the project arrive on time it will continue to. We are hoping to have the system installed and to begin performance testing before the end of this year.

Helminger says the project has also included required upgrades to the building's HVAC (heating, ventilation and air conditioning) system as well as a new roof and additional locker room space for employees.

The project is being funded with a loan from the Clean Water Fund. More information about the project is available at <https://hvmsd.org/disc-filter-project/>.

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*Established in 1974, the **Heart of the Valley Metropolitan Sewerage District** provides cost-effective wastewater collection and treatment for its member communities while protecting public health, safety and the quality of the environment. Member communities include the city of Kaukauna, the Villages of Little Chute, Kimberly and Combined Locks, and the Darboy Sanitary District.*

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