



May 11, 2021

Project Number: S-2021-0388

Robert Bruno
H2FLO
5357 S. 9th Street
Milwaukee, WI 53233

Subject: Approval of Proposed Plans for a Pretreatment System

Dear Mr. Bruno:

The Department of Natural Resources (hereafter department) is conditionally approving plans for a wastewater pretreatment system to serve H2FLO in Milwaukee, WI. The proposed pretreatment system will discharge treated process wastewater to the sanitary sewer of the Milwaukee Metropolitan Sewerage District (MMSD). The plans and engineering report for the proposed modifications were prepared by Kristi L. Linsmeier of The Sigma Group, and were received by the department on April 23, 2021.

The H2FLO facility will received trucked wastewaters from customers, treat and dewater it, and discharge it to the sanitary sewer. Incoming wastewater will be sampled and analyzed prior to discharge. Wastewater outside of treatment parameters for the facility will be denied. Incoming accepted wastewater screened through a ¼” screen and pumped into one of three 21,000 gallon frac tanks for gravity separation. From there it will be pumped to one of three 10,500 gallon process tanks for treatment. Once the wastewater is treated to acceptable discharge parameters in compliance with a discharge permit issued by the MMSD it will be discharged to the MMSD sanitary sewer for final treatment.

The plans are hereby approved in accordance with s. 281.41 and with approval Number S-2021-0388, subject to the following conditions:

1. That the proposed system be operated efficiently when it is placed in operation.
2. That the Milwaukee Metropolitan Sewerage District is notified when construction commences and again when the approved facilities are placed in operation. Please notify Kevin Shafer at kshafer@mmsd.com or at (414) 272-5100.
3. That the facility described in the plans is designed to provide treatment adequate to meet the Milwaukee Metropolitan Sewerage District sewer use ordinance.
4. That the improvements be installed in accordance with the plans, and the above conditions, or subsequent essential and approved modifications.
5. That solid wastes or residuals generated as a result of the wastewater pretreatment process are managed pursuant to chs. 289, 291 and 283, Wis. Stats.; chs. NR 500 to 555 and 660 to 679, Wis Adm. Code, and other regulations which apply to the management of wastewater treatment residuals.


The Department has the authority under ss. 281.19(1), Statutes, to adopt rules for the construction, installation, use, and operation of sewerage systems. Chapter NR 108, Wis. Adm. Code, has been adopted by the Department

pursuant to this statutory authority. The Department has the authority to approve, conditionally approve, or deny plans under s. 281.41, Statutes.

This approval shall not be construed as a Department certification of the ability of the proposed system to comply with applicable pretreatment standards. Where necessary, plans and specifications should be submitted to the Wisconsin Department of Safety and Professional Services, Portage Utilities or other state or local agencies to ensure conformance with applicable codes or regulations of such agencies.

The Department reserves the right to order changes or additions should conditions arise making this necessary. In case construction of this improvement has not commenced or contracts awarded to complete this improvement within two years from this date, this approval shall become void. After two years a new application and plan submittal must be made and approval obtained of this or other plans, before any construction work is undertaken.

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
For the Secretary



for

Jason Knutson, P.E.
Wastewater Section Chief
Water Quality Bureau



Richard Douglas
Interim Pretreatment Coordinator
Wastewater Section
Water Quality Bureau

ec: Kristi Linsmeier– The Sigma Group
Kevin Shafer – Milwaukee Metropolitan Sewerage District

cc: Pretreatment File – WY/3