

Furnish and Install Odor Control System at CWRP, HPWRP, and KWRP

Project Number: 17-844-3P

Service Area: North and Calumet

Location: Calumet WRP, Hanover Park WRP, and Kirie WRP

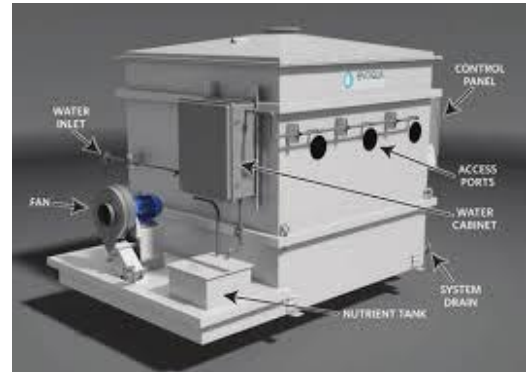
Engineering Consultant: In-house design

General Contractor: To be determined

Estimated Construction Cost: \$3,600,000.00

Contract Award Date: December 2018*

Substantial Completion Date: June 2020*



Project Description: The work at the Calumet WRP will replace the odor control unit at the high level influent pump station to more effectively treat the exhaust from the junction chamber. The existing unit could not effectively address the odor concentrations. The new odor control unit will reduce labor required to change media by 80 hours per year and will reduce the cost of media by \$20,000 annually. The work at the Hanover Park WRP will install odor control units to treat the pretreatment building (including grit tanks), course screen exhaust, and gravity thickening belt exhaust. The work at the Kirie WRP will install an odor control unit to treat the north and south pump house exhaust. The project has the potential to reduce influent chlorination costs.

Project Justification: The new systems have been designed according to the actual measured hydrogen sulfide (H₂S) concentrations at each of the facilities. Thus the most suitable type of odor control technology will be installed at each location to ensure the highest efficiency reduction of the odor emissions that affect the District's neighbors and staff.

Project Status: The project is 98% designed.

*Information shown is estimated.