

MUNICIPAL WATER AUTHORITY OF ALIQUIPPA WYE LIFT STATION BAR SCREEN REPLACEMENT

The Wye Lift Station is located at the end of Franklin Avenue and serves Aliquippa and portions of Hopewell Township. Approximately 98 percent of the total sewage flows from the service area is pumped from this lift station directly to the wastewater treatment plant in West Aliquippa. The Wye Lift Station is equipped with a 60-year old mechanically-clean bar screen to protect the raw sewage pumps from damage by bricks and other larger debris entering the station from the sanitary sewer system. In September 2018, the bar screen stopped rotating and



shut down. It was determined that several steel components of the screen were damaged beyond repair. Since that time, Authority operating personnel have reported pumps seizing because of clogging and surcharging of the interceptor

due to the accumulation of debris ahead of the inoperable bar screen. Maintenance costs have significantly increased during this time. Replacement of this bar screen is a high priority for the Authority.

Construction plans and specifications were prepared for the replacement project. The project consists of the removal and disposal of the existing screen equipment; furnish and installation of

new screen and control panel; concrete modifications of influent channel; construction of permanent bypass connection; replacement of lighting and exhaust fans in the Screen Room; and replacement of lift station influent, screen bypass and overflow slide gates.

Construction Bids were received by the Authority in January 2020. The Authority awarded the \$490,157.33 Contract to the lowest responsible Bidder in February 2020. Notice to Proceed was issued to the Contractor in May 2020. Construction should be completed and the new equipment operational sometime during the first quarter of 2021.