
CEI Works on Industrial Wastewater Management with NAVFAC



CEI recently worked with NAVFAC to update their Industrial Wastewater Management Plan (IWMP) for Naval Air Station Patuxent River, Maryland (NASPR) and assess septic systems for Chesapeake Bay Total Maximum Daily Load (TMDL) compliance.

The Patuxent River portion of the NASPR consists of over 500 manholes and more than 150,000 linear feet of sanitary sewer pipes. In 1998, the IWMP noted 100 Significant Industrial Users (SIUs)/Industrial Users (IUs). Since then the installation has grown in industrial activity and the number of SIUs/IUs has increased.



CEI completed assessments of industrial wastewater discharges to the St. Mary's County Metropolitan Commission and assessments of septic system locations and functions. CEI used dye water tracing and ground penetrating radar to assess septic locations and confirm connections to the base sanitary collection system. SIUs and IUs were identified in a comprehensive Industrial Wastewater Survey and thorough review of material safety data sheets (MSDSs) and standard operating procedures (SOPs), inspections of pre-treatment devices, and interviews with on-site personnel.

CEI identified locations that required pretreatment or appropriate management controls using Industrial Discharge Certificates (IDCs) and identified monitoring procedures to demonstrate compliance with these pretreatment standards. CEI also created a Preventative Maintenance Plan for each major component in the collection system (i.e., lift/pump station, pretreatment unit, flow meter), and made recommendations for septic system abandonment or connection to the sanitary system.

CEI is a civil engineering and environmental consulting firm that serves Federal, state, municipal and private clients throughout the Eastern U.S.

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