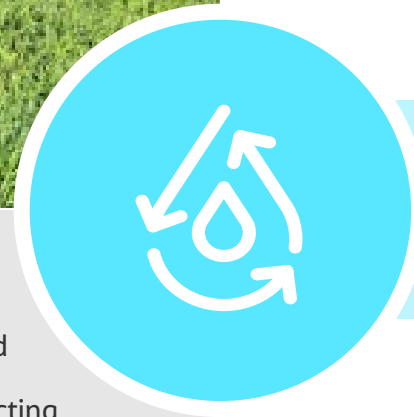




BRIEF OVERVIEW AND RELEVANCE

NALF Fentress has a Wastewater Treatment Facility (WWTF) classified as a secondary wastewater treatment system with spray irrigation for final effluent treatment and disposal. Jacobs provided sampling and testing services, engineering support, technical evaluation, and permitting for the treatment plant and irrigation system to comply with applicable permit and regulations. We assessed the condition of existing equipment and operational procedures and provided recommendations to the Navy to improve operational effectiveness and efficiency.



FY20 Virginia Pollution Abatement (VPA) Permit Reapplication, NAVFAC MidAtlantic

Naval Auxiliary Landing Field (NALF) Fentress, Chesapeake, VA

PROJECT SCOPE

- Site Evaluation
- Soil Sampling and Permeability Testing
- Data Evaluation and Information Assessment
- Improvement Recommendations
- VPA Permit Reapplication
- Operations and Maintenance Manual Review and Update

CHALLENGES

- The project was plagued by heavy storms causing ground saturation, delaying field testing, and negatively impacting the project. The Team remained flexible, expediting other aspects of the project to keep the project on schedule and meeting the permit application deadline despite unavoidable delays.
- During project execution, the Navy identified inconsistencies in their records and requested that the team provide additional support. We provided the needed data without negatively impacting project schedule and delivered the additional scope on time.

KEY ACCOMPLISHMENT

During the site visit, worked closely with the WWTF Operations Lead to gather information on ongoing operations and processes, which led to the discovery of inaccurate data reporting to state regulators due to a calculation error. We notified the Navy of our findings, enabling them to correct future submittals to the state.

Despite schedule setbacks due to inclement weather and additional client-requested scope, adjusted project sequencing to complete the in situ soil permeability testing and sampling necessary to meet permit deadlines.