



BRIEF OVERVIEW AND RELEVANCE

Tank Farm 4 contains the remnants of 12 former 2.5-million-gallon-capacity aboveground storage tanks (ASTs) used to store No. 6 fuel oil. Following the closure-in-place of the ASTs, the site still has de-energized underground electrical cabling that may contain asbestos- and/or polychlorinated biphenyl compound-containing components and possibly lead coverings. Jacobs is providing sampling and analysis of the underground electrical cabling in advance of a planned redevelopment of the property into a solar farm in 2022.

Teaming Partner(s) Involved:

Service Disabled Contracting Group, Inc. – Excavation and sampling services



Soil Management, Tank Farm 4 Underground Electrical Cable Sampling, NAVFAC MidAtlantic

Naval Station (NAVSTA) Newport, RI

PROJECT SCOPE

- Site Visit
- Work Plan/Sampling and Analysis Plan
- Field Investigation
- Reporting

CHALLENGES

The team was challenged to develop a sampling approach to locate and collect representative samples from at least six different cable types installed in multiple phases over a period of 45 years, potentially including Paper-Insulated Lead Covered (PILC) cables, which require a specialized method to cap and seal the cable ends after sampling to ensure they remain inert and do not become a future source of contamination to the surrounding soil.

KEY ACCOMPLISHMENT

Hosted stakeholder meetings to obtain agreement on a phased sampling approach, which would allow flexibility in addressing data gaps and unexpected conditions identified in the field, including discovering cables at greater depths than indicated on historic maps, additional cables, and potential legacy soil contamination. This approach allowed for completion of the field investigation prior to the initiation of the solar array installation.