



VA Bay Pines Healthcare System

United States Department
of Veteran's Affairs

Relevant Services

Planning, Permitting and
Compliance
Contamination Assessment
Soil Sampling
Groundwater Sampling
Risk Management

Challenges

Completing assessment on
historical discharges with little to
no documentation of historical
cleanup activities
Minimizing impacts to concurrent
active operations
Limited accessibility

OVERVIEW

NovelEolutions, Inc. (NovelE) was the Engineer-of-Record and Geologist-of-Record to the United States Department of Veteran's Affairs for environmental consulting services at their Bay Pines Healthcare System. Liza Grudin, PE and David Smith, PG, respectively served as the registered professionals for this fast-tracked site rehabilitation. Gregory Aumann, Project Geologist, provided the primary project management and field oversight for site activities. NovelE is a key subcontractor on this 5-year, \$4.16 million IDIQ to ACT Safe, LLC, a SDVOSB.

NovelE conducted assessment for three open discharges at the facility. Assessment activities included the installation of soil borings and monitoring wells, gauging and delineation of free product, sampling of monitoring wells, and evaluation of remedial alternatives. Site activities for all three discharges were condensed into two days of onsite drilling and sampling to minimize disruptions to concurrent operations at the active VA hospital.

PLANNING, PERMITTING, COMPLIANCE AND CONTAMINATION ASSESSMENT - Building 40

NovelE assembled a team of engineers and geologists to expedite the assessment of the discharges in order to close out contamination issues at the site. A total of nine soil borings and three monitor wells were installed to assess petroleum impacts in the vicinity of the aboveground storage tank (AST) utilized for storage of diesel for one onsite generator. Prior to the intrusive field activities, a site walk was conducted with key onsite staff to determine utility and other underground hazards. Electro-magnetic (EM) and Real-Time Ground Penetrating Radar (GPR) Locating equipment was employed to locate and mark all facilities in the work area. Soil samples and groundwater samples were collected pursuant to regulatory guidelines. Based on the field screening and laboratory analysis, further assessment was recommended. A new Task Order will be issued for this future work to include delineation of free product, a tidal study, and horizontal delineation of free product and dissolved groundwater impacts.

PLANNING, PERMITTING, COMPLIANCE AND CONTAMINATION ASSESSMENT - Mental Health Building

Historical removal of underground storage tanks (USTs) resulted in petroleum contamination of soil and groundwater near the new Mental Health Building. One monitoring well was installed to assess the area after construction activities were conducted. Additional assessment is recommended to determine remedial alternatives for aggressive cleanup to bring this discharge to a No Further Action (NFA) status.