



SFWMD Segment 3 Pump Station Closure

SFWMD

Relevant Services

- Planning, Permitting and Compliance
- Contamination Assessment
- Well Installation
- Soil Sampling
- Groundwater Sampling
- Well Abandonment
- Source Removal
- Technical Reporting
- Phase II Environmental Site Assessment
- Quality Control

Challenges

- Expedited field activities
- Concurrent site activities

Contract Number

4500128778

OVERVIEW

NovelE conducted environmental consulting services as a Prime Contractor to the South Florida Water Management District (SFWMD). The goal of the assessment and source removal activities was to obtain closure of the April 26, 1999 discharge from an aboveground storage tank (AST) within 2 months timeframe. Site activities were conducted at the Segment 3 Pump Station in order to facilitate construction work for the Everglades Restoration Program.

The Segment 3 Pump Station site was a former pump station that had an AST. In June 2021, NovelE supervised excavation activities to include removal of two concrete slabs and 27.61 tons of soil for proper transportation and disposal at the Waste Management Okeechobee Landfill. Mr. Robert Taylor and Mr. Terrence Horan, SFWMD, were onsite to coordinate and supervise the field activities. Both concrete slabs were moved to the south side of the road along a canal that runs north and south.

After the removal of the concrete slabs, NovelE collected soil samples from eight (8) locations starting from the north edge of the smaller concrete slab. The soil samples were collected at approximate 6 foot intervals around the perimeter of the concrete slabs using the excavator bucket. Net OVA readings ranged from 0 to 2.8 parts per million (ppm) in the samples collected from the vadose zone. Four (4) soil samples from

the excavation pit were collected and submitted for confirmatory laboratory analysis. Additionally, three monitoring wells were installed and groundwater samples were collected for laboratory analysis. Based on the analysis, the samples met the Soil Cleanup Target Levels (SCTLs) and Groundwater Cleanup Target Levels (GCTLs) as defined by Chapter 62-777, FAC, respectively.

An Interim Source Removal Report was submitted in June 2021. In accordance with Chapter 62-780.680, FAC, No Further Action (NFA) without institutional controls was recommended and approved by the Florida Department of Environmental Protection (FDEP). As a licensed water well contractor, NovelE abandoned the onsite monitoring wells in accordance with the Site Rehabilitation Completion Order (SRCO).

