

# ***Renewable Energy Facility No. 2***

**West Palm Beach, Florida**

***Project of the Month***



## ***Project Overview***

Owner: Solid Waste Authority  
of Palm Beach County  
Client: Malcolm Pirnie, Inc.  
Completion Date: Ongoing

## ***Services Provided by Dunkelberger***

The project is to include the design, construction and operation of a new renewable energy facility, located immediately north of the existing waste-to-energy facility and west of Jog Road. Facilities associated with the project include a new tipping floor, refuse pit, boiler building, ash management building and an approximately 300-foot tall stack. Access roadways, truck ramps and other paved areas will be provided for vehicular traffic control. Retaining walls will be used to provide grade separation between various structures and truck ramps.

The existing landform will be raised several feet above its present condition in order to reach proposed subgrade levels for the construction. The site currently slopes down from south to north, with elevations ranging between approximately +40 feet with respect to the National Geodetic Vertical Datum of 1929 (NGVD) adjacent to the existing facility to approximately +18 feet NGVD in some of the low areas of the site. Finished Floor elevations are to range between +19 and +54 feet NGVD. Some of the building areas overlie an existing lake that will be reclaimed by earth filling. The lake backfilling will be completed by SWA forces under separate contract. Dunkelberger is providing subsurface explorations, laboratory testing and geotechnical engineering evaluations for the Renewable Energy Facility No. 2, and engineering oversight of the lake backfilling operations.

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