

# Projects

ERRG was awarded this firm, fixed-price delivery order under the Southern California 8(a) EMAC contract to implement the RA for the landfills at Sites 2 and 17 at the El Toro Marine Corps Air Station. The RA involved construction of 4-foot-thick evapotranspirative (ET) covers at the two sites. The RA construction work had special schedule constraints due to the sensitive wildlife (Gnat Catcher) present at the sites.

The overall project scope of work included generation of all applicable work plans, site preparation, clearing and grubbing, construction of the subgrade (including waste consolidation), import and mixing of more than 200,000 bank cubic yards of ET cover soils, construction of the foundation layer,



construction of the ET cover, and revegetation with native plants to establish suitable habitat for the sensitive species.

As part of the project, ERRG also provided constructability review and design support to the Navy by testing various cover

soil mixing techniques, performing additional borrow source testing and evaluations, and evaluating suitable vegetation for the ET cover. ERRG had worked closely with the Navy and its design contractor to define the appropriate soil specifications to meet the RWQCB infiltration requirements and the biological habitat growth criteria stipulated under the U.S. Fish and Wildlife Service (FWS) biological order. ERRG had collected over 200 samples representing several borrow sources and blended mixes for analysis of multiple geotechnical parameters to develop multiple options for the ET cover. ERRG also consulted with third-party landfill engineering specialists to assist in performing value engineering services directed at providing additional design and construction alternatives.

## Landfill Cover Construction, Marine Corps Air Station El Toro

### SUMMARY

**Owner**

U.S. Navy BRAC PMO West

**Location**

El Toro Marine Corps Air Station  
El Toro, CA

**Award Date**

May 2003

**Actual Completion Date  
or Projected Completion Date**

February 2009

**Award Amount**

\$9,272,526

**Final Contract Price**

\$12,877,000

**Services Provided**

Remedial Action Implementation  
Geotech Testing/Data Analyses  
Remedial Design  
Temp Facilities  
Cap Construction



**Engineering/Remediation Resources Group, Inc.**

Office Locations > Martinez, San Francisco, Los Angeles, Tustin, Seattle, Portland, Honolulu  
Website > [www.errg.com](http://www.errg.com)