

# Projects

ERRG performed a liner integrity and stability study and a leachate collection and removal system (LCAR) performance evaluation for the Las Pulgas Landfill in Camp Pendleton, California.

ERRG addressed the following three concerns:

Failure to comply with discharge specifications. In response to suspected deficiencies in the liner subgrade preparation, ERRG investigated construction documentation and existing conditions beneath the geosynthetic clay liner (GCL). A summary of findings and an evaluation of existing side slope landfill liner system integrity was submitted to the RWQCB.



Failure to submit required information. In response to a failure to submit sufficient construction documentation for the Phase I Expansion Area, ERRG prepared a final Construction Quality Assurance (CQA) Report for submittal to the RWQCB. The final CQA Report included a summary of the CQA program, as well as test results, analyses, and copies of the inspector's original field notes.

Failure to provide required certification statement. In response to a failure to provide the required certification statements, the previously submitted technical reports listed in the NOV

were resubmitted with the required certification statement. Any additional technical reports submitted to the RWQCB shall contain the required certification statement.

ERRG engineers conducted a field investigation and performed soil and geosynthetic sampling and testing to address all the concerns listed above.

## Las Pulgas Landfill Leachate Liner System Evaluation

### SUMMARY

**Owner**

Dept. of the Navy  
Southwest Division

**Location**

Camp Pendleton, CA

**Award Date**

July 2004

**Actual Completion Date  
or Projected Completion Date**

November 2004

**Award Amount**

\$77,537

**Final Contract Price**

\$77,537

**Services Provided**

Field Investigation  
Soil Sampling and Testing  
Liner Tests and Repairs  
Slope Stability Analysis  
HELP Modeling  
CQA Report  
Remedial Analysis  
Geosynthetic Sampling



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

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