

# Projects

In November 2004, ERRG entered into an agreement with the DTSC to operate the BKK Corporation Class I Haz Waste Landfill in West Covina, California. The facility consists of a closed Class I hazardous waste landfill and an inactive Class III municipal solid waste landfill. Between November 2004 and March 2006, ERRG operated and maintained the following critical facility systems:

- Landfill gas collection/migration control systems.
- Landfill gas combustion system.
- Landfill cover and irrigation systems.
- Groundwater and leachate extraction systems.
- On-site leachate treatment plant (LTP) Air, soil gas, and groundwater monitoring network.
- Site infrastructure and security.



The O&M involved 25 ERRG staff working at the facility. The ERRG team successfully integrated with the existing operations staff to ensure a smooth transition in system operation. In conjunction with the operation and maintenance of critical systems, ERRG evaluated the performance of the existing

control systems and worked with DTSC personnel to optimize and/or redesign components of the systems. System optimization and redesign tasks performed included:

- Redesign of stormwater collection and discharge system.
- LTP system effluent discharge alternatives.
- Redesign of the LTP system to increase treatment flow rates.
- Rejuvenation of closed collection wells to increase capture of landfill leachate.
- Reliability assessment of telemetry components associated with landfill gas combustion system.
- Alternate design for aboveground conveyance piping for improved reliability.
- Analyses and design of alternatives to evaluate and control ambient concentrations of vinyl chloride emissions from the landfill.

## BKK Landfill Operation, Maintenance, and System Optimization

### SUMMARY

**Owner**

State of California, Dept. of Toxic Substances Control (DTSC)

**Location**

West Covina, CA

**Award Date**

November 2004

**Actual Completion Date  
or Projected Completion Date**  
September 2005

**Award Amount**

\$2,000,000

**Final Contract Price**

\$6,000,000 (additional scope)

**Services Provided**

System O & M  
Multimedia Sampling/Analysis  
Topographic Survey  
Geotech Testing  
Facility O & M  
Community Relations Support  
Agency Interaction



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

Office Locations > Martinez, San Francisco, Los Angeles, Tustin, Seattle, Portland, Honolulu  
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