

## Santiago Canyon Landfill Closure Construction Management Services Orange, California

**Owner:**  
County of Orange

**Clients:**  
OC Waste & Recycling  
and AES

**Client Contacts:**  
Norm Watsek  
(949) 551-7110

Kris Khilnani  
(949) 379-2450

**Key Personnel:**  
Paul Buckley, P.E.

**Management Cost:**  
\$520,000

**Construction Cost:**  
\$13.1M

**Contractor:**  
Reyes Construction  
Bart Cook  
(714) 628-0166

**Completion Date:**  
August 2004

Simplus provided construction management services as a subconsultant to Advanced Earth Sciences for the \$13.1M final closure construction of Santiago Canyon Landfill for OCWR in Orange County, California.

Construction management services included managing and coordinating the efforts of a general contractor, numerous subcontractors, OCWR staff, regulatory agencies, design consultants, CQA consultants, the adjacent landowners and adjacent construction contractors.

The project involved the construction of a five-foot thick mono-cover layer over this 132-acre landfill site as well as removing and reconstructing the existing landfill gas system. Work also included site clearing and grubbing, mass earthwork excavation, grading, removal and reconstruction of landfill drainage systems, demolition and reconstruction of a 1,500 s.f. permanent field office. Permitting, coordination and communication with OCWR, LEA, Caltrans, SCAQMD, RWQCB, OC PF&RD and NROC were required.



- Earthwork Excavation – 376,000 c.y.
- Import Borrow Material – 525,000 c.y.
- Foundation Layer/Mono Fill Subgrade Prep. – 5,131,792 s.f.
- Refuse Removal and Reconsolidation – 25,000 c.y.
- Erosion Control, SWPPP and BMP's – 132 Acres
- Drilled Landfill Gas Wells – 3,325 v.f.
- HDPE and CSP Drainage Pipe – 3,767 l.f.
- Trapezoidal Drainage Channel – 5,225 l.f.
- AC Paving – 580,175 s.f.

**Simplus**