

SPECIALIZED EXPERIENCE

WASTE AND HAZARDOUS WASTE DISPOSAL

Proposed Bryan Canyon Landfill, Cupertino - Independent review of static and seismic slope stability of landfill proposed for canyon adjacent to San Andreas Fault for North Santa Clara County Solid Waste Management Authority.

IT Corporation, Panoche Facility, Benecia - Independent review for EPA and California Department of Health Services of static and seismic stability of Area 5 Landfill.

Marina Landfill Expansion, Monterey County - Consultant to EMCON Associates on potential for liquefaction and settlement and liner design.

Acme Fill, Martinez - Consultant to Harding-Lawson Associates on two-dimensional nonlinear analyses of potential deformation of fill over Bay Mud during earthquakes.

West Contra Costa Sanitary Landfill - Various roles for EMCON Associates including acting project manager, task leader for settlement and slope stability studies, consultant on design and construction of cement-bentonite-gravel slurry wall around Class I facility, consultant on investigation of an existing subsurface barrier. Final static and seismic analyses for Class II facility.

Kettleman Hills Landfill Unit B19 - Consultant to attorneys Ware & Freidenrich on causes of failure of lining system.

Puente Hills Canyon 9 and Calabasas Landfills for County Sanitation Districts of Los Angeles -in association with Herzog Associates conducted three-dimensional limit equilibrium and two-dimensional finite element stability analyses of lined landfills.

Junipero Serra Landfill, Colma - Review of site response and seismic slope stability of closed landfill proposed for commercial use.

New Palmdale Landfill - Advanced static and seismic stability analyses of new lined landfill adjacent to San Andreas Fault.

Mare Island Landfill - Consultant to Chow Engineers and TetraTech on static and seismic slope stability evaluations.

Yucca Mountain Nuclear Waste Repository - Member of Seismic Advisory Panel (with J.C.Stepp, C.A.Cornell, R.P.Kennedy and C.A.Costantino).

Kate Valley Landfill, Christchurch, New Zealand – Consultant and expert witness for Canterbury Too Good to Waste on litigation before the Environment Court of New Zealand regarding siting of a modern lined landfill in a highly seismic area.