

Project: Altamont Landfill and Resource Recovery Facility
Alternative Final Cover Design – Fill Area 1 Partial Unit 1 and Unit 2

Location: Alameda County, California

Client: Waste Management

Duration: 2007 – 2008

Regulatory Authority: California Regional Water Quality Control Board and Integrated Waste Management Board



Project Description: Applied Soil Water Technologies, LLC teamed with Dwyer Engineering, LLC, performed an alternative final cover (also known as an evapotranspirative cover) design for the Altamont Landfill and Resource Recovery Facility (ALRRF) in Alameda County, California. The ALRRF is a major regional landfill in the East Bay area of California.

Work included a borrow source investigation, laboratory testing to support cover design, evaluation of existing covers, a natural analog study, unsaturated modeling, discussions with the regulatory authorities and preparation of a report for presentation to the regulatory authorities.

The project resulted in the design being approved for incorporation into the next phase of permanent closure. The design was approved for inclusion into the most recent renewal of the facilities Waste Discharge Requirements.

Approval of the alternative final cover in place of the prescriptive cover has the additional benefits of being environmentally sustainable and cost savings to the owner.

