



Central Maui Landfill Gas Flare & Control System Installation, Maui, Hawaii

Project Profile

Background

The Central Maui Landfill is a publicly owned and operated landfill receiving approximately 800 tons per day of municipal solid waste. It had surpassed the waste-in-place thresholds that trigger requirements for the installation and operation of a landfill gas collection and control system.

DEI Scope of Work

DEI was hired to:

Provide comprehensive project management services to ensure compliance with applicable rules and regulations in a manner that maximized collection and control efficiency of landfill gas.

DEI Team Activities

- Performed an evaluation and projection of quantity and quality of landfill gas;
- Designed a landfill gas collection and flare system for current and planned cells;
- Prepared Title V air permit applications and NSPS WWWW reports;
- Managed coordination and communication with the EPA regarding the installation of the collection and control equipment;
- Prepared capital cost estimates for the installation of equipment, along with bid packages that included equipment, material and construction specifications;
- Managed the bidders' process including the bidders' conference, requests for information; evaluation of the bids; and
- Managed construction and installation activities including oversight of well drilling and pipe installation, quality control assessments of the flare during the manufacturing process, oversight of flare and skid installation and system start up.

Results

The report was well received by the County and they are moving forward with the report's recommendations and with a RFP for third party development of an energy recovery facility.