



## Case Study

# Central Maui Landfill Gas Flare & Control System Installation

### Background

Operated by the County of Maui, Hawaii, the Central Maui Landfill receives approximately 800 tpd of municipal solid waste. It surpassed the waste-in-place thresholds that triggered requirements for the installation and operation of a landfill gas collection and control system.

### DEI Scope of Work

DEI was hired to provide comprehensive management services to design, permit and construct a gas collection system that complied with applicable rules and regulations, and maximized collection and control efficiency of landfill gas.

### DEI Tasks

DEI was responsible for the following:

- 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
- 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

- Applicable permits were received
- Landfill Gas Blower Skid and Flare and Equipment and Collection System Installation RFP's were developed and distributed
- Installation of the collection and control system and equipment was completed in 2008
- The system is in full operation and the site is in compliance with state and federal regulations

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