



Toland Road Landfill, Santa Paula, California

Landfill Gas System Upgrades

Project Profile

Background

DEI was hired by the Ventura Regional Sanitation District to assist in reviewing the current status of the collection system and bring them into compliance with applicable rules and regulations.

DEI Scope of Work and Team Activities

- Evaluate the existing collection system;
- Make recommendations to bring the collection system into compliance.
Recommendations included:
 - Installation of additional vertical collection wells to increase collection efficiency
 - Upgrade capacity of blower system to manage anticipated landfill gas flow
- Manage the design and installation of approximately 109 additional vertical collection wells, including:
 - Preparation of Request for Proposal (RFP) documents
 - Conduct bid and assist VRSD in the evaluation of bids
 - Provide construction management for the installation of wells
- Designed and managed the installation of the Inlet Blower System including:
 - Detailed design of the blower system
 - Equipment procurement:
 - Preparation of RFP documents
 - Conduct and evaluate bids
 - Equipment Installation
 - Civil and Structural design to support interconnection and equipment installation
 - Preparation of RFP documents and specifications
 - Conduct and evaluate bids
 - Provide construction management including:
 - Site Preparation
 - Equipment delivery and installation
 - Start Up and Commissioning

Results

All wells and the new inlet blower system were successfully installed over the course of 2014 and 2015. The site has increased its overall LFG collection flow rates and is currently in compliance with all applicable rules and regulations.



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