



Case Study

Transfer and Recycling Facility – Odor Control

Background

This transfer and recycling facility processes 5,000 tpd of waste through direct transfer, single-stream line and MSW sorting in Anaheim, CA. The facility was required to select and install equipment, and perform building improvements to minimize odors from its municipal solid waste transfer station and material sort line operations.

DEI Scope of Work

DEI was hired to (1) work with the local air district to ensure potential equipment and project options would satisfy requirements; (2) assist in selecting equipment and technology; (3) oversee the project design efforts; and (4) manage the permitting, construction and installation of the selected equipment and building improvements.

DEI Tasks

DEI was responsible for the following work tasks:

- Performed an analysis of the originally-planned alternative technology
- Estimated capital and operating costs and the anticipated space requirements
- Researched other odor control equipment systems that had proven track records at similar facilities
- Performed preliminary cost/benefits analyses for potential systems and recommended the selection of the best system for the facility
- Served as communications liaison between the regulatory agency and the facility owner regarding plans and permitting
- Prepared detailed capital and operational cost estimates, preliminary design, equipment and construction specifications, and issued a request for proposal to qualified bidders
- Managed the bid process, coordinating bidder conferences, responding to questions and requests for information, and preparing detailed evaluations of qualified responses for consideration by the client
- Prepared and managed project control systems and schedules to ensure the project stayed on time and on budget
- Worked extensively with equipment suppliers and contractors to resolve cost and schedule issues as they arose
- Provided construction management services for the installation of doors, building enclosures and equipment

Results

- After research and analysis, DEI found the alternative technology the facility originally planned on using was not proven for the application and that the costs and space requirements were prohibitive.
- The project was successfully complete with approvals from the air district, and the odor control system is currently operational.

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