



SUPERFUND SITE MANAGEMENT

CASE STUDY

PROJECT OVERVIEW

Project Name: Casmalia Resources Superfund Site

Location: Casamalia California

Job Type: Operations, Maintenance, and Construction

DESCRIPTION

In its sixteen years of operation from 1973 until 1989, the 252-acre Casmalia Resources Superfund Site operated as a commercial hazardous waste management facility. During that time the facility received over 5.6 billion pounds of waste. The site contains approximately 300 chemicals of concern, including VOCs, SVOCs, and Inorganics impacting site soils, groundwater, surface water, and pond sediments. The site contains approximately 300 chemicals of concern, including VOCs, SVOCs, & Inorganics. In 2001, The inoperative facility was placed on the National Priorities List by the Environmental Protection Agency.

Under active EPA oversight, E & E Construction was contracted to perform all operations in compliance with RCRA and CERCLA regulations, to include: subsurface liquids extraction, non-aqueous phase liquids (NAPL) separation and disposal, liquids treatment, site monitoring, maintenance of roadways, landfill cover systems, site storm water control systems, and wetlands management.. The annual budget for site operations and maintenance is approximately \$1MM.

MAIN TASKS

- Landfill leachate containment, collection, and disposal
- Maintenance of all groundwater extraction & treatment systems
- Fluids management associated with all active retention basins
- Wetlands management
- Continuous maintenance of all storm-water mitigation, Best Management Practices (BMP's) throughout the Site Property
- All regulatory compliance monitoring and reporting
- Maintenance of roadways and landfill cover systems
- Field support associated with site investigation activities
- Health and Safety management and supervision



CHALLENGES

Oversight: The project presents considerable challenges in regard to oversight and involvement of several concerned agencies and stakeholders. The EPA, The Department of Toxic Substances Control, The Regional Water Quality Control Board, the California Department of Fish and Wildlife Services and the surrounding community all have particular involvement. E&E works earnestly with the steering committee to ensure every effort is made to achieve comprehensive regulatory compliance and meet the needs of all involved parties.

INTERESTING POINTS

The Casamalia Resources Superfund Site is situated amongst the scenic foothills of the Central California Coast. Since the closure of the hazardous waste management facility, the surrounding area has experienced great growth and development. The site is surrounded by several farms and ranches, ponds, and vegetation. This rich environment serves as a habitat for several sensitive and protected species including: California red-legged frog, California tiger salamander, western spadefoot toad, two-striped garter snake, coast horned lizard and American badger. E&E takes extraordinary care to protect the surrounding environment, residences, and wildlife from waste contamination..

ABOUT E&E CONSTRUCTION

Engineering and Environmental Construction (E&E) was founded in 2006 with a primary focus on the installation of environmental remediation systems. Over the years, we've continually expanded our skill-sets to become one of the industry's leading purveyors of full-service construction services – both within the environmental industry and in general construction. Today, we are proud to offer a wide range of highly specialized environmental engineering capabilities and a full-suite of general construction services to support our clients' ever-evolving needs.



STATEMENT OF QUALIFICATIONS

Engineering and Environmental Construction, Inc (E&E) is a privately held corporation established in 2006. E&E's main construction offices are based in Huntington Beach, CA. We are licensed to conduct operations throughout California, Arizona, Nevada, and Washington.

Contractor Licenses and Certifications Include (but aren't limited to):

- Class A General Engineering License
- B General Building License
- C-10 Electrical License
- C-36 Plumbing License
- Hazardous Substances Removal License
- Annual OSHA Excavation & Trenching Certification
- Remedial Action Certification
- SCAQMD Rule 1166 – Various Locations Permit

E&E is recognized as an SBE with many entities, such as the DGS, and we are also pre-cleared by Homeland Security for access to ports and military installations. We maintain a Zero Incident Safety Record and a 0.78 Experience Modification Rate (EMR), among other H&S recognitions.

CONTACT US

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