

Projects

ERRG was responsible for all phases of construction for this treatment system at a former chemical manufacturing facility located in Newark, California. The groundwater/soil vapor extraction and treatment system was designed for remediation of an area where soils and groundwater were impacted by volatile and semi-volatile organic compounds, including ethylene dibromide and 1,2-dichloroethane. The



project included site preparation; excavation and trenching; backfilling and paving; construction of concrete equipment pads; and installation of mechanical equipment, piping, fittings, and valves, followed by system start-up and maintenance efforts. The major system

components installed by ERRG during the project included a steam boiler, an air/water separator, a condenser, extraction blowers, an oil/water separator, a venturi air stripper and a catalytic oxidation system. The treatment system is configured to process soil vapor from 70 vapor extraction wells, and 50 groundwater extraction wells.

ERRG excavated trenches through areas of contamination and installed horizontal extraction piping and risers, as well as the steam injection piping and DPE well head completions. Close coordination with the many subcontractors was required to ensure that critical path items were accomplished and the project remained on schedule. ERRG's engineers, superintendent and technicians also worked closely with FMC's design consultant to provide constructability feedback as the project progressed as well as recommendations for design modifications. The system construction was completed under budget and within 15 weeks of the start of field activities.

Dual-Phase Extraction and Steam Injection Remediation System Installation

SUMMARY

Owner
FMC Corporation

Location
Newark, CA

Award Date
August 2002

**Actual Completion Date
or Projected Completion Date**
January 2003

Award Amount
\$565,972

Final Contract Price
\$626,000 (additional scope)

Services Provided
Treatment System Design
Treatment System Installation
System O & M



Engineering/Remediation Resources Group, Inc.

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