



MATTHEW A. ROSMAN, PROJECT ENGINEER

EDUCATION

B.S., Environmental Engineering, Montana Tech of University of Montana, 1998

CERTIFICATIONS

40-hour HAZWOPER trained with annual 8-hour refresher
First-aid and CPR certified

EXPERIENCE OVERVIEW

Mr. Rosman has more than eight years of experience in the fields of environmental consulting - including investigations, remediation, permitting, and construction management. Project experience includes Phase I/II environmental site assessments, design and implementation of soil and groundwater remediation systems, and landfill closures. Mr. Rosman brings a combination of technical knowledge with construction experience responsibilities have ranged from

REPRESENTATIVE PROJECTS AND RESPONSIBILITIES

Former Hazardous Waste Landfill Closure; Martinez, California: Mr. Rosman, working in the role of field engineer, oversaw construction activities related to the closure of a former hazardous waste landfill. Mr. Rosman performed construction QA/QC duties and field observation for activities that included construction of a slurry wall; construction of a groundwater extraction trench; construction of a lined evaporation basin construction; placement, grading and compaction of foundation layer; installation of impermeable synthetic liners including geocomposite liner (GCL) and high-density polyethylene (HDPE); and installation of a soil vapor collection system.

Former Municipal Waste and Construction Debris Landfill Closure; Brisbane, California: Mr. Rosman, working in the role of field engineer, oversaw construction activities related to the closure and redevelopment of a former 131-acre municipal waste and construction debris landfill. Mr. Rosman performed construction QA/QC duties and field observation for activities that included unearthing and re-burying of waste; placement and compaction of foundation, clay, and fill layers, installation of underground utilities; and installation of concrete and steel piles related to building foundations.

Former Municipal Waste and Hazardous Waste Landfill Closure; Pittsburg, California: Mr. Rosman, working in the role of construction manager, managed and oversaw construction activities related to the closure of an 88-acre former municipal waste and hazardous waste landfill. Site activities included site grading; placement, and compaction of foundation, clay, and vegetative layers; installation of GCL;



construction of a surface water detention pond; construction of earthen v-ditch; and hydroseeding landfill slopes. Mr. Rosman interacted with design engineers, contractors, and QA/QC personnel to ensure that work progressed according to plans, according to schedule, and in a safe manner.

Soil Excavation and Disposal, Pleasanton; California: Mr. Rosman oversaw and managed the excavation of diesel-impacted soil related to the operation of a former rail spur. Excavated soil was stockpiled onsite then loaded into end-dump trucks for transport and disposal as Class II waste. Using a field petroleum test kit, Mr. Rosman was able to minimize work stoppages and reduce costly testing of laboratory confirmation samples by determining remaining impacts to soil in the field.

Tanker Fuel Spill Remedial Action; Lakeport, California: Mr. Rosman, in collaboration with others, designed and implemented a dual-phase remediation system to address a 2,500-gallon gasoline spill along a major highway. Implementation of the system involved the horizontal directional drilling and installation of HDPE pipe below the highway to connect system downgradient extraction point to the remediation compound. Mr. Rosman was instrumental in working with CalTrans to obtain the necessary permits and address concerns. Mr. Rosman was involved in all steps on the project from investigation and design to working with various subcontractors and overseeing system installation.

Dual-Phase Remediation System Installation; San Jose, California: Mr. Rosman completed a design of a dual-phase remediation system to address subsurface impacts on behalf of a major oil company. Mr. Rosman obtained all necessary permits, including authority to construct and NPDES. Mr. Rosman managed all aspects of construction, including, subcontractor bid procurement, subcontractor selection, and construction oversight.

Phase I Environmental Site Assessments (ESA); Various locations: Mr. Rosman has completed dozens of Phase I ESA projects all over the San Francisco Bay Area. Subject properties have included industrial, commercial, and residential development. Mr. Rosman understand the significance of Phase I ESAs to the property transaction process and strides to complete them in a timely manner to ensure the transaction process moves smoothly.

Phase II Environmental Site Assessments (ESA); Various locations: Mr. Rosman has completed dozens of Phase II ESA projects all over the San Francisco Bay Area. Investigations have included the collection of soil and groundwater samples using methods that included, potholing with excavation equipment, hand auguring, and drilling with direct-push technology. Subject properties have included service stations, chrome plating facilities, and various commercial/industrial properties.



Groundwater Monitoring and Reporting; Various locations: Mr. Rosman has managed all aspects of groundwater monitoring and reporting for numerous environmental sites. Mr. Rosman's involvement included field work, report preparation, and uploading of documents to the State of California Geotracker database.

Ozone Remediation of Groundwater; Various locations: Mr. Rosman has implemented ozone injections systems at several sites in order to remediate hydrocarbons in groundwater. Mr. Rosman has managed all aspects of ozone injection system installation, including, permitting, installation of ozone injection wells, and connection of ozone-delivery tubing. Mr. Rosman has been able to save money for clients by implementing ozone remediation versus other remediation technologies (i.e. groundwater pump and treat, AS/SVE) due to the reduced equipment costs, reduced installation costs, and elimination of various permitting requirements.