



PHOENIX ENGINEERING

211 N. Grand Ave., Suite A, Bozeman, MT 59715
(406) 586-3748 FAX (406) 586-8437
email: tim@bridgerphoenix.com

STATEMENT OF QUALIFICATIONS

Phoenix Engineering is a Montana owned environmental consulting firm offering services that insure compliance with federal, state and local regulations regarding emergency response, environmental assessment, remedial investigation, monitoring, containment, and cleanup activities. In addition to environmental investigation and design services, Phoenix offers general contracting services for the installation and modification of soil and ground water remediation systems and underground and aboveground storage tank systems.

Phoenix Engineering operates throughout the western United States from its Bozeman, Montana office. Phoenix retains specialized scientists, industrial health consultants, and legal professionals to provide a broad range of environmental services. The firm's areas of expertise include:

- Environmental Engineering
- Environmental Site Assessments
- Hazardous Materials Management
- Industrial Facility Compliance Audits
- SPCC Plans
- Environmental Site Permitting
- Environmental Remediation Design
- Petroleum Storage Tank Services
- Emergency Response Capabilities
- General Contracting

Environmental investigations, including emergency response, site assessment, contaminant identification, containment and removal, and complete site remediation services have been successfully performed by Phoenix Engineering staff at over 350 sites for industrial, military, commercial, institutional, agricultural and residential clients. Phoenix personnel have been involved in designing and constructing fueling facilities for airports, utility companies and industrial and commercial clients since 1989. The goal of Phoenix Engineering is to provide our clients with innovative cost effective solutions to regulatory issues and to provide defensible data that will minimize risks associated with potential third party liability.

Phoenix Engineering was established in September 2007 by Tim Marcinko, P.E. following the dissolution of his former company RAM Environmental, LLC. Tim Marcinko was co-owner and principal engineer of RAM for 12 years. RAM Environmental was created in July 1995 when it purchased the environmental, mechanical, and construction divisions of Matney-Frantz Engineering, P.C. Tim Marcinko had a total of 8 years acting as project engineer and manager with the Matney-Frantz team.

Tim R. Marcinko, P.E.

Licensed Environmental Engineer: Montana 9458 PE

Certified Environmental Specialist: Environmental Assessment Association

OSHA 29 CFR 1910.120 Hazardous Waste Operations Trained

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Tim R. Marcinko, P.E. Senior Engineer

Education

- B.S., Mechanical Engineering, Montana State University, Bozeman, MT, 1987

Professional Designations

- Licensed Environmental/ Mechanical Engineer: Montana 9458 PE
- Certified under the OSHA 29 CFR 1910.120 Hazardous Waste Operations and Emergency Response standards for supervising the cleanup of hazardous waste sites
- Certified Environmental Specialist: Environmental Assessment Association
- Awarded Top Secret (Q) Security Clearance by the US Department of Energy while working for Lawrence Livermore National Laboratory (6/86)

Employment Experience

- Principal Owner and Principal Engineer of Phoenix Engineering (9/07 -)
- 12 Years as Principal Owner and Principal Engineer with RAM Environmental, LLC (Dissolved 2007)
- 8 Years as Project Engineer with Matney-Frantz Engineering., PC (8/87 - 6/95)
- 7 years of construction experience as general contractor/carpenter

Areas of Expertise

Environmental Assessment and Environmental Engineering

- Inspected, assessed, investigated and remediated commercial, industrial, military and agricultural properties throughout the northwestern United States since 1987.
- Conducted a MEPA Environmental Assessment of a ranch on behalf of a client's bond application to the Montana Board of Investments for the construction of a youth camp for disadvantaged youth.
- Assisted clients in their compliance with CERCLA¹ liability and SARA² "Innocent Landowner Defense" due diligence and appropriate inquiry requirements through an evolving set of standards and protocols.
- Developed and modified company assessment protocols to comply with some of the following standards: 1989 Federal Home Loan Bank Board "Thrift Bulletin 16"; 1990 Resolution Trust Corporation "Environmental Guidelines and Procedures Manual"; American Society for Testing Materials (ASTM) "Transaction Screen Process" standard E1528-93 and its more detailed "Phase I Environmental Site Assessment" Standards E1527-93 with revisions in 1994, 1997, 2000, and 2005; and EPA 40 CFR 312 November 1, 2005 "Standards and Practices for All Appropriate Inquiries".
 - Wrote comprehensive Phase I Environmental Site Assessments (ESA) Reports in accordance with ASTM standards.
- Served as Project Engineer for Phase I, II, and III investigations of RCRA and CECRA hazardous waste facilities. Tasks included:

¹ Comprehensive Environmental Responsibility, Compensation and Liability Act (CERCLA)

² Superfund Amendments and Reauthorization Act (SARA)

- Conducting all negotiations with regulatory agencies
- Sampling for contaminant characterizations
- Coordinating: permitting and manifesting operations, on-site storage and handling off-site transportation and disposal, and on-site remediation.
- Writing comprehensive Environmental Investigative Reports, Work Plans, and Corrective Action Reports in accordance with EPA and ASTM standards.
- Conducted field investigations of soil and ground water sites contaminated with dioxins, chlorinated solvents, wood treatment solutions, pesticides, petroleum products, and metals under the review of the Montana Department of Agriculture and Department of Environmental Quality Divisions in Montana, Wyoming and Oregon.
- Supervised the decommissioning and closure of petroleum storage tank facilities in compliance with federal and state regulations.
- Completed site-specific mechanical designs and specifications of integrated remedial systems for contaminated soil and ground water. Designs include various in-situ options such as free product recovery, hydrocarbon recovery via vapor extraction, ground water sparging, and bioremediation enhancement.

**Design,
Supervision &
Construction
Experience of
Mechanical and
Energy Systems**

- Provided complete construction, design and supervision services for complex building retrofit projects involving major structural alterations, architectural enhancements, and mechanical and electrical modifications.
 - Provided complete project coordination and supervision throughout construction including design, preparation of plans, specifications and contract documents; contractor negotiations and change orders; on-site inspections; and time and cost budgeting.

**Energy
Management,
Conservation
and Systems
Designs**

- Provided clients with energy systems management and conservation programs to reduce their energy demands and improve building system efficiencies. Services included:
 - Data acquisition of important building parameters
 - Complete analysis of existing building systems for energy loss utilizing computer modeling
 - Design of energy conservation measures based on cost/payback analysis
 - Preparation of Technical Assistance Reports under the US DOE Institutional Building Grants Program (IBGP).
- Provided trouble-shooting, modifications design and construction supervision services for retrofits of commercial HVAC systems.
- Coordinated the design and modification of existing building heating systems with environmental regulations governing asbestos thermal insulating systems and underground and aboveground fueling systems.

**Facility
Compliance
Audits**

- Prepared Spill Prevention, Control and Countermeasure (SPCC) Plans for industrial facilities and aboveground bulk fuel storage facilities to meet all federal and state regulations insuring protection of the environment and all navigable waterways.
- Conducted facility inspections of industrial facilities in order to achieve compliance with a diverse set of environmental and safety regulations.