

Razi Quraishi, RG, CEG

Principal Consultant

PARTNER

Education

M.S., Geological Engineering, University of Arizona

Post Graduate Studies, Hydrogeology and Geological Engineering, Purdue University

M.S., Physics, University of Karachi

B.S., Geology, Physics, and Mathematics, University of Karachi

Certifications

OSHA Hazardous Waste Training (29CFR1910.120)

Registered Geologist—License No. 7209, California

Certified Engineering Geologist—License No. EG 2234, California

Registered Professional Geologist—License No, 499, Georgia

Licensed Professional Geologist—License No, 196-001028, Illinois

Mr. Quraishi has over 25 years of diversified project management, hydrogeology/geological engineering experience in civil, hazardous and solid waste sites, water resources and environmental projects. Throughout Mr. Quraishi's professional career, he has successfully managed and directed projects in terms of responsiveness to client needs, cost effectiveness, acceptance of deliverables by regulatory agencies, and adherence to project schedule. He has diverse experience working with teams of multidisciplinary professionals.

Applicable Responsibilities:

- Responsible for all technical activities associated with Remedial Investigations/Feasibility Study (RI/FS) implementation, site investigations (SI), and remedial action (RA). Provided technical direction toward implementation of the scope of work. Prepared quality assurance technical manuals and implemented quality assurance standards on data collection, analysis and report preparation. Responsible for producing high quality technical deliverables.
- VES System management/Principal Geological Engineer/Hydrogeologist for ARCO Products Co.'s site assessment/remediation project in Los Angeles, California. Evaluated hydrogeologic parameters for design of vapor extraction. Prepared a detailed remedial work plan (RWP) for full remediation of the site using a Vapor Extraction System (VES). Activities involved evaluating VES availability in the market and selecting the best system available for this site. Also, decided on the number and location of the extraction wells and the routing of the extraction.
- Senior Project Hydrogeologist and Environmental Engineer. Mr. Quraishi served as an environmental engineer for various site assessment projects, evaluated field hydrogeological data, prepared and reviewed contaminated assessment reports, and formulated remediation strategies for halogenated volatile organics (trichloroethene, tetrachloroethylene, carbon tetrachloride, chloroform) and petroleum hydrocarbon (benzene, toluene, ethylbenzene) contamination.
- Mr. Quraishi also directed a site assessment project for an industrial chemical company in Carson, California at an abandoned hazardous waste site. For this project he supervised groundwater investigation programs; evaluated aquifer characteristics and designed surface water and groundwater monitoring and sampling programs; and prepared the site assessment and remediation report.
- Assessed viable solid and groundwater remediation alternatives to treat deep seated heavy metals and volatile organic contamination.

Specialties:

- Planning, supervision, and coordination of EPA projects including RCRA, CERCLA, NEPA/CEQA programs and permitting
- Project/technical management, environmental planning, report preparation, client presentations and regulatory agency interaction
- Hazardous and solid waste management including hazardous and solid waste landfills, hydrogeologic and geotechnical assessment of sanitary and hazardous waste landfill and closure plans
- Underground storage tank investigations, remediation programs, and closure plans
- Soils and Groundwater Plume remedial design and implementation
- Environmental audits and Phase I and II site assessment
- Seismic investigation and earthquake parameters
- Construction and engineering geology/geotechnical engineering

Project Experience:

- Managed a full-scale VES for a site in Riverside County, California for the removal of gasoline in the soil. The work involved VES modification as needed to improve the effectiveness of the remediation process. In situ bioremediation conditions were also evaluated to facilitate biodegradation of gasoline because of the ongoing vapor extraction activities.
- Conducted more than 25 environmental assessments for sites contaminated by petroleum hydrocarbons, solvents, herbicides, and pesticides for Metropolitan Water District of Southern California. Developed the work plans for NEPA/CEQA and SI Supervised site investigations and prepared progress status reports and final site assessment reports. Also participated in the development of the remedial action plan and negotiated with State of California regulatory agencies for its implementation.
- Mr. Quraishi's hazardous and industrial waste experience included RI/FS, CERCLA and RCRA regulatory requirements, preparation of deep well sites, selection, and design of injection and extraction wells systems, permitting and negotiations with regulatory agencies, environmental audits, closure plans, and operations evaluation.
- Mr. Quraishi's remedial action experience included a composite soil/synthetic membrane landfill cover, surface drainage control for a landfill site in both Bakersfield and Torrance, California.
- Senior Project Hydrogeologist for the site assessment and remedial investigations project at an abandoned hazardous waste site in Southern California. Supervised groundwater investigation programs, evaluated aquifer characteristics, and designed groundwater monitoring and sampling programs. Also participated in the preparation of the hydrogeologic portion of the remedial investigation report of a selected uncontrolled hazardous waste in Southern California.
- Served as Senior Project Geological Engineer for Imperial's Class I waste disposal facility in Westmoreland, California. Included complete characterization of geotechnical and hydrogeologic parameters for the evaluation of the landfill design.
- Supervised the site assessment, implemented environmental sampling programs and designed vapor extraction, and a groundwater extraction/treatment/discharge system at the Westwood Gateway project in Santa Monica.
- Prepared contamination assessment and remediation design reports for the U.S. Air Force and an industrial complex in Southern California.