



Enpro Solutions, Inc.

**Site Remediation, Environmental Compliance, Accidental Release
Prevention, Emergency Preparedness, Process Engineering**

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Enpro Solutions, Inc., Dublin, California

Who we are!

- Environmental engineering firm serving the DOD, DOE, Municipalities and Chemical/Food/Energy/Manufacturing Industries.
- Founded in 1998 by Mac Qadir, MS CHE, PE with 23 years experience in industry and consulting.
- Environmental and process engineering, remediation, environmental compliance, process safety, design and construction.
- Centrally located in Dublin, California near San Francisco, San Joaquin County and Sacramento areas.
- 8a-Certified firm, a State of California-Certified Small Business, and a Minority Business Enterprise (MBE).



Enpro Solutions, Inc., Dublin, California

Our Mission

- **Enpro's mission is to help our clients manage risk and operate safely while safeguarding the environment. We deliver responsive service and quality engineering.**



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What We Do

- **Site remediation and restoration:** Site assessment, fate-and-transport modeling, risk assessment, remediation system design, O&M and closure.
- **Risk management, release prevention and emergency preparedness:** Risk Management Plans (RMP), CalARP, SPCC, SW3P.
- **Environmental Compliance and Permitting:** Environmental audit, P2, facility closure. Air, water, industrial, AQMD, APCD, NPDES permits.
- **Process engineering and process safety:** Water treatment, emission control, process trouble-shooting, process hazard analysis including HAZOP/What-If studies.
- **Fuel Systems:** UST and AST system design and specification
- **Engineering and project management:** Planning, scheduling, feasibility studies, life-cycle cost estimates, conceptual and detailed design (PFDs, P&IDs, 1-line diagrams, control system schematics, civil plans & specs), bid documents and procurement assistance.
- **Construction:** Remediation equipment installation, startup, decommissioning, well installation/abandonment.
- **NAICS Codes:** 541330, 541611, 54618, 541620, 562910, 611430



Remediation and Process Technologies

We design and specify systems using state-of-the-art remediation and process technologies:

- Ground water pumping.
- Dual-phase extraction.
- Soil vapor extraction.
- Air sparging.
- ORC-injection.
- Bio-remediation.
- Activated carbon.
- Thermal/catalytic oxidation.
- Chemical oxidation.
- Air stripping.
- Ozone treatment.
- Ion exchange and reverse osmosis.



Our Team!

- **Principal:** Mac Qadir, MS ChE, PE, General Engineering Contractor (A) - Project Management, environmental compliance, process engineering and design, site assessment, risk assessment, remediation
- **Associate:** Chris Palmer, RG, CEG – Geology, contaminant hydrogeology, site investigation, ground water modeling
- **Associate:** Jay Carpenter – General contractor (A and B) licenses, construction, UST removal, remediation system installation and troubleshooting, decommissioning.
- **Associate:** Melinda Evett - Accounting and administrative support.
- **Qualified Subcontractors:** Civil/control system engineers, laboratories, drillers and environmental technicians.



Licenses and Certifications

- California Professional Engineer's License CH4767
- General Engineering Contractor (A) with Hazardous Substance Removal Certification. California Contractors License No. 750661.
- SBA 8a-Certified
- California certified small business
- CPUC certified MBE



Representative Clients

- Chemical plants - Praxair, Inc.
- Food processing - Ito Cariani, Inc.
- Geofon, Inc. (Prime to DOD - Edwards Air Force Base)
- Weiss Associates (Prime to DOE – LLNL, ERD Site 300)
- Municipalities - City of Union City
- Property transactions and Brownfields - First Baptist Church of Pittsburg.



Representative Projects

- **Soil and Ground Water Remediation, South San Francisco:** Ongoing turnkey remediation of a large, complex industrial site with multiple contaminants - primarily acetone and gasoline components - and challenging geology. RI,FS,RAP, risk assessment, fate & mobility modeling, O&M, decommissioning.
- **Remedial Action Plan, Sacramento, California:** UST-fund site. Remedial alternative evaluation, RAP, conceptual design ground water and vapor extraction.
- **Firing Range Remedial Alternatives Evaluation, at a Naval air station, Northern California –** Evaluated remedial alternatives for excavating and treating lead and copper containing soils at a 3-acre gun firing range.
- **Boiler Feed Water Treatment, softening hard water - Central Valley:** Feasibility study, reverse osmosis and ion exchange. Bid documents, obtained and evaluated bids.

Catalytic/thermal oxidizer



Checking vapor flow rates



Excavating contaminated soils



Representative Projects (continued)

- **Process Engineering and Technical Support on Multiple Remediation Systems Santa Clara Valley:** Troubleshoot and optimize PLC-controlled ground water treatment with air stripper and carbon system operations.
- **Environmental Audit,** Food Processing Facility, Hayward, California
- **Risk Management Plan (RMP)** Ammonia Refrigeration System, Hayward, California - USEPA's RMP Program, CalARP and OSHA's PSM standard. PHA.
- **RMP Industrial Gases Facility,** Pittsburg - liquid hydrogen, ammonia, chlorine and flammable gases. USEPA's RMP Program, CalARP and OSHA's PSM standard. HAZOP.
- **Base-wide Cal-ARP Program Audit,** Edwards Air Force Base, California – Subcontract with Geofon.

Backfilling excavation



Collecting Soil Gas Samples



Logging soil samples



Representative Projects (continued)

- **SPCC and SW3P** at chemical plants and a SPCC at food processing plant.
- **Phase I and Phase II Site Assessments** – Pittsburg. Enabled a community church to acquire a large 3.7-acre "brownfields" property.
- **Underground Storage Tank Replacement** - System commissioned on time and within budget.
- **Environmental Closure, Underground Storage Tank**, Union City, California.

Newly installed UST awaiting final inspection



Double contained fuel piping



Why Select Enpro?

- Client focus: You are our top priority!
- Expertise: Experienced Principal and Associates with advanced degrees, professional registrations and track record.
- State-of-the-art Technology: We design and specify systems using the latest remediation and process technologies.
- Professional Project Management: WBS, cost control; budget and schedule tracking.
- Quality Assurance: Peer review and QA/QC professional work products. Engineering standards, specifications, regulatory guidelines.
- Culture of Safety: Zero incidents since starting up eight years ago. 40-hour and 8-hour (OSHA 29CFR1910.120) health and safety training. Site-specific health & safety plans.



Call us!

We look forward to helping you with your engineering and environmental, health and safety compliance needs. See our web site for additional information at www.enpro solutions.com.

Contact Mac Qadir, PE. phone: 925-803-8045, email: qadir@enpro solutions.com.



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