

Martha Garcia Harkins, P.E.

Education/License/Affiliations

- Rice University – Houston, TX
 - Bachelor of Science – Chemical Engineering – 1984
- Licensed Professional Engineer – State of Texas
- Member – American Institute of Chemical Engineers

Technical Specialties

Chemistry ■ Process Engineering ■ Solid Waste/Remediation ■ Fluent in spoken/written Spanish

Professional Experience

- **Entrix, Inc., Houston, TX – Environmental Engineer/Consultant (Part-Time/Contract)**
 - Translated letters, proposals, and documents to and from Spanish.
 - Analyzed and tabulated field data; recommended actions based on data analyses.
 - Edited, reviewed, and compiled final client reports.
 - Assisted with sampling design, protocol, and quality assurance.
- **Malcolm Pirnie, Inc., Houston, TX – Environmental Engineer/Consultant**
 - Developed and performed Environmental Impact Studies, Field Assessment Plans, and Remediation Plans for contamination assessment from leaking underground gasoline storage tanks at gasoline stations throughout southern Texas.
 - Contracted, organized and oversaw drilling crews, field personnel, and decontamination crews at several gasoline stations and surrounding properties.
 - Negotiated with surrounding private property owners for access rights for contamination assessment drilling and decontamination of their property.
 - Worked closely with the analytical laboratories to maintain proper sample protocol and quality assurance.
 - Prepared and edited all associated reports and data tables.
- **Rohm & Haas Texas, Inc., Deer Park Plant – Process & Chemical Engineer**

Within the Environmental Department:

 - Specialized in RCRA Solid Waste regulations and compliance in associated projects.
 - Managed the decontamination and restoration of two RCRA sites on the Rohm & Haas property, working closely with state and federal regulators, and with contract employees and laboratories.
 - Audited for Environmental, Health & Safety compliance, companies throughout the USA that provided services for Rohm & Haas. Made contract recommendations based on the audit results.
 - Conducted bilingual Internal Environmental, Health & Safety Compliance Audits at Rohm & Haas chemical plants located in Texas and throughout Latin America.
 - Negotiated solid waste permits with various Texas state environmental agencies and with the Federal EPA.

Within the Process Engineering Department:

- Responsible for all chemical and process engineering in four units that produced Hydrogen Cyanide and in two units that produced Acetone Cyanohydrin.
- Performed computer air modeling of cyanide, acetone, natural gas, and ammonia gas plumes for disaster prediction and preparation.
- Worked closely with union-based unit operators, laboratory technicians, maintenance employees, contract workers, and plant management on a daily basis.
- Worked with purchasing department and with raw material suppliers for quality assurance of all materials.
- Oversaw installation and modernization of process control software and hardware.

Additional Management Experience

- Chair of School Board for a Private School, Missouri City, TX with over 350 students and 50 employees. Worked on initial business plan and \$2M capital campaign for expansion. Oversaw business aspects of School during search for a Head of School.
- Ordained Elder, serving two terms on Church Board.
- Assisting High School Principal with start-up of “Academy for Math and Sciences.”