

MIYOUNG SQUIRE, PE

PROFESSIONAL EXPERIENCE

Miyoung Squire has more than 28 years of experience providing technical services to public, private, and consulting companies. She has managed and directed projects and programs associated with water, wastewater, stormwater, streets, air, alternative energy, hazardous waste, solid waste and associated permit applications, compliance, and regulatory issues.

Miyoung offers extensive experience in public infrastructure projects, strategic planning, resource evaluation, subsurface engineering, oil and gas technologies and operations, surface water and groundwater modeling, air dispersion modeling, water quality assessments, water and wastewater treatment technologies, waste minimization/reduction technologies, and water and wastewater distribution systems. She has knowledge of regulatory and environmental related issues of many industries including petroleum, chemical, manufacturing, public utilities, and energy.

As President of the firm, Miyoung functions as CEO and Chairman of the Board. As such, she leads MSE's strategic growth planning initiatives and oversees all company operations.

AREAS OF EXPERTISE

- Program, contract, and project management
- Process engineering
- Water and wastewater system design, permitting, construction, and operations
- Air permitting and modeling
- Contamination assessment and remediation
- Pollution prevention
- Resource Conservation and Recovery Act (RCRA)
- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

SPECIFIC PROJECT EXPERIENCE

Ashland, Inc.: Environmental Services Contract

Project/Program Manager for environmental engineering and consulting services since 2002. Work performed includes strategies for permitting and compliance, control equipment selection, toxic release inventory, Tier II reporting, pollution prevention, waste minimization, stormwater pollution prevention, spill prevention and countermeasure, risk assessment and management, waste characterization and management, and emergency response. Involved in all environmental compliance and permitting efforts for this facility including air, water, wastewater, stormwater, hazardous waste, and process safety management.

Bureau of Land Management, Cliffside Facility: Process Safety Management Contract

Project Manager/Principal-in-Charge for development of a PSM program for this site that meets OSHA's PSM requirements. Work includes implementing the program to bring the site into compliance and providing education and training to designated BLM employees or contractors to transfer the skill necessary to maintain the PSM program.



PRESIDENT SENIOR ENGINEER

EXPERIENCE

28 years of experience in environmental consulting

EDUCATION

M.S., Environmental Engineering, Oklahoma State University

B.S., Petroleum Engineering, Texas A&M University, College Station

PROFESSIONAL REGISTRATIONS & CERTIFICATIONS

- Professional Engineer (PE)
Texas #85598
Florida #81159
North Carolina #044842
- OSHA 40-Hour HAZWOPER Training
- U.S. Department of Homeland Security FEMA IS-00100/ISC 100 and FEMA IS-00100/ISC 200



ADDITIONAL PROJECT EXPERIENCE

- **Taxiway R Specification for City of San Antonio Airport (SAIA) Removal of MSW and Reconstruction of Taxiway:** Prepared engineering and environmental specifications for the removal of bridge, removal of MSW, and management of construction and demolition waste.
- **Storm Water Compliance Inspection Services for COSA 2012 Bond Projects:** Provided storm water and environmental compliance inspection services for the 2012 COSA Bond Projects. Performed storm water audits to ensure compliance in accordance with NPDES, TPDES, SAWS, and EAA requirements during construction of horizontal and vertical projects.
- **City of San Antonio SWMD GHG Reporting Program:** Developed and prepared EPA's GHG Reporting Program. Work included reviewing, updating, and developing documentation and procedures. Developed strategies for calculations, methodologies for reporting years 2010, 2011, 2012, 2013, 2014 and 2015.
- **Pitluck Monitoring Well #1 Containment and Remediation:** This project consisted of designing containment structure with equipment including pump, storage, transfer equipment and container along with canopy cover and retaining wall to keep runoffs from entering into well site. Project included proper disposal of contaminated soil and liquid.
- **Jones Maltsberger Road Sewer Collection System Project:** TCEQ SCS Permit Modification: Performed all work necessary to complete the requested requirements to bring the SCS system into compliance with all of the applicable regulations as specified by the TCEQ.
- **Woodlawn at 36th Street, Bexar County Flood Control Project:** Work included Phase I ESA, Cultural Resources, Archeological Resources, Historical Resources, Waters of US, Threatened Endangered Species, and Utility Coordination.

ADDITIONAL EXPERIENCE

- Program/project management working with cities, municipal entities, and governmental agencies. Coordinating, monitoring, reporting, and delivery management of engineering projects in support of ongoing operations, which includes program and project planning, estimation, execution, implementation, and ongoing support.
- Planning and directing activities dealing with water utility systems installation, operation, maintenance, and services including engineering designs and plans, construction and upgrades of water production facilities, and distribution systems.
- Developing, securing, facilitating, and managing local, state, and federal grant funding (USDA, DOE, TCEQ, TWDB, EPA, TPWD, TXDOT, CDBG, etc.) for various non-profit organizations. Working and coordinating with agencies obtaining and processing grant applications. Managing projects and their necessary documentation required for grant processing and collection of payments.
- Providing management and technical direction of water resource projects including engineering analysis and review of alternatives for environmentally sustainable potable and non-potable water supply to meet current and future needs, and surface water and groundwater models for projections and availability of water.
- Providing management and development of programs involving the Edwards aquifer and related monitoring, water quality assessments, data analysis, and installation of groundwater wells.
- Conducting engineering analysis and reviews of exploration and production operations including subsurface engineering and geologic map preparations, seismic interpretations, well log interpretations, and reservoir calculations.
- Managing and performing professional, administrative, and technical projects involving preparation of programs, policies, procedures, and public information relating to air quality, stormwater runoff, and groundwater quality to meet federal, state, and local requirements.
- Coordinating with TCEQ and EPA in all matters relating to air and water quality, and preparing and maintaining a proactive plan to control emissions including background research, interviews, inspections, sampling, regulatory compliance, and other site investigations.



ADDITIONAL INFORMATION

Miyoung Squire, PE

- As director of the Clean Cities Program for the Corpus Christi region, served as chair of the Steering/Management Committee. Worked as a liaison with various alternative fuel providers and users, federal, state, and local agencies to develop and implement strategic and marketing plans. Researched and analyzed markets, technologies, legislative issues, and regulations dealing with alternative fuels, evaluating and developing remediation plans and mitigation measures for environmental quality issues and problems.