

MICHELLE L. OLIVE, P.G.

PROFESSIONAL HISTORY

Environmental Consultant, independent, March 1999 to date

Geoscience Earth & Marine Services, Inc., Marine Geologist, 1998-1999

Applied Earth Sciences, Inc., Hydrogeologist, 1997-1998

EC-Applied, Inc., Geologist, 1995-1997

EDUCATION

State University of New York, College at Oneonta; B.S., Geology, with Honors, graduated Cum Laude, May 1995

REGISTRATION

Licensed Professional Geoscientist (Geology), Texas, since 2003

REPRESENTATIVE EXPERIENCE

Ms. Olive has 20 years of experience in environmental and geological consulting. She has experience with facility closures, underground storage tank removals, and site remediations, as well as with air, hazardous waste, and wastewater permitting. Specific projects include:

- Prepared EXCEL workbooks to calculate air emissions and tabulate waste disposal and discharges for production and drilling platforms for a major oil and gas exploration company. Assisted the company with periodic reporting requirements.
- Conducted assessments of shallow geological conditions in deep water Gulf of Mexico using 3-D digital seismic data on an SMT workstation. Responsibilities included development of a geologic model for the study area, identification of shallow drilling hazards and stratigraphy, client meetings, map generation using various software applications, and preparation of reports to submit to the U. S. Department of the Interior- Minerals Management Service.
 - Project Manager of several underground storage tank investigations at various sites in Texas. Activities performed include boring and monitor well installations, aquifer tests, monitoring and sampling, and underground storage tank removals. Responsibilities included data interpretation, \$0.5 million dollar budget tracking, preparation of proposals and reports, and direct contact with local and state regulatory agencies.
- Conducted Phase I Environmental Site Assessments to assist in the due diligence phase of property transfers and to satisfy the innocent landowner defense criteria established for CERCLA liability.
- Oversight contractor and field supervisor for numerous remediation projects involving PCBs, Total Petroleum Hydrocarbons, VOCs, BNAs, and metals at natural gas compressor stations. Responsibilities included pre- and post-remediation soil sampling, PCB wipe sampling, locating a former burn pit through use of a Geoprobe, TPH field screening analysis, assisting the client in determining appropriate remedial actions, day-to-day supervision of the Remedial Contractor, and assisting in the preparation of the final reports after remediation was completed.
- Performed quarterly groundwater sampling for VOCs, BNAs, PCBs, BTEX, phenols, and metals at a petrochemical plant and also at several natural gas compressor stations. Responsibilities included preparation of field activities, sampling, and preparation of quarterly reports.

- Oversight contractor and field supervisor for the installation and sampling of monitor wells. Responsibilities included construction of well logs and preparation of potentiometric surface maps.
- Prepared TCEQ and Federal NPDES permit applications and TCEQ NSR air permit applications.
- Prepared air Permits-by-Rule applications for custom chemical manufacturer.
- Calculated annual air emissions from storage tanks, loading, and process operations and assisted in preparing SARA 313 Toxic Release Inventories.

PROFESSIONAL AFFILIATIONS

National Groundwater Association

Sigma Gamma Epsilon, National Honor Society for the Earth Sciences

Omicron Delta Kappa, National Leadership Honor Society