

EMILY M. O'MAHONY

EDUCATION:

State University of New York at Buffalo, Buffalo, NY; 2003 - Masters of Sciences, Geological Sciences
State University of New York at Buffalo, Buffalo, NY; 2000 - Bachelor of Arts, Geological Sciences

CONTINUING EDUCATION AND TRAINING

40 Hour HAZWOPER certified, June 2004

PROFESSIONAL EXPERIENCE:

- **Barron & Associates, P.C.;** Clarence, New York (11/2006-present)
Senior Geologist. Supervised subcontractors, managed and documented the completion of surface and subsurface investigations including Phase I Environmental Site Assessments (ESAs), wetland, stream and soil identification, archeological sensitivity identification and Phase II ESA subsurface investigations, soil boring logs, soil sampling with a Photoionization detector (PID), monitoring well installation, groundwater monitoring and sampling, report writing and NYSDEC communication. Remediation oversight consisting of underground storage tank, hydraulic lift and hydraulic reservoir removals, petroleum-impacted soil and construction waste remedial excavations, non-hazardous and hazardous waste disposal acquisition and management, soil disposal sample collection, waste water sampling and characterization, waste water disposal and discharge permit acquisition. Remedial activities in 2006, 2007, 2008 and 2009 were coordinated with demolition and development activities. Reports included writing, analytical groundwater and soil tables in compliance with NYSDEC guidelines, soil boring logs, monitoring well logs, maps and NY Spill Closure acquisition. A study in 2008 included a site hydrogeological site investigation including well installations, slug tests, hydraulic conductivity calculations, storm sewers, local septic system and surface drainage analysis.
- **Groundwater and Environmental Services;** Cheektowaga, New York (6/2004-10/2006)
Jr. Geologist and Associate Geologist. Supervised subcontractors, logged soil borings, completed soil boring sampling, logged well installations, oversaw UST removals and remedial excavations, investigated, Phase I ESAs, wetland and stream sensitive receptor surveys and Phase II ESA subsurface investigations, non-hazardous and hazardous waste management, NYSDOT, NYSTA and NYSDEC communication, permit acquisition, dewatering, client involvement, soil and groundwater data analysis, slug test data collection and analysis and writing reports documenting subsurface and remedial activities. Other activities included workplan design, project scheduling, deadline tracking and budget tracking, communication, quarterly groundwater and system monitoring, contour mapping, plume migration mapping. Reports included writing and analytical groundwater and soil tables in compliance with NYSDEC guidelines, soil boring logs, monitoring well logs, maps, graphs and NY Spill Closure acquisition. Implemented ExxonMobil LPS and SPSA safety guidelines.
- **Geographic Data Technology, .** Lebanon, NH (7/2003-5/2004)
Used Unix and Geographic Data Technology (GDT) software to address and name streets, edit landmark polygons, rivers and water bodies. Digital maps, aerial photographs, paper resources, web resources and phone calls provided verification of street name and address locations for commercial requests.