

Mark A. Alessandroni, PE, CHMM

WORK EXPERIENCE

The Markay Consulting Group, LLC: November 2011 – Present: a laboratory analytical, environmental, engineering, and waste management consulting firm based in Lakeland, Florida. We offer support to technical, legal, and other business professionals in the management of environmental issues. While we specialize in the review and assessment of environmental sampling and laboratory analytical data, including litigation support, we also offer traditional environmental and engineering consulting services.

Principal Consultant

- Provide professional consulting services in environmental engineering, analytical chemistry, and waste management.
- Review and assess environmental sampling and laboratory analytical data in support of environmental investigations ranging in complexity from initial assessments to multi-party litigation cases.
- Identify, specify, and critique appropriate sampling and analytical methods for characterizing contaminant concentrations in soil, water, air, and waste.
- Provide technical, management and training support to private, commercial, and municipal environmental analytical laboratories holding or seeking accreditation from the Florida Department of Health Environmental Laboratory Certification Program and/or the NELAC Institute.
- Provide professional consulting services to commercial and industrial Clients facing environmental challenges associated with due diligence investigations (Phase I and II Environmental Site Assessments), regulatory compliance, known or suspected contamination issues, waste management and/or environmental permitting.
- Assist Clients in the assessment, proper characterization, and management of waste streams, both hazardous and non-hazardous.
- Provide support to consultants, laboratories and field sampling organizations in the preparation and configuration of electronic data deliverables (EDDs), including FDEP's ADaPT.

TechFoundry, LLC: March 2012 – December 2022: a technology consulting firm based in Lakeland, Florida focused on assisting environmental professionals and organizations in their management of information. While we specialize in implementation, customization and technical support related to the Promium Element® Laboratory Information Management System, we also offer traditional information technology consulting services related to network configuration, server system design and optimization, data security, redundancy, and back-up configuration for a diverse set of Clients including law and engineering firms, laboratories, and hotels, among others.

Principal Consultant

- Provide professional consulting services and technical support in the installation, configuration, implementation, optimization, and maintenance of the Promium Element® Laboratory Information Management System.
- Provide professional consulting services related to installation, configuration, implementation, optimization, and maintenance of laboratory information management systems (LIMS).
- Provide support to environmental, legal, and other business professionals in the configuration and maintenance of computers and computer networks, hardware, software, e-mail, calendar, and contact systems.

Clark Environmental, Inc.: November 2015 – June 2017: a waste management firm focusing on the transportation, treatment and/or disposal of non-hazardous and hazardous contaminated soils, sludge, and liquid wastes in containerized and bulk quantities from its facilities in Mulberry, Florida.

General Manager

- Formulate and implement short- and long-term strategies for corporate growth.
- Represent Clark and communicate its corporate mission in any number of settings.
- Communicate with Clients regarding technical and regulatory issues as well as Clark's ability to assist them in complying with the same.
- Serve as liaison and corporate representative to Florida Department of Environmental Protection regarding all technical, regulatory, and permitting issues.
- Oversee the compilation, analysis, and maintenance of facility production and operational data as these may pertain to profitability, regulatory compliance, and/or operational optimization.
- Identify and evaluate opportunities for new markets and service capabilities.
- Organize and execute various administrative, marketing and sales functions.
- Assist in the development or improvement and communication of corporate policies.
- Identify, hire, train, and motivate exceptional administrative, sales, and technical talent.
- Oversee and monitor employee performance and productivity to identify "stars and duds."

Lakeland Laboratories, LLC: October 2002 – October 2015: a chemical analysis laboratory concentrating on environmental, industrial process, and occupational health sample analysis, process development chemistry research and technical support with facilities in Lakeland, Florida. (Note: We negotiated and closed the sale of Lakeland Laboratories to Florida-Spectrum Environmental Services in August 2014.)

Principal Vice President & Technical Director

- Formulate and implement short- and long-term strategies for corporate growth from inception.
- Communicate with Clients regarding technical and regulatory issues.
- Serve as liaison and corporate representative to Florida Department of Health Environmental Laboratory Certification Program.
- Communicate with Florida Department of Environmental Protection staff regarding technical issues.
- Compile, analyze, and maintain quality assurance data.
- Prepare & maintain National Environmental Laboratory Accreditation Program (NELAP) Quality Manual and associated documentation.
- Maintain the Laboratory Information Management System (LIMS).
- Develop new analytical methods and capabilities.
- Organize and execute various administrative and marketing functions.
- Assist in the development and communication of corporate policies.
- Identify, hire, and train exceptional technical talent.
- Perform analysis of environmental and industrial process samples employing gas and liquid chromatography, mass spectrometry, inductively coupled plasma (ICP) spectrophotometry, and various sample preparation and extraction procedures.

PhosLab, Inc.: July 2002 – September 2002: a chemical analysis laboratory concentrating on environmental and industrial process sample analysis, process development chemistry research and technical support with facilities in Lakeland, Florida.

Technical Director

- Assist in the organization and execution of administrative and marketing functions.
- Prepare National Environmental Laboratory Accreditation Program (NELAP) Quality Manual and associated documentation.
- Compile, analyze, and maintain quality assurance data.
- Perform analysis of environmental and industrial process samples employing gas and liquid chromatography, inductively coupled plasma (ICP) spectrophotometry, and various sample preparation and extraction procedures.

Chastain-Skillman, Inc.: January 1991 – June 2002: an engineering, environmental, and occupational health consulting firm with offices in Lakeland, Sebring, and Tampa, Florida, and Atlanta, Georgia.

Office Manager – Atlanta

- Spearhead out-of-state expansion efforts, including new market business development.
- Provide professional consulting services in Environmental Engineering, Chemistry, and Occupational Health.
- Prepare Remedial Action Plans (RAPs) and oversee Initial Remedial Actions.
- Conduct indoor environmental quality (IEQ) studies.
- Prepare Risk Management Program (RMP) and Process Safety Management (PSM) plans.
- Validate environmental analytical data.
- Prepare air permit applications.
- Model accidental release and atmospheric dispersion plumes.
- Perform hazardous waste management evaluations.
- Evaluate regulatory compliance of various business entities.
- Prepare Quantitative Human Health Risk Assessment reports.
- Conduct on-site environmental evaluations.
- Conduct industrial and commercial process evaluations.
- Develop and implement comprehensive quality assurance plans.

UNC Reclamation, Inc.: August 1989 – January 1991: innovative hazardous waste treatment and metals recovery facility based in Mulberry, Florida.

Research Chemist/Analytical Laboratory Manager

- Manage bench- and pilot-scale process development research in the recovery of strategic metals from hazardous waste.
- Prepare comprehensive technical reports documenting research.
- Manage all aspects of a three-shift analytical laboratory supporting process development research.
- Mentor and supervise analytical technicians.
- Coordinate analytical priority scheduling.
- Develop and implement new analytical methodologies.
- Optimize analytical techniques.

LICENSES AND CERTIFICATIONS

Registered Professional Engineer (Florida No. 51275)
Registered Professional Engineer (Georgia No. 25567)
Certified Hazardous Materials Manager (CHMM No. 7777)
Certified Indoor Air Quality Professional (CIAQP No. 000239 - Inactive)
Registered Environmental Manager (REM No. 5461 – Inactive)

PROFESSIONAL ORGANIZATIONS

Florida Society of Environmental Analysts (FSEA)
FSEA – Director, Region 4 (September 2020 – Present)
The NELAC Institute (TNI)
TNI - Training Committee (May 2020 – August 2023)
Industry Community Advisory Panel (November 2015 – Present)
Florida Association of Environmental Professionals
Tampa Bay Association of Environmental Professionals
Vistage Florida Chief Executive Group (January 2016 through June 2017)

VOLUNTEER ORGANIZATIONS

Board of Directors – Mulberry Community Service Center (March 2017 through Present)

EDUCATION

Master of Engineering Degree -	Environmental Engineering University of South Florida, 1995 (Tampa, FL)
Bachelor of Science Degree -	Chemistry (Summa Cum Laude) Troy State University, 1989 (Troy, AL)

PRESENTATIONS AND PUBLICATIONS

“Making Sense of Lab Data for Folks Who’ve Never Worked in a Lab.” Presented to interested members of the Florida Society of Environmental Analysts – Orlando, FL. November 7, 2024.

“Environmental Monitoring, Sampling, Analysis and Data.” Presented to the Tenth Training Cohort of the Sustainable Workplace Alliance – Orlando, FL. September 9-10, 2024.

“Environmental Monitoring, Sampling, Analysis and Data.” Presented to the Ninth Training Cohort of the Sustainable Workplace Alliance – Kissimmee, FL. April 11-12, 2024.

“Environmental Monitoring, Sampling, Analysis and Data.” Presented to the Eighth Training Cohort of the Sustainable Workplace Alliance – Kissimmee, FL. February 15-16, 2024.

“Environmental Monitoring, Sampling, Analysis and Data.” Presented to the Eighth Training Cohort of the Sustainable Workplace Alliance – Orlando, FL. October 26-27, 2023.

"Ethics and Data Integrity Refresher Training." Webinar presented to interested members of the Florida Society of Environmental Analysts – August 17, 2023.

"Environmental Monitoring, Sampling, Analysis and Data." Presented to the Seventh Training Cohort of the Sustainable Workplace Alliance – Kissimmee, FL. August 14-15, 2023.

"Environmental Monitoring, Sampling, Analysis and Data." Presented to the Sixth Training Cohort of the Sustainable Workplace Alliance – Cocoa, FL. January 10-11, 2023.

"Ethics and Data Integrity Refresher Training." Webinar presented to interested members of the Florida Society of Environmental Analysts – August 18, 2022.

"Environmental Monitoring, Sampling, Analysis and Data." Presented to the Fifth Training Cohort of the Sustainable Workplace Alliance – Titusville, FL. July 19-20, 2022.

"Environmental Monitoring, Sampling, Analysis and Data." Presented to the Fourth Training Cohort of the Sustainable Workplace Alliance – Melbourne, FL. February 17-18, 2022.

"Environmental Monitoring, Sampling, Analysis and Data." Presented to the Third Training Cohort of the Sustainable Workplace Alliance – Melbourne, FL. October 28-29, 2021.

"Don't Just Drop and Dash – Sample Documentation and Custody." Presented to the Florida Society of Environmental Analysts Fall Meeting and Technical Session – Daytona Beach, FL. October 20, 2021.

"Don't Just Drop and Dash – Sample Documentation and Custody." Presented to the Florida Society of Environmental Analysts Virtual Spring Meeting and Technical Session – Lakeland, FL. May 20, 2021.

"Environmental Monitoring, Sampling, Analysis and Data." Presented to the Second Training Cohort of the Sustainable Workplace Alliance – Melbourne, FL. May 6-7, 2021.

"Environmental Monitoring, Sampling, Analysis and Data." Presented to the First Training Cohort of the Sustainable Workplace Alliance – Melbourne, FL. March 31-April 1, 2021.

"Project Management: Communication Breakdown – It's Always the Same." Presented to the National Environmental Monitoring Conference – Jacksonville, FL. August 6, 2019.

"Project Management: Communication Breakdown – It's Always the Same." Presented to the Florida Society of Environmental Analysts Spring Meeting and Technical Session – Clearwater Beach, FL. May 23, 2019.

"Project Management: A Deliberate Oversimplification." Presented to the Florida Society of Environmental Analysts Spring Meeting and Technical Session – Clearwater Beach, FL. May 22, 2014.

"Project Management Basic Training." Presented to Registered Professional Engineers in partial fulfillment of those Continuing Education Requirements on behalf of the Florida Engineering Society - Various Florida locations. December 2012 – February 2013.

"Analytical Considerations Related to Chinese Drywall – Update." Presented to the American Industrial Hygiene Association Florida Section Spring Conference – Hutchinson Island, Florida. April 30, 2010.

Alessandroni, M., James M. Crawford, Garrick K. Johnson. "What's the (Elemental S)tory?" Presented at the Technical Symposium on Corrosive Imported Drywall – Tampa, Florida. November 5-6, 2009.

Demott, R., Alessandroni, M., Hayes, H., Freeman, G., Gauthier, T. "Elemental Sulfur and Trace Metal Content in Chinese and Domestic Brands." Poster Presentation at Technical Symposium on Corrosive Imported Drywall – Tampa, Florida. November 5-6, 2009.

"Analytical Considerations in Emissions Testing Related to Chinese Drywall." Presented at the Technical Symposium on Corrosive Imported Drywall – Tampa, Florida. November 5, 2009.

"Analytical Considerations in the Assessment of Chinese Drywall." Presented to the American Industrial Hygiene Association Florida Section Fall Conference – St. Augustine, Florida. September 25, 2009.

Alessandroni, M.A., T.C. Varney, P.L. Osley, 2002. "Mold 101: How to Identify, Address, and Prevent Mold Claims." Prepared and presented in conjunction with the Environmental, Toxic Tort and Construction Litigation Groups of Morris, Manning & Martin, LLP – Atlanta, Georgia. February 7, 2002.

Alessandroni, M.A., T.C. Varney, P.L. Osley, 2001. "Indoor Air Quality Essentials for Attorneys." Presented to the Environmental Group of Morris, Manning, & Martin, LLP – Atlanta, Georgia. December 3, 2001.

"Project Monitoring, Quality Control, and Clearance Criteria." Presented at The Environmental Institute's Short Course *Mold Assessment and Remediation in Buildings* – Marietta, Georgia. October 2001 through June 2002.

"Case Study & Data Evaluation Workshop." Presented at The Environmental Institute's Short Course *Mold Assessment and Remediation in Buildings* – Marietta, Georgia. August 15, 2001.

"Instituting the Clean Air Act." Presented at the 65th Annual Educational Conference and Exhibition of the National Environmental Health Association – Atlanta, Georgia. July 2001.

Alessandroni, M.A., P.L. Osley, S.D. Griffin, G.J. Lassi, 1998. "Complying with Chemical Accidental Release Requirements." Presented at the Florida Environmental Expo – Tampa, Florida. October 1998.

"Offsite Consequences of Accidental Releases." Presented to the Annual Meeting of the American Industrial Hygiene Association Florida Section – St. Petersburg Beach, Florida. October 1998.

"EPA's Oil Pollution Prevention Regulation and Spill Prevention, Control, and Countermeasures Plans." Presented to the Air and Waste Management Association Tampa Section – Tampa, Florida. February 1998.

Varney, T.C., M.A. Alessandroni, P.L. Osley, S.D. Griffin, G.J. Lassi, 1998. "Complying with Chemical Accidental Release Requirements." Presented to facilities managers of affected industries in central Florida – Lakeland, Florida. February 1998.

Varney, T.C., G.J. Lassi, C.J. Estes, M.A. Alessandroni, N.M. Pyron, 1996. "Risk Assessment Methodology in Environmental Decision Making." Presented to the Florida Department of Environmental Protection - Tallahassee, Florida. May 1996.

“Contamination Assessment of Environmental Releases.” Presented to the Advanced Chemistry Class at Lake Wales Senior High School - Lake Wales, Florida. October 1995.

“A Preliminary Evaluation of Ambient Air Quality Impacts Resulting from Remedial Air Stripping of Solvent-Contaminated Ground Water.” Presented at the Florida Section of the AWMA 1995 Annual Conference - Clearwater Beach, Florida. September 1995.

“Issues Associated with the Release of Halogenated Dry-Cleaning Solvents.” Presented to the Department of Civil Engineering in partial fulfillment of the requirements for the Master of Engineering degree, University of South Florida - Tampa, Florida. May 1995.

“Challenges in the Assessment of Dry-Cleaning Waste Solvents (and other DNAPLs) in Subsurface Environments.” Presented at the Florida Water Resources Conference - Tampa, Florida. August 1994.

“Remediation of Environmental Releases of Chemicals to Air, Soil, and Water.” Presented to Graduate Students of the College of Public Health, University of South Florida - Tampa, Florida. March 1994.