

WHITNEY L. RODRIGUEZ, PE

## Education

BS – Environmental Engineering, University of Florida, 2012

## Professional Licenses

Professional Engineer – Florida – License No. 82430



## Specialty Certifications

OSHA Hazardous Waste Operations 40-Hour Training

OSHA Construction Outreach 30-Hour Training

## Professional Experience

Ms. Rodriguez is a Senior Project Professional with over 7 years of experience in environmental consulting including managing numerous small to large scale projects at all stages from initial site assessment through clean or conditional closure. She regularly prepares site assessment work plans and reports, feasibility studies, remedial action plans for various cleanup technologies (soil excavation with and without dewatering, bioremediation, and air sparge/soil vapor extraction), bid specifications, construction completion reports, engineering control maintenance plans, and groundwater monitoring reports.

Currently, she is managing groundwater monitoring projects for multiple landfills, preparing monthly operating reports for deep injection wells at two landfills, and overseeing soil management implementation activities at a golf course redevelopment site. She previously managed several projects under the Florida Department of Environmental Protection (FDEP) Dry-cleaning Solvent Cleanup and Petroleum Restoration Programs and has experience assessing and remediating sites with chlorinated solvents and petroleum constituents in soil and/or groundwater. Notable projects that Ms. Rodriguez has been involved in are described below.

### Site Assessment and Remediation

**Stauffer Management Company, Florida, Stauffer Chemical Superfund Site, Remedial Investigation Reporting, 2018 – present.** Senior Project Professional responsible for preparing the Remedial Investigation (RI) Report Addendum. The objectives of the RI Report Addendum were to present recent groundwater and surface water quality data delineation of constituents of concern (COCs) in environmental media; evaluate concentration trends for certain COCs in groundwater; and demonstrate improvements in groundwater quality since the soil remedy was completed. The goal of the RI Addendum Report was to show that no further remedy for groundwater was necessary and that potential risks to human health and the environment were understood and under control so that options for future site redevelopment, with appropriate controls, can proceed. The Stauffer Chemical Superfund Site is approximately 130 acres.

**FDEP Petroleum Restoration Program, Florida, Former 7-Eleven Food Store #20044, Site Assessment, 2015 – 2018.** Project Manager responsible for planning and documenting multiple site

assessment events at a former 7-Eleven facility. The Site is a 0.46-acre property that previously operated as a gasoline station and convenience store, then more recently operated as a drycleaner, and currently operates as a Float & Massage business. There were challenges associated with completing site assessment activities at the Float & Massage business, including working at night to complete drilling activities. Site assessment activities were completed from 2016 through 2018 and included the completion of soil borings for lithologic description, collection of soil samples for organic vapor analyzer field screening and laboratory analyses, installation of water-table and deep monitoring wells, evaluation of groundwater flow direction and gradients, and collection of groundwater samples.

**FDEP Drycleaning Solvent Cleanup Program, Florida, Former Scott's Custom Cleaners, Site Assessment, 2018.** Project Manager responsible for preparing the Site Assessment Work Plan (SAWP). Active drycleaning operations began at the facility in March 1986 and ceased sometime between 2010 and 2012. The former drycleaning facility is currently occupied by an Italian restaurant, which posed access challenges that needed to be accounted for in the SAWP. The site screening completed in 1996 documented the presence of chlorinated drycleaning solvent-related contamination detected in soil and groundwater samples. The overall objectives of the SAWP were to: (i) characterize the nature and extent of soil and groundwater contamination onsite; (ii) identify actual and potential receptors and evaluate if there is direct exposure for soils or exposure to groundwater impacts through nearby potable wells; and (iii) obtain the data needed to develop and evaluate potential corrective measures, if necessary. Ms. Rodriguez also prepared the proposal and cost estimate for the site assessment activities.

**FDEP Hazardous Waste Cleanup Program, Florida, Former Brice Lumber & Wood Preserving Company Site, Site Assessment and Remediation, 2012 – 2018.** Project Manager and Project Engineer responsible for overseeing and collecting soil samples from over 400 soil boring locations both on-site and off-site from a range of land surface to 4 feet (ft) below land surface (bls). These samples were analyzed for arsenic to develop cut lines for an excavation of the contaminated soil. The Site was previously used as a lumber yard and wood preserving industrial facility (using copper, chromium, and arsenic solutions to treat lumber) from about 1951 through 1962. Ms. Rodriguez prepared the Remedial Action Plan Addendum for excavation of arsenic-impacted soil on residential parcels adjacent to the former wood preserving facility. She also prepared the proposal and cost estimate for the soil excavation.

**National Aeronautics and Space Administration, Florida, Kennedy Space Center, Vehicle Assembly Building Area Re-Assessment, 2012 – 2017.** Task Manager for large scale groundwater investigation for volatile organic compounds (VOCs) around the vehicle assembly building at the Kennedy Space Center. Ms. Rodriguez coordinated and provided oversight for direct push technology (DPT) groundwater sampling with analysis of groundwater samples by a mobile laboratory to evaluate the concentrations of VOCs at a range of 6 to 55 ft bls at discrete depth intervals. She aided in preparation of the DPT groundwater sampling work plan. Following completion of the groundwater investigation, Ms. Rodriguez prepared the Environmental Conditions Assessment Report and presented the site assessment results to the client. Site assessment results included hot spot delineation where VOCs exceeded ten times the FDEP Natural Attenuation Default Concentrations. Ms. Rodriguez also prepared the feasibility study comparing the different remedial technologies of bioremediation and emulsified zero-valent iron injection combined with bioremediation to address the VOC-impacted groundwater in the hot spot. Lastly, Ms. Rodriguez prepared the implementation work plan for bioremediation of the hot spot and oversaw injection activities.

## **Water Quality Monitoring Reporting**

**Manatee County, Florida, Erie Road and Lena Road Landfills, Water Quality Monitoring Reporting, 2019 – present.** Senior Project Professional responsible for evaluating water quality monitoring data/trends, preparing, and reviewing semi-annual and technical water quality monitoring reports for the Erie Road Closed Class I Landfill and Lena Road Class I Landfill. Reporting responsibilities are performed effectively to keep each facility in compliance with the water quality monitoring requirements in their long-term care or operation permit. The Erie Road Landfill is approximately 80 acres and the Lena Road Landfill consists of approximately 316 acres of disposal area and related facilities.

**Hillsborough County, Florida, Northwest Landfill, Water Quality Monitoring Permit Renewal, 2019 – present.** Senior Project Professional responsible for evaluating groundwater and surface water monitoring data/trends over the past 5 years, preparing, and reviewing the monitoring plan evaluation report for the water quality monitoring permit application renewal. The Northwest Landfill property encompasses approximately 207 acres.

**Waste Management, Florida, Keene Road, Gulf Coast, and Immokalee Landfills, Water Quality Monitoring Reporting, 2018 – present.** Project Manager responsible for evaluating water quality monitoring data/trends, preparing, and reviewing semi-annual and technical water quality monitoring reports for several Waste Management landfills including the Keene Road Class III Recycling and Disposal Facility (171 acres), Gulf Coast Class III Landfill and Recycling Facility (160 acres), and Immokalee Closed Class I Landfill and Waste Processing Facility (124 acres). Reporting responsibilities are performed effectively to keep each facility in compliance with the water quality monitoring requirements in their long-term care permit. Additionally, Whitney planned, coordinated, and reported monitoring well abandonment and installation activities at the Keene Road Class III Recycling and Disposal Facility.

**Pinellas County, Florida, Toytown Landfill, Water Quality Monitoring Reporting, 2019 – present.** Project Manager responsible for evaluating water quality monitoring data/trends, preparing, and reviewing semi-annual water quality monitoring reports for the Toytown Closed Class I Landfill to keep the facility in compliance with the water quality monitoring requirements in their long-term care permit. The Toytown Landfill is approximately 235 acres.

## **Deep Injection Well Monitoring and Reporting**

**Waste Management, Florida, Medley and Okeechobee Landfills, Deep Injection Well Compliance Reporting, 2018 – present.** Project Manager responsible for reviewing and evaluating monthly operating data for each deep injection well, injectate, and associated dual-zone monitoring well as well as preparing monthly operating reports for the Medley and Okeechobee Landfills to keep the facilities in compliance with their Underground Injection Control operation permit.

## **Landfill Gas Title V Compliance and Permitting**

**Miami-Dade Department of Solid Waste Management, Florida, South Dade Landfill, Air Permitting, 2018.** Senior Project Professional responsible for preparing the Title V air permit renewal application for the South Dade Landfill to keep the facility in compliance with their Title V air operation permit.

## **Presentation**

Odom, B. J., Rodriguez, W. L., “Alternative Cleanup Target Levels and Soil Blending Techniques”, Florida Association of Environmental Professionals Conference, Tampa, Florida, September 2019.