

MYLES CLEWNER, LEP

Education

MS - Waste Management, State University of New York at Stony Brook, 1998
BS - Operations Research and Industrial Engineering, Cornell University, 1990



Professional Licenses

Licensed Environmental Professional

Professional Affiliations

International Society of Technical & Environmental Professionals, Inc.
Solid Waste Association of North America

Professional Experience

Myles is a Vice President, Project Director, and the Manager of the Boca Raton, FL Office. He also formerly served as the Quality Management Coordinator for SCS's Southeast operations. He has a broad and diverse solid waste and environmental engineering background that includes projects in landfill and waste processing facility permitting and compliance. Myles has practiced solid waste engineering since 2002 and environmental consulting since 1991.

He has significant experience with the design and permitting of numerous types of solid waste facilities, including municipal solid waste landfills, ash monofills, construction and demolition debris landfills, materials recovery facilities, municipal solid waste transfer stations, and composting facilities. He has prepared applications for new permits, permit renewals, and permit modifications for solid waste construction and operation permits, air construction and operation permits (including Title V permits), water use permits, water well installation permits (including monitoring wells and water supply wells), and hazardous material management permits (including permits for petroleum storage tanks). He has also been involved with the preparation of permit applications for beneficial use determination sites (such as asphalt batch plants retrofitted to accept petroleum contaminated non-hazardous soils as an aggregate) and the preparation of site assessment reports (including site investigations, historic research, regulatory documentation reviews, monitoring well installation, gas probe installation, groundwater monitoring, surface water monitoring, soil monitoring, and landfill gas monitoring) for regulatory approval of site development plans for old closed landfills.

Myles has also been heavily involved with compliance work related to numerous solid waste facilities. This work has included coordination and reporting of routine and compliance groundwater monitoring events, surface water monitoring events, leachate monitoring events, landfill gas surface emissions monitoring events, landfill gas migration (perimeter probe) monitoring events, and site-specific hydrogen sulfide monitoring events. Additional compliance work has included the preparation of updated financial closure cost and long term care estimates, Major Air Pollution Source Annual Emissions Fee submissions, Title V Statement of Compliance reports, Annual Operating Report (AOR) submissions for Air Pollutant Emitting Facilities, New Source Performance Standards (NSPS) reports, Multi-Sector Generic Permit Discharge Monitoring Reports, Spill Prevention Control and Countermeasure Plans, and Storm Water Pollution Prevention Plans. Myles

also reviews leachate analytical reports to ensure compliance with permits and contracts for leachate disposal at city and county wastewater disposal facilities.

Myles has over fifteen years' experience performing and preparing Phase I and II Environmental Site Assessments in several states on residential, commercial, and industrial properties, including Superfund sites, coal gasification plants, gasoline filling stations, automotive repair shops, dry cleaners, manufacturing facilities, old closed landfills, illegal abandoned dump sites, commercial strip malls, and residential apartment buildings. His work scope included site investigations, historic research, regulatory documentation reviews, report preparation, design and implementation of sampling plans (including soil, soil vapor, sludge, sediment, groundwater, surface water, air, asbestos, and lead paint investigations), underground storage tank removals, site remediation (including contaminated soil, sludge, and sediment removal), underground injection control system abandonments, and long-term site monitoring.

Below is a summary of some of the major projects he has been involved with just since 2012.

Landfill Engineering

Waste Management Inc. of Florida, Monarch Hill Northwest Expansion Redesign, 2019-2020.

Project Director responsible for project direction, design assistance, client interaction, agency communication, and detailed reviews. The base grades of three cells were redesigned to optimize the design, simplify construction, and increase airspace. In addition, the applications included site plan changes (relocated scales, flare compound, and maintenance building; redesigned surface water management system and access roads). Both solid waste and surface water management system permit applications were submitted for this project.

Waste Management Inc. of Florida, Monarch Hill Southeast Lakefill Renewal Application, 2020.

Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for a license renewal application for a borrow pit reclamation project (filling a former lake) at a landfill.

Waste Management Inc. of Florida, Monarch Hill Construction Quality Assurance for Cells 12 through 14, 2018 - 2019. Project Director responsible for client interaction, budget oversight, and detailed reviews for the construction of three cells.

Waste Management Inc. of Florida, Monarch Hill Construction Quality Assurance for Phase 7 Closure, 2018 - 2019. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews.

Waste Management Inc. of Florida, Monarch Hill Construction Drawings for Cells 12 through 14, 2017. Project Director responsible for client interaction, design assistance, budget oversight, and detailed reviews for the preparation of construction drawings for three new cells.

Waste Management Inc. of Florida, Monarch Hill Construction Drawings for the Surface Water Management System, 2015 - 2017. Project Director responsible for client interaction, design assistance, budget oversight, and detailed reviews for the preparation of construction drawings for changes to the surface water management system in the northeastern portion of the site. Several sets of drawings were prepared for different phases of the construction over several years.

Waste Management Inc. of Florida, Monarch Hill Deep Dynamic Compaction of the Northeast Lakefill, 2017. Project Director responsible for client interaction, budget oversight, and detailed

reviews for dynamic compaction of a lakefill project to support construction of landfill cells over this area.

Waste Management Inc. of Florida, Monarch Hill Permit Modification Application for Use of Recovered Screen Material in Final Cover, 2016. Project Director responsible for project direction, design assistance, client interaction, agency communication, and detailed reviews for a permit modification to allow use of RSM in final cover of a landfill.

Waste Management Inc. of Florida, Monarch Hill Northeast Expansion Redesign, 2015. Project Director responsible for project direction, design assistance, client interaction, agency communication, and detailed reviews. The base grades of two cells were redesigned to optimize the design, simplify construction, and increase airspace. Furthermore, the design allowed for simpler lateral expansion opportunities in the future.

Waste Management Inc. of Florida, Monarch Hill Permit Renewal Application, 2015. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the landfill and other facilities (e.g., transfer station, materials recovery facility, etc.) at the site.

Waste Management Inc. of Florida, Monarch Hill Environmental Resource Permit Modification Application, 2015. Project Director responsible for project direction, design assistance, client interaction, agency communication, and detailed reviews for modification of the permit for the site's surface water management system.

Waste Management Inc. of Florida, Monarch Hill Northeast Lakefill Permit Closeout, 2015. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for the closeout of a license for a borrow pit reclamation project (filling a former lake).

Waste Management Inc. of Florida, Monarch Hill Construction Drawings for Deep Dynamic Compaction of the Northeast Lakefill, 2015. Project Director responsible for project direction, design assistance, client interaction, budget oversight, and detailed reviews for a dynamic compaction plan for a lakefill project to support construction of landfill cells over this area.

Waste Management Inc. of Florida, Monarch Hill Southeast Lakefill License Application, 2014. Project Manager responsible for application preparation, client interaction, agency communication, and budget oversight for a license application for a borrow pit reclamation project (filling a former lake).

Waste Management Inc. of Florida, Monarch Hill Permit Modification Application for Acceptance of Third Party Liquids, 2014. Project Manager responsible for application preparation, client interaction, agency communication, and budget oversight for a permit modification application for acceptance of third party liquids at the landfill (for co-disposal with the landfill leachate).

Waste Management Inc. of Florida, Monarch Hill Fate and Transport Evaluation, 2012. Project Manager responsible for modeling, calculations, client interaction, and budget oversight for an investigation of impacts from use of recovered screen material in landfill final cover.

Waste Management Inc. of Florida, Monarch Hill Permit Application for Modification of Water Quality Monitoring Plan, 2012. Project Manager responsible for application preparation, client interaction, agency communication, and budget oversight for a permit modification application to reduce sampling requirements at the landfill.

Waste Management Inc. of Florida, Monarch Hill Groundwater Monitoring Well Installations, 2001 - 2020. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for the installation, abandonment, and repairs of numerous groundwater monitoring wells at the site.

Waste Management Inc. of Florida, Monarch Hill Closure Cost/Long Term Care Cost Estimate Updates, 2001 - 2020. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for full recalculations of the closure cost and long term care cost estimates for the landfill to include new cells and/or newly closed areas.

Waste Management Inc. of Florida, Monarch Hill Airspace Reporting, 2001 - 2020. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for calculating and reporting remaining landfill capacity on an annual basis.

Waste Management Inc. of Florida, Medley Landfill Construction Drawings for Cells 10 and 11, 2019 - 2020. Project Director responsible for client interaction, design assistance, budget oversight, and detailed reviews for the preparation of construction drawings for two new cells.

Waste Management Inc. of Florida, Medley Landfill Vertical Expansion, 2018 - 2020. Project Director responsible for project direction, design assistance, client interaction, agency communication, and detailed reviews for a vertical expansion.

Waste Management Inc. of Florida, Medley Landfill East Expansion Redesign, 2018. Project Director responsible for project direction, design assistance, client interaction, agency communication, and detailed reviews. The base grades of three cells were redesigned to optimize the design, simplify construction, and increase airspace.

Waste Management Inc. of Florida, Medley Landfill Construction Quality Assurance for Phase 5 Closure, 2018 - 2019. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews.

Waste Management Inc. of Florida, Medley Landfill Permit Application for Modification of Water Quality Monitoring Plan, 2018. Project Manager responsible for application preparation, client interaction, agency communication, and budget oversight.

Waste Management Inc. of Florida, Medley Landfill Permit Modification Application for Use of Recovered Screen Material in Final Cover, 2017. Project Director responsible for project direction, design assistance, client interaction, agency communication, and detailed reviews for a permit modification to allow use of RSM in final cover of a landfill.

Waste Management Inc. of Florida, Medley Landfill Permit Modification Application for Use of Closure Turf in Final Cover, 2017. Project Director responsible for project direction, design assistance, client interaction, agency communication, and detailed reviews for a permit modification to allow use of closure turf for landfill closure.

Waste Management Inc. of Florida, Medley Landfill Environmental Resource Permit Modification Application, 2016. Project Director responsible for project direction, design assistance, client interaction, agency communication, and detailed reviews for modification of the permit for the site's surface water management system.

Waste Management Inc. of Florida, Medley Landfill Permit Renewal Application, 2015. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the landfill.

Waste Management Inc. of Florida, Medley Landfill Construction Drawings for Saddle Fill, 2015. Project Director responsible for client interaction, design assistance, budget oversight, and detailed reviews for the preparation of construction drawings for a valley fill expansion.

Waste Management Inc. of Florida, Medley Landfill Construction Drawings for the Surface Water Management System, 2015. Project Director responsible for client interaction, design assistance, budget oversight, and detailed reviews for the preparation of construction drawings for changes to the surface water management system.

Waste Management Inc. of Florida, Medley Landfill Permit Modification Application for Use of Crushed Glass in Protective Layer, 2015. Project Manager responsible for application preparation, client interaction, agency communication, and detailed reviews for a permit modification to allow use of crushed glass in the upper 12 inches of the protective layer for cell construction.

Waste Management Inc. of Florida, Medley Landfill Permit Modification Application for Deep Injection Well, 2014. Project Manager responsible for application preparation, client interaction, agency communication, and detailed reviews for a permit modification to allow disposal of leachate into an on-site deep injection well.

Waste Management Inc. of Florida, Medley Landfill Construction Drawings for Cell 6, 2014. Project Manager responsible for client interaction, design assistance, budget oversight, and detailed reviews for the preparation of construction drawings for a new cell.

Waste Management Inc. of Florida, Medley Landfill Permit Modification Application for Alternate Daily and Intermediate Cover, 2013. Project Manager responsible for application preparation, client interaction, agency communication, and detailed reviews for a permit modification application.

Waste Management Inc. of Florida, Medley Landfill Groundwater Monitoring Well Installations, 2001 - 2020. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for the installation, abandonment, and repairs of numerous groundwater monitoring wells at the site.

Waste Management Inc. of Florida, Medley Landfill Closure Cost/Long Term Care Cost Estimate Updates, 2003 - 2020. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for full recalculations of the closure cost and long term care cost estimates for the landfill to include new cells and/or newly closed areas.

Waste Management Inc. of Florida, Medley Landfill Airspace Reporting, 2003 - 2020. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for calculating and reporting remaining landfill capacity on an annual basis.

Waste Management Inc. of Florida, Okeechobee Landfill Construction Quality Assurance for Cells 107 and 108, 2018. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for the construction for two new cells.

Waste Management Inc. of Florida, Okeechobee Landfill Construction Drawings for Cells 107 and 108, 2018. Project Director responsible for client interaction, design assistance, budget oversight, and detailed reviews for the preparation of construction drawings for two new cells.

Waste Management Inc. of Florida, Okeechobee Landfill Leachate Forcemain Design and Construction Quality Assurance, 2018. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews.

Waste Management Inc. of Florida, Okeechobee Landfill Construction Drawings for Cells 105 and 106, 2017. Project Director responsible for client interaction, design assistance, budget oversight, and detailed reviews for the preparation of construction drawings for two new cells.

Waste Management Inc. of Florida, Okeechobee Landfill Construction Quality Assurance for Cell 104, 2017. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for the construction for a new cell.

Waste Management Inc. of Florida, Okeechobee Landfill Construction Drawings for Temporary Closure, 2017. Project Director responsible for client interaction, design assistance, budget oversight, and detailed reviews for a temporary closure.

Waste Management Inc. of Florida, Okeechobee Landfill Construction Drawings for Cell 104, 2017. Project Director responsible for client interaction, design assistance, budget oversight, and detailed reviews for the preparation of construction drawings for a new cell.

Waste Management Inc. of Florida, Okeechobee Landfill Permit Modification Application, 2016. Project Manager responsible for application preparation, client interaction, agency communication, and detailed reviews for a permit modification application. The modification included a change to the future leachate station structure designs and updates to the cell construction and closure technical specifications and construction quality assurance plan.

Waste Management Inc. of Florida, Okeechobee Landfill Construction Quality Assurance for Phase II Closure, 2016. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for a closure.

Waste Management Inc. of Florida, Okeechobee Landfill Construction Quality Assurance for Cells 102 and 103, 2016. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for the construction for two new cells.

Waste Management Inc. of Florida, Okeechobee Landfill Construction Drawings for Infrastructure for Phase III Expansion, 2015. Project Director responsible for client interaction, design assistance, budget oversight, and detailed reviews for the preparation of construction drawings for construction of the infrastructure (berms, stormwater management features, leachate forcemain, etc.) for a future expansion area.

Waste Management Inc. of Florida, Okeechobee Landfill Permit Renewal Application, 2015. Project Manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for renewal of the permit for the landfill.

Waste Management Inc. of Florida, Okeechobee Landfill Construction Drawings for Lakefilling, 2014. Project Manager responsible for client interaction, design assistance, budget oversight, and detailed reviews for the preparation of construction drawings for the filling of former lakes.

Waste Management Inc. of Florida, Okeechobee Landfill Construction Drawings for Demucking and Backfilling, 2014. Project Manager responsible for client interaction, design assistance, budget oversight, and detailed reviews for the preparation of construction drawings for preparations for a new expansion.

Waste Management Inc. of Florida, Okeechobee Landfill Permit Modification Application for Operation Plan Changes, 2014. Project Manager responsible for application preparation, client interaction, agency communication, and detailed reviews for a permit modification application to revise the Operation Plan.

Waste Management Inc. of Florida, Okeechobee Landfill Permit Modification Application for Reduction of Monitoring Requirements, 2012. Project Manager responsible for application preparation, client interaction, agency communication, and detailed reviews for a permit modification application to reduce the water quality monitoring requirements.

Waste Management Inc. of Florida, Okeechobee Landfill Permit Modification Application for Acceptance of Third Party Liquids, 2012. Project Manager responsible for application preparation, client interaction, agency communication, and budget oversight for a permit modification application for acceptance of third party liquids at the landfill (for co-disposal with the landfill leachate).

Waste Management Inc. of Florida, Okeechobee Landfill Permit Modification Application for Acceptance of Third Party Liquids, 2012. Project Manager responsible for application preparation, client interaction, agency communication, and detailed reviews for a permit modification application for acceptance of third party liquids for commingling with the landfill's leachate.

Waste Management Inc. of Florida, Okeechobee Landfill Permit Modification Application for Operation Plan Changes, 2012. Project Manager responsible for application preparation, client interaction, agency communication, and detailed reviews for a permit modification application for changes to the Operation Plan and for modifications of the permit specific conditions relating to water quality monitoring.

Waste Management Inc. of Florida, Okeechobee Landfill Closure Cost/Long Term Care Cost Estimate Updates, 2003 - 2020. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for full recalculations of the closure cost and long term care cost estimates for the landfill to include new cells and/or newly closed areas.

Waste Management Inc. of Florida, Naples Landfill Construction Quality Assurance for Phase 3 Closure, 2019. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for a closure project.

Waste Management Inc. of Florida, Naples Landfill Construction Quality Assurance for Cell A5, 2019. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for the construction for a new cell.

Waste Management Inc. of Florida, Naples Landfill Construction Drawings for for Phase 3 Closure, 2019. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for the preparation of construction drawings for a closure.

Waste Management Inc. of Florida, Naples Landfill Construction Drawings for Cell A5, 2017. Project Director responsible for client interaction, design assistance, budget oversight, and detailed reviews for the preparation of construction drawings for a new cell.

Waste Management Inc. of Florida, Naples Landfill Permit Modification Application, 2016. Project Manager responsible for application preparation, client interaction, agency communication, and detailed reviews for a permit modification application. The modification included a change to the future leachate station structure designs and updates to the cell construction and closure technical specifications and construction quality assurance plan.

Waste Management Inc. of Florida, Naples Landfill Permit Renewal Application, 2016. Project Manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for renewal of the permit for the landfill.

Waste Management Inc. of Florida, Naples Landfill Construction Quality Assurance for Cell A6, 2016. Project Manager responsible for project direction, client interaction, agency communication, and detailed reviews for the construction for a new cell.

Waste Management Inc. of Florida, Naples Landfill Construction Drawings for Cell A6, 2015. Project Manager responsible for client interaction, design assistance, budget oversight, and detailed reviews for the preparation of construction drawings for a new cell.

Waste Management Inc. of Florida, Naples Landfill Construction Quality Assurance for Temporary Closure, 2016. Project Manager responsible for project direction, client interaction, agency communication, and detailed reviews for a temporary closure project.

Waste Management Inc. of Florida, Naples Landfill Construction Drawings for Leachate Control, 2015. Project Manager responsible for client interaction, design assistance, budget oversight, and detailed reviews for the preparation of construction drawings for amendments to a closed portion of the landfill to better control leachate.

Waste Management Inc. of Florida, Naples Landfill Airspace Reporting, 2013 - 2020. Project Director responsible for project direction, client interaction, agency communication, report preparation, and detailed reviews for reporting on remaining capacity of the landfill.

Waste Management Inc. of Florida, Glades Landfill LLC Base Grades Redesign, 2019. Project Director responsible for project direction, design assistance, client interaction, agency communication, and detailed reviews. The base grades of the cells of the entire landfill were redesigned to optimize the design, simplify construction, and increase airspace.

Waste Management Inc. of Florida, Glades Landfill LLC Construction Drawings for Phase 5, 2019. Project Director responsible for client interaction, design assistance, budget oversight, and detailed reviews for the preparation of construction drawings for a new cell.

Waste Management Inc. of Florida, Glades Landfill LLC Construction Quality Assurance for Phase 4, 2019. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for the construction for a new cell.

Waste Management Inc. of Florida, Glades Landfill LLC Permit Renewal Application, 2013. Project Manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for renewal of the permit for the landfill.

Glades County, Glades County Landfill Stabilization Report, 2018. Project Director responsible for client interaction, budget oversight, and detailed reviews for the preparation of a stabilization report for a closed landfill.

Glades County, Glades County Landfill Permit Renewal Application, 2013. Project Manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for renewal of the long term care permit for the closed landfill.

Waste Management Inc. of Florida, WM Homestead C&D Facility Permit Modification Application for Tonnage Increase, 2018. Project Director responsible for project direction, client interaction, agency

communication, and detailed reviews for modification of the permit for the C&D debris landfill to allow for an increased daily tonnage.

Waste Management Inc. of Florida, WM Homestead C&D Facility Vertical Expansion, 2017. Project Director responsible for project direction, design assistance, client interaction, agency communication, and detailed reviews for a vertical expansion of a C&D debris landfill.

Waste Management Inc. of Florida, WM Homestead C&D Facility Permit Renewal Application, 2016. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the C&D debris landfill.

Waste Management Inc. of Florida, WM Homestead C&D Facility Lateral Expansion, 2014. Project Manager responsible for project direction, design assistance, client interaction, agency communication, preparation of the application, and detailed reviews for a lateral expansion to the C&D debris landfill.

Waste Management Inc. of Florida, WM Homestead C&D Facility Vertical Expansion, 2013. Project Manager responsible for project direction, design assistance, client interaction, agency communication, preparation of the application, and detailed reviews for a vertical expansion of a C&D debris landfill.

Waste Management Inc. of Florida, WM Homestead C&D Facility Groundwater Monitoring Well Installations, 2003 - 2020. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for the installation, abandonment, and repairs of numerous groundwater monitoring wells at the site.

Waste Management Inc. of Florida, WM Homestead C&D Facility Airspace Reporting, 2008 - 2020. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for calculating and reporting remaining landfill capacity on an annual basis.

Waste Management Inc. of Florida, Vista Landfill Permit Renewal Application, 2017. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the City of Apopka's local permit for the landfill.

Waste Management Inc. of Florida, Vista Landfill Permit Renewal Application, 2016. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the landfill.

Waste Management Inc. of Florida, Deland Landfill Airspace Reporting, 2017 - 2020. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for calculating and reporting remaining landfill capacity on an annual basis.

Waste Management Inc. of Florida, Pine Ridge Landfill Airspace Reporting, 2017 - 2020. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for calculating and reporting remaining landfill capacity on an annual basis.

Waste Management Inc. of Florida, Vista Landfill Airspace Reporting, 2017 - 2020. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for calculating and reporting remaining landfill capacity on an annual basis.

Waste Management Inc. of Florida, North Manatee Landfill Airspace Reporting, 2017 - 2020. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for calculating and reporting remaining landfill capacity on an annual basis.

Waste Management Inc. of Florida, North Manatee Landfill Closure Cost/Long Term Care Cost Estimate Updates, 2018. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for full recalculations of the closure cost and long term care cost estimates for the landfill to include new cells.

Wheelabrator South Broward, South Broward Ash Monofill Quality Assurance for Temporary Closure, 2015. Project Manager responsible for project direction, client interaction, agency communication, and detailed reviews for the construction for an exposed geomembrane temporary closure.

Wheelabrator South Broward, South Broward Ash Monofill Financial Assurance Review, 2014. Project manager responsible for project direction, client interaction, agency communication, and detailed reviews for an expert opinion on closure and long-term care costs for an ash monofill.

Wheelabrator South Broward, South Broward Ash Monofill Temporary Closure Design, 2014. Project Manager responsible for project direction, client interaction, agency communication, and detailed reviews for the design of an exposed geomembrane temporary closure.

Manheim Auto Auctions, Surfside Landfill Closure Rehabilitation, 2013. Project Manager responsible for project direction, client interaction, agency communication, and implementation of repairs to the final cap of a closed landfill that had been disturbed by recreational use from trespassers.

Turnpike Transfer, Landfill Closure Rehabilitation, 2012. Project Manager responsible for project direction, client interaction, agency communication, and implementation of repairs to the final cap of a closed landfill that had been disturbed during adjacent roadwork.

Landfill Gas Management

Waste Management Inc. of Florida, Monarch Hill Construction Quality Assurance for Landfill Gas Collection and Control System Improvements, 2016 - 2018. Project Director responsible for client interaction, budget oversight, and detailed reviews for landfill gas collection and control system improvements.

Waste Management Inc. of Florida, Medley Landfill Construction Quality Assurance for Landfill Gas Collection and Control System Improvements, 2016 - 2018. Project Director responsible for client interaction, budget oversight, and detailed reviews for landfill gas collection and control system improvements.

Waste Management Inc. of Florida, Okeechobee Landfill Construction Quality Assurance for Landfill Gas Collection and Control System Improvements, 2017 - 2018. Project Director responsible for client interaction, budget oversight, and detailed reviews for landfill gas collection and control system improvements.

Waste Management Inc. of Florida, Naples Landfill Construction Quality Assurance for Landfill Gas Collection and Control System Improvements, 2017 - 2018. Project Director responsible for client

interaction, budget oversight, and detailed reviews for landfill gas collection and control system improvements.

Waste Processing Facility Engineering

Waste Management Inc. of Florida, WM Recycling Homestead Permit Renewal Application, 2019. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the C&D debris materials processing facility.

Waste Management Inc. of Florida, WM Recycling Homestead Permit Modification Application for Yard Trash Composting, 2014. Project Manager responsible for project direction, client interaction, agency communication, and detailed reviews for modification of the permit for the C&D debris MRF to allow for yard trash composting.

Waste Management Inc. of Florida, WM Recycling Homestead Permit Renewal Application, 2014. Project manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for renewal of the permit for the C&D debris MRF.

Waste Management Inc. of Florida, WM Recycling Homestead Permit Modification Application for Single Stream Recyclables Tent, 2013. Project manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for modification of the permit for the C&D debris MRF to allow for construction of a tent for the receipt of single stream recyclables.

Waste Management Inc. of Florida, WM Naples Hauling Facility Environmental Resources Permit Modification Application, 2018. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for a surface water management system modification to provide additional vehicle parking space.

Waste Management Inc. of Florida, WM Naples Transfer Station Permit Application, 2016. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for a solid waste permit for a new transfer station.

Waste Management Inc. of Florida, WM Naples Transfer Station Construction Certification, 2018. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for the certification for construction of a new transfer station.

Waste Management Inc. of Florida, WM Naples Hauling Facility Environmental Resources Permit Application, 2015. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for a surface water management system permit for a new hauling facility.

Waste Management Inc. of Florida, WM Recycling Naples Permit Renewal Application, 2015. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for a C&D debris materials processing facility.

Waste Management Inc. of Florida, WM Recycling Pompano Permit Closure Assistance, 2017. Project Director responsible for project direction, client interaction, agency communication, and

detailed reviews for closure of the permits for the materials processing facility and borrow pit reclamation facility (lakefill).

Waste Management Inc. of Florida, Glades County Transfer Station Permit Renewal Application, 2017. Project Director responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for renewal of the permit for the transfer station.

Waste Management Inc. of Florida, Glades County Transfer Station Permit Modification Application, 2016. Project Director responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for modification of the permit for the transfer station to allow more options for leachate disposal.

Waste Management Inc. of Florida, Glades County Waste Tire Center Permit Renewal Application, 2017. Project Director responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for renewal of the permit for a waste tire center.

Waste Management Inc. of Florida, Immokalee Waste Processing Facility Closure Cost Estimate Update, 2020. Project director responsible for project direction, client interaction, agency communication, and detailed reviews for a five-year recalculation of the closure costs for the MRF and transfer station.

Waste Management Inc. of Florida, Immokalee Waste Processing Facility Permit Renewal Application, 2014. Project manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for renewal of the permit for the MRF and transfer station.

Waste Management Inc. of Florida, Reuter Recycling Permit Renewal Application, 2019 - 2020. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the transfer station and materials processing facility.

Waste Management Inc. of Florida, Reuter Recycling Permit Renewal Application, 2014. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the transfer station and materials processing facility.

Waste Management Inc. of Florida, WM Recycling Palm Beach Permit Renewal Application, 2018. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the materials recovery facility.

Waste Management Inc. of Florida, WM Recycling Sun 5 Permit Renewal Application, 2018. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the materials recovery facility.

Waste Management Inc. of Florida, WM Recycling Sun 11 Permit Renewal Application, 2017. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the Class I waste (MSW) materials recovery facility.

True Enterprise, True Enterprise Permit Renewal Application, 2017. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the composting facility.

Waste Management Inc. of Florida, Baker Transfer Station Permit Renewal Application, 2017.

Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the transfer station.

Waste Management Inc. of Florida, Franklin County Transfer Station Permit Renewal Application, 2017. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the transfer station.

Waste Management Inc. of Florida, WM Recycling Riviera Beach Permit Modification Application, 2017. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for modification of the permit for the materials recovery facility to allow for expanded operating hours.

Waste Management Inc. of Florida, Tampa Class III Waste Processing Facility Permit Modification Application, 2017. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for modification of the permit for the materials recovery facility to allow for flexibility between operating as a materials recovery facility and a transfer station depending on market conditions.

Nu-Way Recycling Corp., Nu-Way Recycling Permit Modification Application, 2017. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for modification of the permit for the materials recovery facility to allow for an increased incoming capacity.

Waste Management Inc. of Florida, WM Recycling Pompano Permit Renewal Application, 2016. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the materials recovery facility.

Waste Management Inc. of Florida, Tampa Class III Waste Processing Facility Permit Renewal Application, 2016. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the materials recovery facility.

Waste Management Inc. of Florida, Monarch Hill Transfer Station Permit Application, 2016. Project Director responsible for project direction, design assistance, client interaction, agency communication, and detailed reviews for a permit application for a new Class I transfer station within the confines of a former waste-to-energy facility.

R3 Recycling – Justin Industries, Inc., Palm City II Waste Processing Facility Permit Modification Application, 2015. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for modification of the permit for the materials recovery facility to allow for the generation and off-site reuse of recovered screen material.

Waste Management Inc. of Florida, Long Key Transfer Station Permit Renewal Application, 2015. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the transfer station.

Waste Management Inc. of Florida, Cudjoe Key Transfer Station Permit Renewal Application, 2015. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the transfer station.

Waste Management Inc. of Florida, Key Largo Transfer Station Permit Renewal Application, 2015. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the transfer station.

Waste Management Inc. of Florida, WM of Palm City Permit Renewal Application, 2015. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the transfer station.

Waste Management Inc. of Florida, WM Recycling Pompano Permit Renewal Application, 2015. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the lakefill.

Waste Management Inc. of Florida, Fortune Metals Permit Application, 2015. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permitting of a new metals recycling facility.

Waste Management Inc. of Florida, Rockland C&D Transfer Station Permit Renewal Application, 2014. Project Manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for renewal of the permit for the transfer station.

Waste Management Inc. of Florida, Monarch Hill Class I Transfer Station Permit Application, 2014. Project Manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for the permitting for a new transfer station.

Flagler, Beacon Countyline Tract 55 Materials Recovery Facility Permit Renewal Application, 2014. Project Manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for renewal of the permit for the MRF.

Waste Management Inc. of Florida, WM Recycling Riviera Beach Permit Modification Application, 2014. Project Manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for modification of the permit for the MRF to allow for the generation and reuse of recovered screen material.

Waste Management Inc. of Florida, WM Recycling Hialeah Permit Renewal Application, 2014. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for renewal of the permit for the materials recovery facility.

Waste Management Inc. of Florida, WM Recycling Pompano Permit Modification Application, 2014. Project Manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for modification of the permit for the MRF to extend the canopy over additional recycling areas.

Waste Management Inc. of Florida, Panama City C&D Disposal Facility Closure Permit Renewal Application, 2014. Project Manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for renewal of the long term care permit for the closed landfill.

Waste Management Inc. of Florida, Keene Road Landfill Closure Permit Renewal Application, 2014. Project Manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for renewal of the long term care permit for the closed landfill.

Waste Management Inc. of Florida, Smith Business Park MRF Permit Renewal Application, 2014.

Project Manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for renewal of the permit for the materials recovery facility.

Waste Management Inc. of Florida, Springhill Landfill Closure Permit Renewal Application, 2014.

Project Manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for renewal of the long term care permit for the closed landfill.

Waste Management Inc. of Florida, WM Recycling Riviera Beach Permit Renewal Application, 2014.

Project Manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for renewal of the permit for the materials recovery facility.

Waste Management Inc. of Florida, WM Recycling Davie Permit Renewal Application, 2014. Project Manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for renewal of the permit for the materials recovery facility.

Waste Management Inc. of Florida, West Charlotte Transfer Station Permit Modification Application, 2013. Project Manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for modification of the permit for the transfer station for the construction of a pre-fabricated building over the tipping floor.

Waste Management Inc. of Florida, East Charlotte Transfer Station Permit Renewal Application, 2013. Project Manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for renewal of the permit for the transfer station.

Waste Management Inc. of Florida, Sarasota Materials Recovery Facility Permit Renewal Application, 2014. Project Manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for renewal of the permit for the materials recovery facility.

Waste Management Inc. of Florida, Coral Springs Transfer Station Permit Renewal Application, 2012. Project Manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for renewal of the permit for the transfer station.

True Enterprise, True Enterprise Permit Application, 2012. Project Manager responsible for project direction, client interaction, agency communication, preparation of the application, and detailed reviews for obtaining a new permit for a pre-existing unpermitted composting facility.

Water Quality Monitoring

Waste Management Inc. of Florida, Monarch Hill Water Quality Monitoring, 2005 - 2020. Project Director responsible for project direction, client interaction, agency communication, data review, report preparation, and detailed reviews for routine semiannual water quality monitoring at the site.

Waste Management Inc. of Florida, Monarch Hill Technical Reports on Water Quality Monitoring, 2005 - 2020. Project Director responsible for project direction, client interaction, agency

communication, data review, report preparation, and detailed reviews for periodic reviews of water quality data at the site for specific prior time period intervals.

Waste Management Inc. of Florida, Medley Landfill Ammonia Source Evaluation, 2012. Project Manager responsible for modeling, calculations, client interaction, and budget oversight for an investigation of off-site ammonia impacts from an unlined portion of the landfill.

Waste Management Inc. of Florida, Medley Landfill Water Quality Monitoring, 2010 - 2020. Project Director responsible for project direction, client interaction, agency communication, data review, report preparation, and detailed reviews for routine semiannual water quality monitoring at the site.

Waste Management Inc. of Florida, Medley Landfill Technical Reports on Water Quality Monitoring, 2010 - 2020. Project Director responsible for project direction, client interaction, agency communication, data review, report preparation, and detailed reviews for periodic reviews of water quality data at the site for specific prior time period intervals.

Waste Management Inc. of Florida, WM Homestead C&D Facility Water Quality Monitoring, 2002 - 2020. Project Director responsible for project direction, client interaction, agency communication, data review, report preparation, and detailed reviews for routine semiannual water quality monitoring at the site.

Waste Management Inc. of Florida, WM Homestead C&D Facility Technical Reports on Water Quality Monitoring, 2002 - 2020. Project Director responsible for project direction, client interaction, agency communication, data review, report preparation, and detailed reviews for periodic reviews of water quality data at the site for specific prior time period intervals.

Waste Management Inc. of Florida, WM Recycling Hialeah Water Quality Monitoring, 2012 - 2020. Project Director responsible for project direction, client interaction, agency communication, data review, report preparation, and detailed reviews for routine semiannual water quality monitoring at the materials recovery facility.

Waste Management Inc. of Florida, WM of Palm City Water Quality Monitoring, 2001 - 2020. Project Director responsible for project direction, client interaction, agency communication, data review, report preparation, and detailed reviews for routine semiannual water quality monitoring at the transfer station.

Waste Management Inc. of Florida, Wheelabrator South Broward Ash Monofill Water Quality Monitoring, 2006 - 2020. Project Director responsible for project direction, client interaction, agency communication, data review, report preparation, and detailed reviews for routine semiannual water quality monitoring at the ash monofill.

Waste Management Inc. of Florida, Wheelabrator South Broward Ash Monofill Technical Reports on Water Quality Monitoring, 2006 - 2020. Project Director responsible for project direction, client interaction, agency communication, data review, report preparation, and detailed reviews for periodic reviews of water quality data at the site for specific prior time period intervals.

Waste Management Inc. of Florida, WM Recycling Pompano Water Quality Monitoring, 2006 - 2020. Project Director responsible for project direction, client interaction, agency communication, data review, report preparation, and detailed reviews for routine semiannual water quality monitoring at the materials recovery facility.

Waste Management Inc. of Florida, WM Recycling Palm Beach Water Quality Monitoring, 2017 - 2020. Project Director responsible for project direction, client interaction, agency communication, data review, report preparation, and detailed reviews for routine semiannual water quality monitoring at the materials recovery facility.

Waste Management Inc. of Florida, WM Recycling Oakes Road Water Quality Monitoring, 2006 - 2020. Project Director responsible for project direction, client interaction, agency communication, data review, report preparation, and detailed reviews for routine semiannual water quality monitoring at the materials recovery facility.

Waste Management Inc. of Florida, WM Miami West Transfer Water Quality Monitoring, 2017 - 2020. Project Director responsible for project direction, client interaction, agency communication, data review, report preparation, and detailed reviews for routine semiannual water quality monitoring at the transfer station.

Waste Management Inc. of Florida, Turnpike Transfer Water Quality Monitoring, 2003 - 2017. Project Director responsible for project direction, client interaction, agency communication, data review, report preparation, and detailed reviews for routine semiannual water quality monitoring at the former transfer station.

Glades County, Glades County Landfill Water Quality Monitoring, 2011 - 2020. Project Director responsible for project direction, client interaction, agency communication, data review, report preparation, and detailed reviews for routine semiannual water quality monitoring at the site.

Glades County, Glades County Landfill Technical Reports on Water Quality Monitoring, 2011 - 2020. Project Director responsible for project direction, client interaction, agency communication, data review, report preparation, and detailed reviews for periodic reviews of water quality data at the site for specific prior time period intervals.

Expert Testimony and Services

Waste Management Inc., Due Diligence for Acquisition, 2015 - 2016. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for acquisition of a solid waste collections and recycling company in South Florida.

Waste Management Inc., Due Diligence for Acquisition, 2015. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for acquisition of a private landfill in central Florida.

HG&S, Expert Witness Review and Testimony, 2012. Expert Witness responsible for detailed reviews and expert testimony for a challenge to a landfill expansion and “taking” of private property.

Site Redevelopment Assistance

Siemens, Site Development Assistance for CNG Facility, 2019-2020. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for agency approval and health and safety oversight for the installation of a compressed natural gas fueling station over a former landfill.

D-Essentials / Shapigo Development, LLC, Site Development Assistance, 2016 - 2017. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for assistance with construction of a commercial building over a former landfill. The work involved obtaining site development plan approval from the local agency while addressing environmental, structural, and safety issues such as waste settlement, stormwater management, waste management, and landfill gas infiltration.

Kingsley Holdings, Dedicated Transport Methane Gas Management Plan, 2015. Project Director responsible for project direction, client interaction, agency communication, and detailed reviews for preparation of a methane gas management plan (Operation, Maintenance, and Monitoring Manual) for a building constructed over a former landfill.

Duke Realty, Gas System Design and Construction Quality Assurance for Commercial Buildings, 2014. Project Manager responsible for project direction, client interaction, agency communication, and detailed reviews for the design and construction of a landfill gas barrier and collection system for commercial buildings being constructed over a former filled lake.

NW 110 Avenue Holdings LLC, Methane Gas Management Plan, 2014. Project Manager responsible for project direction, client interaction, agency communication, and detailed reviews for preparation of a methane gas management plan for a building constructed over a former landfill.

Advance Point, LLC, Iguazu International Site Redevelopment Assistance, 2014. Project Manager responsible for project direction, client interaction, and detailed reviews for site development assistance for a proposed building to be constructed over a former lakefill.

Procacci, Site Development Assistance, 2013 - 2014. Project Manager responsible for project direction, client interaction, agency communication, and detailed reviews for assistance with construction of a commercial building over a former landfill. The work involved obtaining site development plan approval from the local agency while addressing environmental, structural, and safety issues such as waste settlement, stormwater management, waste management, and landfill gas infiltration.

Publications and Presentations

Khatami, A., Clark, B., Clewner, M., "Pursuing Dynamic Compaction – Part 1", Waste 360, July-August, 2013, pp. 44-47

Khatami, A., Clark, B., Clewner, M., "Pursuing Dynamic Compaction – Part 2", Waste 360, September, 2013, pp. 44-47.

Khatami, A., Clewner, M., VanGennip, K., "The Use of Leachate Toe Drain Systems Can Deal With Seeps After a Landfill Has Been Covered," Waste 360, March, 2014 , pp. 55-65.

Khatami, A., Clewner, M., Heikkinen, W., "Surface Water Management System Modeling and the Effect on Percolation in Sizing the System," Florida SWANA Chapter, Talking Trash, Summer 2014, pp.12-13.

Khatami, A., Clewner, "Leachate Generation Trend After Closure of a Subtitle D Landfill," Waste Advantage Magazine, September 2020, Volume 11, Number 9, pp. 38-40.