

STEPHEN DESCHER

Education

BS – Applied Biology, Georgia Institute of Technology, 1999



Professional Affiliations

Solid Waste Association of North America

Professional Experience

As a Senior Project Professional, Mr. Descher is responsible for managing landfill gas and other environmental compliance projects for local and regional clients. Mr. Descher started his career as a Landfill Gas Technician and was soon promoted to an Environmental Manager position within a national waste company. He has been in environmental consulting for approximately 16 years, joining SCS in 2017. Mr. Descher has experience in many aspects of solid waste and environmental compliance including Title V permitting, monitoring and reporting, data management, groundwater, NPDES and other environmental monitoring, environmental compliance auditing of solid waste facilities, landfill cell construction, landfill cell closure, gas extraction system construction, industrial hygiene monitoring and testing, as well as some experience with ash pond management and closure.

Projects typically have involved permitting, reporting, compliance tracking, regulatory agency liaison, and environmental sampling. Facilities have included landfills, landfill gas control facilities, material recovery facilities, transfer stations, power plants, and various other manufacturing and distribution facilities.

Notable projects that Mr. Descher has been involved in are described below.

Landfill

DeKalb County Georgia, Seminole Road Landfill, 2019 – Present. Senior Project Professional; assist in project management for cell construction, financial assurance documentation, solid waste permitting and modification, and transfer station modification.

Republic Services, Oak Grove Landfill, 2007 – 2012. Staff Environmental Scientist, CQA Technician, Construction Quality Assurance during installation of GCCS improvements: multiple vertical extraction wells, horizontal well, and piping; Construction Quality Assurance during installation of three groundwater monitoring wells.

Dalton-Whitfield Solid Waste Management Authority, Old Dixie Landfill, 2007 – 2008. Staff Environmental Scientist, CQA Technician, Construction Quality Assurance during GCCS installation for gas-to-energy facility; maintenance of GIS-based Landfill Gas Data Management Database

Landfill Gas Management

Republic Services, Oak Grove Landfill, 2007 - Present. Senior Project Professional, Project Environmental Scientist, Project Manager. Title V Permitting and Reporting: including Semiannual Reporting, Annual Compliance Certification, Startup Shutdown Malfunction Reporting; Landfill Gas Collection/Control System Monitoring and Maintenance; Gas well drilling Construction Quality

Assurance; Landfill Gas-to-Energy Facility startup; GCCS data analysis and recommended modifications; compilation and processing of Greenhouse Gas Monitoring data for required reporting.

Republic Services, Pine Ridge Landfill, 2007 - Present. Senior Project Professional , Project Environmental Scientist, Project Manager. Title V Permitting and Reporting: including Semiannual Reporting, Annual Compliance Certification, Startup Shutdown Malfunction Reporting; Landfill Gas Collection/Control System Monitoring and Maintenance; Gas well drilling CQA; GCCS data analysis and recommended modifications; compilation and processing of Greenhouse Gas Monitoring data for required reporting.

Republic Services, Hickory Ridge Landfill, 2007 - Present. Senior Project Professional, Project Environmental Scientist, Project Manager. Title V Permitting and Reporting: including Permit Renewal, Semiannual Reporting, Annual Compliance Certification, Startup Shutdown Malfunction Reporting; Landfill Gas Collection/Control System Monitoring and Maintenance; compilation and processing of Greenhouse Gas Monitoring data for required reporting.

Broward County, Florida, BIC/Davie Landfills, 2012 - 2017 Project Environmental Scientist. Title V Permitting and Reporting: including Semiannual Reporting, Annual Compliance Certification, Startup Shutdown Malfunction Reporting, Annual Operations Report.

East Baton Rouge Parish, Louisiana, Devil's Swamp Landfill, 2012 - 2017. Project Environmental Scientist. Title V Permitting and Reporting: including Permit Renewal, Semiannual Reporting, Annual Compliance Certification, Startup Shutdown Malfunction Reporting, Emissions Inventory.

Cecil County, Maryland, Central Landfill, 2012. Project Environmental Scientist. Title V Permitting and Reporting: including Permit Renewal, Semiannual Reporting, Annual Compliance Certification, Startup Shutdown Malfunction Reporting; Emissions Certification Reporting.

Rome-Floyd County, Georgia, Walker Mountain Landfill, 2009 - 2017. Project Environmental Scientist, Project Manager. Title V Permit Renewal; compilation and processing of Greenhouse Gas Monitoring data for required reporting; site assessment of two methane monitoring probes for possible replacement.

Solid Waste Facilities

Veolia Environmental Services, Solid Waste Facility Environmental Audits, 2014 - 2015. Senior Project Environmental Scientist, Auditor. Conducted environmental audits at all Veolia landfills, hauling companies and transfer stations in Georgia, Alabama, Florida and the Bahamas. These audits included aspects of NPDES, SWPPP, SPCC and NSPS.

Georgia Power, Company-wide Solid Waste Facility Review, 2015. Senior Project Environmental Scientist, Project Manager. Review and compile permitting, monitoring, design and operations information and documentation for all coal-fired power plant associated landfills and ash ponds owned/operated by Georgia Power. Created inspection procedures for ash ponds and landfills based on permit and design and operational plan requirements. Created customized database to organize and track all information related to ash ponds and landfills.

Environmental Management

General Dynamics, Emissions Determination – 2019. Senior Project Professional. Calculate change to potential emissions arising from increase in production; including site visit and evaluation of

production process, calculation of chemical usage in various processes, and drafting notification to regulatory agency.

Americold, Industrial Hygiene Sampling – 2019 – Present. Senior Project Professional. Assist in developing sampling plan and project management for industrial hygiene sampling and monitoring at a million-plus square foot distribution facility in metro Atlanta. Sampling included mold spore, hydrogen, hydrochloric acid, lead dust, ammonia, and noise levels.

Marathon Petroleum, Large Scale LP Terminal Asset Transfer – Permit Assistance, 2015 - 2016. Senior Project Environmental Scientist, Project Manager, Assist with permit modification and agency coordination efforts associated with transfer of certain assets to affiliated company in 17 different states across the eastern USA. This includes NPDES, Air, RCRA Waste, Department of Army, Army Corps of Engineer, and other various permits with federal, state and local agencies.

Publications and Presentations

Maier, R. M., J. W. Neilson, J. F. Artiola, F. L. Jordan, E. P. Glenn, and S. M. Descher. (2001). Remediation of Metal-Contaminated Soil and Sludge Using Biosurfactant Technology. *International Journal of Occupational Medicine and Environmental Health*. 14: 241 – 248.

Descher, S., “Landfill Microbiology”, Georgia SWANA Fall Conference, October 2015

Descher, S., “Landfill Microbiology”, Alabama SWANA Spring Conference, April 2016

Descher, S., “3D Modeling of Landfills”, Alabama/Georgia SWANA Joint Spring Seminar, April 2019