

WHITNEY M.B. STACKHOUSE

Education

BS – Geology, California State University, Sacramento, 2005

Specialty Certifications

40-Hour Health and Safety Training, OSHA CFR 1910.120
Proper Shipment and Handling of Flammable Gases and Dangerous Goods, 49 CFR 171-180 and HM-181

Professional Experience

Whitney is a Project Manager for SCS Field Services with over a decades of experience in the groundwater and geologic fields. She has provided coordination, quality control and support services for groundwater, landfill environmental compliance and Landfill Methane Rule (LMR) surface emissions monitoring and reporting, as well as maintaining and testing landfill gas (LFG), groundwater, and leachate collection systems for over 10 years. She has worked on numerous projects related to these services, including the reporting of LFG collection systems, LMR surface emissions monitoring, and groundwater pump and treat systems. She has been responsible for supervision and coordination of quarterly on-site SEM monitoring activities at over 40 sites and has assisted with data and reporting requirements for 10 Title V landfills in Northern California.

In addition to the field activities listed above, she has assisted in cost estimating and all reporting requirements necessary for successful, compliant landfill operations. This has included data review and preparation for LMR surface emissions monitoring (SEM) and LFG operation, monitoring and maintenance (OM&M) reports, which contain monitoring activities, field observations, and recommended remediation, if needed. Routine field services have included installation and sampling of groundwater monitoring wells and LFG monitoring probes.

Whitney also continues to participate in SCS's health and safety program in compliance with OSHA Standard 29 CFR 1910.120. She is knowledgeable in incident response operations, team functions, personnel safety, and field equipment. She is able to recognize and evaluate potential chemical and physical hazards and associated risks in field operations; discuss and use personnel protective equipment such as respiratory protection and protective clothing; use and interpret direct-reading instruments; and examine and establish Standard Operating Safety Guidelines to ensure safe and effective response operations.

Groundwater

Whitney provides coordination, quality control and support services and has experience in the drilling and installation of groundwater monitoring wells. She has been involved in well development, sampling of groundwater wells, and analysis of samples. She has created and managed the sampling schedule for 25 groundwater sites monitored and maintained by SCS Field Services. In addition, she has provided coordination of laboratory and field supplies for sampling activity in addition to providing checklists for sampling requirements for quarterly, semi-annual and annual events.

Environmental Compliance Oversight, Monitoring, and Reporting

Broadrock Renewable, LLC, Update of Landfill Gas Reserves Projections for the Olinda Landfill, Orange County, California. Project Director responsible for updating the LFG recovery projections for the Olinda Landfill taking into account projected disposal quantities and characteristics. The updates were used by Broadrock management to evaluate the long-term performance of their 32.5 MW landfill gas to energy power plant at the landfill.

Broadrock Renewable, LLC, Evaluate Landfill Gas Collection System Performance and Flow and Gas Quality Monitoring Equipment inlet to the new Turbine Facility, Olinda Landfill, Orange County, California. Project Director responsible for evaluating landfill gas collection coverage and potential options for improving landfill gas recovery, and assessing the flow and gas quality monitoring equipment inlet to Broadrock's 32.5 MW landfill gas to energy turbine facility at the Olinda Landfill.

Solid Waste Studies

Corcoran, Hanford and Houston Avenue Landfills, Kings County, CA. Coordination of field activities and assistance with semiannual and annual reporting for sampling and monitoring at a combined total of 59 groundwater wells, 2 domestic supply wells, and 17 soil gas probes. In addition to the supervision, coordination and report preparation of quarterly on-site LMR SEM monitoring activities at the Hanford Landfill.

Neal Road Recycling and Waste Facility, Paradise, CA. Provided coordination and quality control for quarterly field activities, including sampling of groundwater monitoring wells, leachate sumps, lysimeters and surface water impoundments. As well as, supervision, coordination and report preparation of quarterly on-site LMR SEM monitoring activities.

Geer Road Landfill, Modesto, CA. Performed field operations and maintenance of a volatile organic compounds (VOC) removal groundwater pump and treatment system. System consists of 12 extraction well/pumps, two 20,000-pound activated carbon filters, air compressor, intermediate, and pre-filters. Relevance includes groundwater sample collection, carbon breakthrough monitoring, analytical testing, telemetric monitoring, collection of field data, and evaluation to adjust and optimize system performance.

Fink Road Landfill, Crows Landing, CA. Coordination of field activities and assistance with semiannual and annual reporting for sampling and monitoring of groundwater wells equipped with QED bladder pumps. As well as, supervision, coordination and report preparation of quarterly on-site LMR SEM monitoring activities.

Five Active and Closed Placer County Landfills, Placer County, CA. Ms. Stackhouse coordinates field activities and has assisted with semiannual and annual reporting of field activities for sampling and monitoring of groundwater, surface water, leachate sumps, lysimeters, leak detection sumps, and vadose zone locations at or adjacent to Western Regional, Loomis, Meadow Vista, Forest Hill and Eastern Regional Landfills. Additionally, she performs Title 27 and LMR reporting, as needed.

14th Avenue Commercial Area, Sacramento, CA. Coordination of field activities, bottle order and assistance with semiannual and annual reporting for sampling and monitoring of 6 groundwater wells equipped using portable QED electric sample pumps and semiannual liquid level measurements at all monitoring points and performed VOC headspace monitoring.