

TINA QUO SCHMIESING, REPA

Education

BA – Geology, Humboldt State University, 1985

Professional Licenses

Registered Environmental Property Assessor (REPA, No. 945090)



Professional Experience

Ms. Schmiesing has a diverse background in geology with 29 years of professional experience. Prior to joining SCS, she performed geotechnical investigations and regulatory evaluations of geological and hydrogeological aspects of solid waste landfills. Subsequently, over the past 22 years while at SCS, she has been involved in numerous projects involving environmental investigation of hazardous chemicals in soils and groundwater at hazardous and solid waste sites.

Ms. Schmiesing has participated in a certified 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.

Landfills

Groundwater Monitoring and Reporting for El Sobrante Landfill, Corona, CA. Ms. Schmiesing has managed the sampling and monitoring of 18 groundwater wells and gas condensate, leachate, sub-drain, and seep locations to determine the presence of potential releases from waste units impacting groundwater at El Sobrante Landfill. She has managed reporting for the landfill's groundwater monitoring and reporting program under current state and federal requirements. She has also managed resampling of wells as a result of statistical indications of a release and associated documentation required for the activities. She has managed groundwater well and landfill gas (LFG) well/probe abandonments and installation of approximately 40 locations at sites in preparation for 6 phases of the landfill's expansion or in response to regulatory requirements. She has also performed technical review of draft Waste Discharge Requirements (WDRs), and aided landfill staff in providing comments to the state regulatory agency.

Groundwater Monitoring and Reporting for Antelope Valley Recycling and Disposal Facility, Palmdale, CA. Ms. Schmiesing managed sampling and monitoring of 8 groundwater wells to determine the presence of potential releases from waste units impacting the groundwater at this sanitary landfill. She managed reporting for the groundwater monitoring and reporting program under current state and federal requirements, and completed additional evaluations of groundwater conditions as a result of indications of potential release. She has also managed installation of groundwater wells required for evaluation of groundwater characterization studies and landfill expansion purposes. In addition, she has managed the assessment of potential impacts to soil and groundwater at a former underground storage tank (UST) area on the landfill property. She

performed technical review of draft WDRs, and aided landfill staff in providing comments to the state regulatory agency.

Groundwater Monitoring and Reporting for Lancaster Landfill and Recycling Center, Lancaster, CA. Ms. Schmiesing managed the sampling and monitoring of 12 groundwater wells and 9 vadose zone points to determine the presence of potential releases from waste units impacting the groundwater at Lancaster Landfill. She has managed the landfill's groundwater monitoring and reporting program under current state and federal requirements. She completed regulatory contact and approval to abandon 10 groundwater monitoring wells and reinstall 5 perimeter gas monitoring probes in preparation for the landfill's expansion. She also managed evaluations of Corrective Action Plans (CAPs) for monitored natural attenuation and LFG control. She performed the technical review of draft and tentative WDRs, and aided landfill staff in providing comments to the state regulatory agency.

Groundwater Monitoring and Reporting for Azusa Land Reclamation Landfill, Azusa, CA. Ms. Schmiesing managed the sampling and monitoring of 6 groundwater wells and leachate, to determine the presence of potential releases from waste units impacting groundwater at Azusa Land Reclamation Landfill. She managed the groundwater monitoring and reporting program for the landfill under current state and federal requirements. She also managed the removal of dedicated submersible pumps followed by replacement of dedicated bladder pump systems.

Groundwater Monitoring and Reporting for Altamont Landfill and Resource Recovery Facility, Livermore, CA. For Altamont Landfill, Ms. Schmiesing managed the sampling and monitoring of 13 groundwater wells and 6 leachate and sub-drain collection locations to determine the presence of potential releases from waste units impacting groundwater at this sanitary landfill. She managed the groundwater monitoring and reporting program under current state and federal requirements. She also managed additional projects, such as storm water sampling and monitoring, reporting, revisions to the Storm Water Pollution Prevention Plans (SWPPPs), installation of groundwater monitoring wells, and evaluation of CAPs for the groundwater interceptor barrier, monitored natural attenuation, and LFG control. She also performed technical review of draft WDRs and aided landfill staff in providing comments to the state regulatory agency.

Groundwater Monitoring and Reporting for Bradley Landfill and Recycling Center, Sun Valley, CA. Ms. Schmiesing managed sampling and monitoring of 10 groundwater wells and 5 leachate sumps at or adjacent to this closed sanitary landfill to determine the presence of potential releases from waste units impacting groundwater. She managed the groundwater monitoring and reporting program under current state and federal requirements. She also managed additional evaluations related to impacts to the landfill from off-site sources.

Groundwater Monitoring and Reporting for Simi Valley Landfill and Recycling Center, Simi Valley, CA. Ms. Schmiesing coordinated and oversaw sampling and monitoring of 10 groundwater wells and 5 leachate locations to determine the presence of potential releases from waste units impacting groundwater at Simi Valley Landfill. She managed the landfill's groundwater monitoring and reporting program under current state and federal requirements. She also prepared the annual leachate control system's effectiveness reports, conducted the resampling of groundwater wells as a result of initial statistical indications of a release and associated documentation required for these activities, and performed groundwater sampling for the collection of laboratory background data at new wells installed for future expansion area detection monitoring.

Groundwater Monitoring and Reporting for Redwood Landfill, Novato, CA. Ms. Schmiesing managed the sampling and monitoring of 15 groundwater wells, 6 leachate monitoring points, and a leachate pond to determine the presence of potential releases from waste units impacting

groundwater at Redwood Landfill. She managed the groundwater monitoring and reporting program for this sanitary landfill under current state and federal requirements. She also managed the resampling of wells as a result of statistical indications of a release, redevelopment of wells, and associated documentation required for these activities.

Groundwater Monitoring and Reporting for TriCities Disposal and Recycling Facility, Fremont, CA. Ms. Schmiesing managed the groundwater monitoring and reporting program for the closed TriCities Disposal and Recycling Facility, which included sampling and monitoring of 8 groundwater wells and 1 leachate monitoring point to determine the presence of potential releases from waste units impacting groundwater. She performed the technical review of draft and final WDRs, aided landfill staff in providing comments to the state regulatory agency, and prepared a site-specific monitoring plan.

Groundwater Monitoring and Reporting for Nu-Way Live Oak Reclamation, Irwindale, CA. Ms. Schmiesing coordinated and supervised sampling and monitoring of production groundwater wells and monitoring wells to determine the presence of potential releases from the inert waste units impacting the groundwater at the Nu-Way Live Oak Reclamation Facility. She performed reporting for groundwater monitoring and programs for Nu-Way Live Oak under current state and federal requirements.

Groundwater Monitoring and Reporting for Four Closed Placer County Landfills, Placer County, CA. Ms. Schmiesing managed the groundwater sampling and monitoring, surface water, leachate, and vadose zone locations, at or adjacent to the Loomis, Meadow Vista, Foresthill, and Eastern Regional Landfills, to determine the presence of potential releases from waste units. She managed the monitoring and reporting program for four landfills under current state and federal requirements. She also performed technical support for Placer County related to a request for discontinuation of groundwater sampling at the Foresthill Landfill, and evaluation of the groundwater monitoring networks at all four landfills. Lastly, she managed similar monitoring and reporting tasks at active Western Regional Sanitary Landfill between 2005 and early 2015.

Groundwater Monitoring and Reporting for Two Closed Landfills, Alameda County, CA. Ms. Schmiesing managed the groundwater sampling and monitoring, surface water, and leachate at or adjacent to Oyster Bay Landfill and West Winton Landfill, located near San Francisco Bay, to determine the presence of potential releases from waste units. She managed the monitoring and reporting program for the landfills under current state and federal requirements. She also performed technical review of draft WDRs for West Winton Landfill, and aided landfill staff in providing comments to the state regulatory agency.

Groundwater Monitoring and Sampling for Oroville Landfill Properties, Closed Wood Waste Landfill, Butte County, CA. Ms. Schmiesing managed the groundwater sampling and monitoring of groundwater and surface water at or adjacent to the closed wood waste landfill to determine the presence of potential releases from waste units. She managed the monitoring and reporting program for the landfill under current state and federal requirements.

Groundwater Reporting for One Active and Four Closed Ventura Regional Sanitation District Landfills, Ventura County, CA. Ms. Schmiesing managed the groundwater data review for the Bailard, Coastal/Santa Clara, Ozena, Tierra Rejada, and Toland Road Landfills to determine the presence of potential releases from waste units. She managed the reporting program for the five landfills under current state and federal requirements. She also provided technical support related to annual leachate control effectiveness for Toland Road Landfill.

Ms. Schmiesing has also managed and completed the sampling or reporting portions of regulatory required monitoring at the following landfill sites: Anderson Landfill (active; Anderson, CA), Brand Landfill (closed; Glendale, CA), Former Cal-Compact Landfill (closed, Carson, CA), Nu-Way Arrow Reclamation (inert; Irwindale, CA), Scholl Canyon Landfill (closed; Glendale, CA), Tequesquite Landfill (closed; Riverside, CA), Valley Land Development Landfill (closed; City of Industry, CA), and Waterman Landfill (closed; San Bernardino, CA). For Anderson Landfill, she has also performed technical review of draft WDRs, and aided landfill staff in providing comments to the state regulatory agency.

For more than 10 landfills, Ms. Schmiesing coordinated and managed preparation of work plans, sampling, and preparation of sample results reports, as required by Order WQ 2019-0006-DWQ (Order) issued by the State Water Resources Control Board (SWRCB) in March 2019. Work plans, sampling, and result reporting were required by the Order for one-time sampling at representative groundwater and leachate locations, and analysis of per- and polyfluoroalkyl substances (PFAS) at over 60 landfills in California.

Her project work also entails:

- **Azusa Soil Recycling Facility, Azusa, CA.** On a monthly basis, Ms. Schmiesing conducted review of soil profile, post-treatment, and confirmation analytical results related to the soil received and treated at this thermal treatment operation. She produced quarterly reports that summarize the analytical results and other compliance monitoring reporting requirements.
- **Inglewood Oil Field, Baldwin Hills, CA.** Ms. Schmiesing managed the sampling and monitoring of groundwater related to two agency permits that require different wells and parameters to be analyzed to determine the presence of potential releases from oil field and storm water impoundments. She managed the quarterly and semiannual monitoring reports requirements for the two Inglewood Oil Field monitoring permits.
- **Development and Direction of Field Investigations of Hazardous Material Sites to Identify and Characterize Contaminants in Soil and Groundwater in Accordance with Regulatory Requirements.** Contaminants include a variety of fuel-related hydrocarbons, volatile organic compounds, polychlorinated biphenyls, heavy metals, and pesticides.
- **Installation, Monitoring, and Sampling of Well Systems to Determine the Nature of Groundwater.** Evaluation of information for the assessment of impacted groundwater by contaminants such as petroleum hydrocarbons, volatile organic compounds, and metals.
- **Pre-Conveyance Environmental Assessments of Properties Prior to Real Estate Transfer or Refinancing.** Evaluation of on-site operations, identification of potentially contaminated sites, record searches of files maintained by regulatory agencies both for the subject and adjacent properties, and collection and analysis of soil and groundwater samples, where applicable.