GENEVA NGUYEN

Education

MS – Geochemistry and Petrology, University of Houston, 2020
BS – Geology, University of California, Riverside, 2018

Specialty Certifications

40-Hour HAZWOPER Training

Professional Experience

Geneva Nguyen is a trained geologist specializing in geochronology and petroleum geochemistry. Currently, she is a staff scientist responsible for environmental due diligence projects such as Phase I & II Site Assessments (ESAI & II). With over a year of direct professional experience in environmental consulting, Geneva has worked on over 90 ESAI reports and site investigation activities involving soil and soil vapor sampling; indoor air assessments; soil boring installations and subsequent analytical results analyses. Her computer capabilities include, but are not limited to ESRI ArcGIS, Adobe Acrobat, and Microsoft Office Suite. She is fluent in both English and Vietnamese.

Geneva's notable project experience is summarized below:

Construction Quality Assurance (CQA). Geneva provides CQA and oversight associated with the installation of landfill gas (LFG) mitigation and methane gas monitoring systems at the El Sobrante Landfill in Corona, CA.

Phase I Environmental Site Assessments (ESAs). Geneva contributes to Phase I Environmental Site Assessments (ESAs) completed in accordance with various lender, American Society for Testing and Materials (ASTM), or government guidelines. Activities consist of evaluating current and past on-site operations, generating historical property use information, identifying potentially contaminated sites in the surrounding areas, reviewing previous reports and/or files maintained by regulatory agencies, and developing conclusions regarding the presence of Recognized Environmental Conditions (RECs) and recommendations for further investigation.

Site Investigations. Geneva conducts soil gas surveys and soil sampling to evaluate the presence of volatile organic compounds (VOCs) associated with contaminated soils and methane, installs soil borings, conducts lithologic logging, collects soil samples, and evaluates subsurface contaminants in soil and groundwater according to regulatory agency requirements or generally accepted guidelines.

Research at the University of Houston, Houston, TX. As a graduate researcher, Geneva improved existing geochronology techniques in order to increase the accuracy of radiogenic isotopic dating of mantle xenoliths from cinder cones at sites in the western US. In conjunction, she developed a tracer modeling system to identify the degree of metasomatism in subduction zones using rare earth elements (REE) and highly siderophile elements (HSE). The purpose of this study was to provide a highly accurate age of the mantle lithosphere underneath North America and characterize the effect of alkaline magma intrusion in back arc settings.