

EVA LUU, E.I.T.

Education

M.Sc. Environmental Engineering | Technical University of Munich, Germany, 2017
B.S. Environmental Engineering Science | University of California, Berkeley, 2015

Professional Licenses

NCEES Engineer in Training (EIT) License #156370

Professional Affiliations

Professional Experience

Ms. Eva Luu is a Project Professional at SCS Engineers. She has 2 years of experience in ambient air monitoring in both an academic setting and the public sector, as well as 4 years of qualitative and quantitative data analysis experience. She has analyzed air quality data—such as sulfur compounds, formaldehyde, and heavy duty diesel related pollutants—from the South Coast Air Basin, to London, to the highest peak in Germany.

Currently, her responsibilities include the routine operation and inspection of air monitoring stations as well as the calibration and operation of pollutant analyzers, meteorological sensors, chart recorders, data acquisition systems, computers and their associated software and peripherals. Additionally, she compiles monthly air monitoring reports and submits validated, processed data for air monitoring stations to the California Air Resource Board and the Santa Barbara County APCD.

She is involved in the following SCS projects:

Landfill Waste Relocation Air Quality Monitoring | DFW, TX. Ms. Luu set up a temporary particulate monitoring station to sample for particulate matter, respirable dust, and asbestos during waste relocation at a landfill. She also trained field tech the operations and maintenance of equipment.

Landfill Surface Pollutant Concentration Measurements | New Orleans, LA. Ms. Luu was part of an SCS team that conducted an extensive field measurement program, following established EPA protocols and using recognized EPA and STM standards, to determine surface concentrations of a list of landfill-related gaseous compounds that have potential to cause odors. She is also responsible for compiling the data and assisting in writing the report to gauge the odor emissions potential of the landfill.

Beacon West Ambient Air Monitoring | Central Coast, CA. Ms. Luu provides assistance with the operation and maintenance of an odor and meteorological monitoring network by conducting biweekly site visits, monthly and semiannual calibrations, and maintenance to the sites as well as equipment. She uses technical knowledge and analytical skills to troubleshoot problems with instruments and compiles monthly reports regarding the following continuous air quality measurements: H₂S, TRS, THC, and SO₂, and meteorological parameters.

Lompoc PSD and Meteorological Monitoring | Lompoc, CA. Ms. Luu assists in the operation and maintenance of sites in accordance with the Santa Barbara County APCD's Protocol for Ambient Air



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and Meteorological Monitoring, including the processing, review, and validation of data, QA/QC compliance, calibrations, and data reporting. Measurements at these sites include H₂S, TRS, NO/NO₂/NO_x, O₃, THC, SO₂, and meteorological parameters such as wind speed, wind direction, and ambient air temperature.

PSD and Meteorological Monitoring | Central Coast, CA. Ms. Luu conducts routine site visits to ambient air monitoring sites in Carpinteria and within Los Padres National Forest in support of permit conditions for an on- and off-shore oil and gas recovery program. Tasks include review of data, assuring correct air flow and gas cylinder pressure, and maintaining instrumentation. On top of that, multipoint calibrations, data processing and validation, and QA/QC compliance are also conducted for pollutants such as NO/NO₂/NO_x, O₃, and meteorological parameters.

Projects prior to SCS include:

Multiple Air Toxics Exposure Study | Southern California. Ms. Luu investigated DPM quantification in relation to the health risks associated with BC in the South Coast Air Basin. She processed and analyzed more than five years of NO_x and BC data from the region in attempt to quantify DPM. Additionally, she is familiar with numerous emissions regulations, specifically related to on-road diesel vehicles.

Climate and Environmental Research | UFS Schneefernerhaus, Bavaria, Germany. The Environmental Research Station Schneefernerhaus continuously measures atmospheric chemical and physical properties that influence weather and climate. Ms. Luu assisted with the selection, correction, and processing of four years of HCHO data collected from the station.