



Skye Green P.E. - Senior Engineer

Education:

- Bachelor of Science, Environmental Engineering, University of California, Irvine
- Bachelor of Arts, English, University of California, Irvine
- Master of Science, Civil Engineering, University of California, Los Angeles

Certification and Training

40 hr OSHA 29 CFR

Professional Engineer Civil, CA

Professional History:

October 2006 to Present: Environmental Remediation Group - Senior Engineer

June 1998 - October 2006: Terra Vac, Corp.: Senior Engineer

University of California, Irvine: Microbiology Laboratory Associate

Representative Experience:

As a Senior Engineer and Project Manager Ms. Green has participated in more than 110 site assessment and remediation projects. Ms. Green's responsibilities at the Environmental Remediation Group (ERG) include oversight of Site Assessment and remediation system projects including: designing vacuum extraction and other remediation systems and managing the installation and operation of the remediation systems. Ms. Green is also Project Manager on soil and groundwater assessment and remediation projects. She reviews site assessment and remediation system data and uses this data to create work plans, remediation reports, proposals, remedial action plans, and many other necessary documents. She analyzes data obtained from aquifer and pump tests, and uses this data to conduct modeling for groundwater extraction system design. In addition, Ms. Green works with regulatory agencies to obtain the necessary permits and approval for these remediation systems. Ms. Green is also the health and safety officer.

As a Microbiology Laboratory Associate, Ms. Green supervised experiments on microbiological growth as it pertains to environmental engineering. She worked in collaboration with the Orange County Water District in California to obtain valuable information on groundwater quality at water recharge basins. She conducted pilot tests on biofilm growth in treated wastewater and tested the ability of this biofilm to remove viruses through percolation. Ms. Green worked to obtain funding on microbiology experiments from the OCWD. Other duties included proposal and technical paper writing, laboratory tests on microorganism growth and development, and gel electrophoresis.

Representative Project Experience:

- Project Manager for the Carson Plaza project. Ms. Green participated in the Site Assessment, remedial option selection, pilot testing, design, construction and operation of this chlorinated hydrocarbon remediation project. The project utilized the Dual-Phase Extraction technology enhanced by Electrical Resistance Heating (ERH).
- Project Manager for Exxon Mobil Refinery assessment and remediation project. Ms. Green managed the assessment and implementation of Dual Phase Extraction technology for remediation of petroleum hydrocarbons.
- Ms. Green was project Engineer for the Bakersfield Refinery project. Her duties and responsibilities on this project included design of dual-phase system, design and implementation of Chemical oxidation pilot. Review of collected operational and quarterly data, preparation of monthly, quarterly and semi-annual reports.
- Ms. Green was Project Engineer and Assistant Project Manager for the Mobil Torrance Refinery project. Her duties and responsibilities on this project included design of dual-phase system, design and implementation of Chemical oxidation pilot. Review of collected operational and quarterly data, preparation of operational reports. Oversaw system operations and performed QA/QC functions for data collection.
- As Project Engineer Ms. Green contributed significantly to the performance of the MCAS Yuma remediation project. The project involved LTM, remedial system operations of a Vertical Re-circulation System as well as SVE/AS Remediation system.

SELECTED ENVIRONMENTAL PROJECTS

- Senior Engineer for County of Merced Site Assessment and Selection of Remediation Options for Spring Fairgrounds, Los Banos, CA.
- Project Manager for NAVFACENGCOM Environmental Multiple Award Contract (EMAC) for Remedial Action Operations (RAO) and Long Term Monitoring (LTM).
- Senior Engineer for Electrical Resistive Heating remediation project - Carson California.
- Senior Engineer for Alameda Corridor Transportation Authority project - \$1 to \$5 million per year, long term, on-call environmental services. Includes remediation, site assessment, feasibility studies as well as asbestos abatement.
- Project Engineer for Stringfellow Superfund Site in Glen Avon, California - Designed, cost estimated and managed construction, installation, and testing for vacuum extraction system. Total remediation project budget \$1.5 million.
- Project Engineer for major construction firm in Irvine, California - Designed, estimated cost and managed construction, installation, equipment procurement, operation and regulatory interface of vacuum extraction/ air sparging bioremediation system. Site soil and groundwater impacted with approximately 30,000 lbs. of gasoline from a UST leak. Total remediation project budget \$800,000. Achieved closure from Orange County Health Care Agency and Regional Water Quality Control Board.

- Project Engineer for major defense contractor in Fullerton, California - Managed construction, equipment procurement, installation and operation of vacuum extraction remediation system and ex-situ stockpile remediation. Site soil and groundwater impacted with chlorinated hydrocarbons (TCE, PCE, Methylene Chloride) from clarifier leak. Total remediation project budget approximately \$2 million.
- Project Engineer for major oil company site in Los Alamitos, California - Managed construction, equipment procurement, installation and operation of dual vacuum extraction remediation system. Designed, implemented and obtained regulatory approval for a Hydrogen Peroxide injection system for remediation of site soils and ground water. Service station site soil and groundwater impacted with gasoline from UST leak. Total remediation project budget \$450,000.
- Project Engineer for City of Indio site in Indio, California - Managed design, equipment procurement, vacuum extraction bioremediation system. Designed, implemented and obtained regulatory approval for a bioremediation of site soils and ground water. Total remediation project budget approximately \$1 million.
- Project Engineer for major oil company site in San Diego, California - Managed design, construction, equipment procurement, installation and operation of vacuum extraction remediation system. Site soil and groundwater impacted with gasoline, and diesel free product. Total remediation project budget \$300,000. Achieved site closure from San Diego County Health Care Agency.