

**GEOSOLUTIONS, INC.**  
**STATEMENT OF QUALIFICATIONS**

**YEAR 2005**

**GEOSOLUTIONS, INC.**  
**220 HIGH STREET**  
**SAN LUIS OBISPO, CALIFORNIA 93401**  
**Phone (805) 543-8539**  
**Fax (805) 543-2171**  
**Email Address: [info@geosolutions.net](mailto:info@geosolutions.net)**

# **STATEMENT OF QUALIFICATIONS**

## **TABLE OF CONTENTS**

### **I. GENERAL INFORMATION**

- A. ORGANIZATION OF COMPANY
- B. GEOGRAPHICAL AREA SERVED
- C. PROJECT EXPERIENCE
- D. TECHNICAL SERVICES OFFERED
- E. EXTERNAL SERVICES UTILIZED
- F. QUALIFICATION AND ACCREDITATION
- G. TECHNICAL LIBRARY

### **II. SELECTED LIST OF ENGINEERING AND CONSTRUCTION PROJECTS**

### **III. SELECTED LIST OF ENVIRONMENTAL PROJECTS**

### **IV. RESUMES**

## **I. GENERAL INFORMATION**

### **A. ORGANIZATION OF COMPANY**

**Legal name of company:**

GEOSOLUTIONS, INC.

**Main office address:**

220 High Street  
San Luis Obispo, CA 93401  
Phone: (805) 543-8539  
Fax: (805)-543-2171  
E-mail Address: info@geosolutions.net

**Principal officers:**

Richard A. Pfost, President  
John M.D. Kammer, Vice President  
Jonna Louise Otto, Secretary  
Patrick B. McNeill, Treasurer  
Kraig R. Crozier, Vice President

**Responsible registered professionals:**

Richard A. Pfost, CEG #1281, RG #4104  
Jonna Louise Otto, PE #22056  
John M.D. Kammer, CEG #2118, CHG #502, RG #6295  
Patrick McNeill, PE #59577  
Kraig R. Crozier, PE#61361

**Description of Company:**

GeoSolutions, Inc. was formed in 1997 and has approximately 30 employees and six owners; Richard A. Pfost, John M.D. Kammer, Jonna Louise Otto, Patrick B. McNeill, Kraig R. Crozier, and Jack Greene. GeoSolutions, Inc. is a corporation that was founded by a diverse group of professional Civil Engineers, Engineering Geologists, and construction technicians. The principals of GeoSolutions, Inc. have been working in the San Luis Obispo area for over 25 years. GeoSolutions, Inc. offers subsurface exploration services, hollow-stem and cone penetrometer testing, for soil engineering, engineering geology studies, environmental services, and hydrogeological investigations. Our primary technique for these investigations is the use of our Mobile B-61, Mobile B-24, and CME 550 drill rigs. The CME 550 drill rig is a remotely operated tracked rig that can access locations that conventional drill rigs usually cannot access. Our subsurface drilling capability is to 150 feet. GeoSolutions, Inc. maintains an extensive soils laboratory for soils and concrete testing. GeoSolutions, Inc. carries both professional and general liability insurance.

### **B. GEOGRAPHICAL AREA SERVED**

The primary geographical area served by GeoSolutions, Inc. is central California including San Luis Obispo, Monterey, and Santa Barbara Counties.

### **C. PROJECT EXPERIENCE**

Clients served include city, county, and state government agencies, attorneys, realtors, bankers, utility companies, the military, and private individuals. GeoSolutions, Inc. is a consulting firm providing professional services in the following areas:

- Geotechnical engineering;
- Engineering geology evaluations;
- Professional soils engineering and construction testing services for Site development;
- Environmental site assessments for commercial real estate transactions (Phase I);
- Hydrogeologic investigations and ground-water resource exploration and development investigations;
- Assessment and remediation of soil and ground-water contamination;
- Coastal bluff evaluations;
- Fault investigations;
- Mine reclamation regulation compliance;
- Percolation testing and septic design;
- Landslide and slope stability analysis and mitigation; and
- Liquefaction potential analysis.

GeoSolutions, Inc. has performed a wide variety of projects including: engineering geology investigations; grading supervision of housing tracts; soil engineering investigations for commercial, governmental, and residential use; fault hazard investigations; landslide investigation and mitigation; slope stability evaluations for temporary and permanent slopes; hydrogeological evaluations including groundwater development potential; environmental assessments for property transfers; fuel and hazardous waste release assessments; monitoring compliance for State agencies; and coastal bluff evaluations including sea-wall construction oversight.

Groundwater and soil contamination assessment experience of GeoSolutions, Inc. project personnel includes technical consulting for: oil companies, chemical manufacturing facilities, auto dealerships, and governmental agencies. Remediation experience includes: development of site characterization studies, preparation of contractor and equipment vendor specifications, and implementation of remedial action plans. Groundwater remediation experience includes: actively enhanced bio-remediation and sparging, “pump and treat” technology, and treatment using air strippers and oil water separators. Soil remediation project experience includes: in-situ passive and enhanced biodegradation, in-situ vapor extraction and excavation, and off-site thermal treatment.

GeoSolutions, Inc. provides technical consulting for environmental investigations for real estate transactions, including environmental site assessments and development, and implementation of remediation programs at contaminated sites.

Groundwater supply exploration and development are additional aspects of GeoSolutions, Inc.’s technical services. Work conducted by project personnel includes: groundwater exploration, well design and supervision, aquifer testing and data interpretation, groundwater basin analysis, feasibility assessment and design considerations of rapid infiltration basins, and design of de-watering wells and arrays.

**D. TECHNICAL SERVICES OFFERED**

## **LABORATORY TESTING**

GeoSolutions, Inc.'s laboratory/materials testing staff performs the following tests. All testing shall be performed in accordance with proper test procedures as described herein.

### **Soil and Aggregate**

1. Atterberg Limits (ASTM D-4318)
2. Compaction of Soils (ASTM D-1557, Cal Test 216)
3. Direct Shear (ASTM D-3080)
4. Expansion Index (ASTM D-4829)
5. Flat and Elongated Particles (ASTM D-4791)
6. Hydrometer Analysis (ASTM D-422)
7. Particle Size Analyses (ASTM C-117, C-136, D-422, D-1140, D-2217)
8. Sand Equivalent (ASTM D-2419)
9. Water Content (ASTM D-2216)
10. Water Content and Dry Density (ASTM D-2937)

## **FIELD SAMPLING, INSPECTION, AND TESTING**

GeoSolutions, Inc. staff performs field sampling, testing, and inspection of the following construction operations and materials. The sampling, testing, and inspection shall be performed in accordance with proper procedures and policies as described in this document.

1. Well Installation
2. Groundwater Monitoring Wells
3. Septic Fields
4. Soils and Earthwork
5. Special inspection, ICBO/ICC: concrete and masonry

## **E. EXTERNAL SERVICES UTILIZED**

External services (laboratory subcontractors) utilized by GeoSolutions, Inc. shall meet the requirements of ASTM E-329 and E-548, as applicable to the service rendered.

## **F. QUALIFICATION AND ACCREDITATION**

GeoSolutions, Inc.'s equipment, policies and procedures shall be reviewed and approved by the following agencies:

1. ASTM
2. CCRL
3. ICBO/ICC

## **G. TECHNICAL LIBRARY**

GeoSolutions, Inc.'s laboratory shall have at least the following reference manuals in their technical library:

1. GeoSolutions, Inc.'s Quality System Manual
2. Uniform Building Code

GeoSolutions, Inc. Statement of Qualifications

3. CFR 29
4. ASTM Annual Book of Standards
5. Basin Plan – California Regional water Quality Control Board
6. Caltrans Standard Specifications
7. Title 24
8. Uniform Plumbing Code
9. Uniform Building Code Standards
10. Caltrans Manuals of Test Methods

## II. SELECTED LIST OF ENGINEERING AND CONSTRUCTION PROJECTS

### SOIL ENGINEERING INVESTIGATIONS

*San Luis Obispo, Santa Barbara, and Monterey Counties, CA*

GeoSolutions, Inc. has conducted approximately 1,100 Soil Engineering Investigations, foundation recommendations, and evaluation of liquefaction potential for single-family residences, wineries, industrial sites, office buildings, hotel developments, apartment complexes, and large housing tracts. Selected projects include:

- **Tract 5831, Arborwalk, Santa Maria, CA**  
Performed a soils engineering investigation for the 149 unit residential development.
- **Dolphin Bay Resort, 2727 Shell Beach Road, Pismo Beach, CA**  
Performed a soils engineering investigation for the three building motel/condominium development.
- **Pismo Beach Office Park, 5 James Way, Pismo Beach, CA**  
Performed a soils engineering investigation for the six building office development.
- **Lighthouse Suites, Avila Beach, San Luis Obispo County, CA**  
Performed a soils engineering investigation for the proposed motel.
- **Margarita Farms, Santa Margarita Area, San Luis Obispo County, CA**  
Performed soils engineering investigations for individual proposed residences.
- **Woodridge Residential Development, Atascadero, CA**  
Performed soils engineering investigations, geologic evaluation, and slope stability analysis for the proposed condominium, apartment complex, and single-family residential development.
- **Tract 2457, River Oaks Adult Active Community, Paso Robles, CA**  
Performed a soils engineering investigation for the 210 lot residential development.
- **Single-Family Residences in San Luis Obispo, Santa Barbara, and Monterey Counties, CA**

### GRADING SUPERVISION

*San Luis Obispo, Santa Barbara, and Monterey Counties, CA*

Grading observation and testing services for residential subdivisions, commercial buildings, shopping centers, single-family residences, apartments complexes, wineries, and golf courses. Selected projects include:

- **Tract 5801, Somerset Gardens, Santa Maria, CA**  
Provided Soils Engineering Report and performed grading observation and testing services for 60 residences with associated improvements.
- **Cherrywood Estates, Santa Maria, CA**  
Provided Soils Engineering Report and performed grading observation and testing services for 119 residences with associated improvements.
- **Tract 5831, Arborwalk, Santa Maria, CA**  
Provided Soils Engineering Report and performed grading observation and testing services for 149 residences with associated improvements.
- **Tract 5764, North Preisker Ranch, Santa Maria, CA**  
Provided Soils Engineering Report and performed grading observation and testing services for 594 residences and a drainage basin with associated improvements.
- **Cypress Ridge Golf Course and Residential Development, Arroyo Grande, CA**  
Provided Geotechnical Recommendations and a Soils Engineering Report Update and performed grading observation and testing services, special inspection services, and professional engineering and geologic engineering oversight during multi-million-yard grading project for 18-hole golf course, clubhouse, wastewater treatment plant, and approximately 350 single-family residences and with associated improvements.

- **Tract 2260, Berry Gardens, Arroyo Grande, CA**  
Provided a Soils Engineering Report and performed grading observation and testing services for 182 residences and associated improvements.
- **Tract 2397, LaSerena, Arroyo Grande, CA**  
Provided a Phase 1, Environmental Site Assessment and Soils Engineering Report and performed grading observation and testing services for 84 residences and associated improvements.
- **Tract 2328, Stonecrest Estates, Arroyo Grande, CA**  
Provided a Soils Engineering Report and performed grading observation and testing services for 26 residences and associated improvements.
- **Longs Drug Stores, Nipomo and Arroyo Grande, CA**  
Performed grading observation and testing services for the shopping centers and special inspection services for the Longs Drug Store Buildings.
- **Tract 2086, Villas al Mare, Pismo Beach, CA**  
Provided a Soils Engineering Report and performed grading observation and testing services, oversight of slope reconstruction, observation of benching and keyway construction for the 43-unit residential subdivision and associated improvements
- **Tract 2165, Playa Del Sol, Pismo Beach, CA**  
Provided a Soils Engineering Report and performed grading observation and testing services, oversight of slope reconstruction, observation of benching and keyway construction for the 40-unit residential subdivision and associated improvements
- **Dolphin Bay Resort, 2727 Shell beach Road, Pismo Beach, CA**  
Provided a Soils Engineering Report and performed soils engineering and engineering geology investigations, a coastal bluff review, an environmental site assessment – update, slope stability evaluations, grading observation and testing services, and special inspection services for three four-story motel/condominiums with underground parking and associated improvements.
- **Pismo Beach Office Park, 5 James Way, Pismo Beach, CA**  
Provided a Soils Engineering Report, Wetlands Liquefaction Potential, Slope Stability Evaluation, and Fault Investigation, and provided a grading observation, testing, and special inspection services for six office buildings and associated improvements.
- **Tract 2173, Silver Shoals Drive, Pismo Beach, CA**  
Provided grading observation and testing services for 10-unit residential subdivision and associated improvements.
- **San Luis Bay Estates (Quail Canyon, Heron Crest, Silver Oaks Estates, and Kingfisher Canyon), Avila Beach, CA**  
Performed grading observation and field density testing services, observation of benching and keyway construction, roadway improvements faulting investigation, and engineering geology consultation for 22 residences in Quail Canyon, 76 residences in Heron Crest, 6 residences in Silver Oaks Estates, and 101 residences in Kingfisher Canyon constructed in steep terrain.
- **The Highlands at Islay Hill, San Luis Obispo, CA**  
Performed grading observation and field density testing services, engineering and engineering geology consultation, and landslide mitigation, during the construction of a multi-stage development with over 100 residences with associated roadway improvements.
- **Tract 2193, Prefumo Canyon Creek Homes, San Luis Obispo, CA**  
Provided a Soils Engineering Report Update and a Fault Investigation and performed grading observation and testing services, and special inspection services for 35 residences and associated improvements located at the base of a steep mountain adjacent to Prefumo Creek.
- **Creekside Commercial Development, San Luis Obispo, CA**  
Provided a Soils Engineering Report Update, Slope Stability Evaluation, and Geosynthetic Reinforced Slope Recommendations and performed grading observation and testing services during the construction

of two office buildings and during the construction of a geosynthetic reinforced slope adjacent to San Luis Creek.

- **Tract 2289, The Willows II, San Luis Obispo, CA**  
Provided a Soils Engineering Report and grading observation and testing services for roadways and underground utilities.
- **Margarita Farms, Santa Margarita Area, San Luis Obispo County, CA**  
Provided a Soils Engineering Report and performed grading observation and testing services for the residential development, relocation of a water mainline, and associated improvements.
- **Tract 2376, Paso Robles CA**  
Provided a Soils Engineering Report Update and performed grading observation and testing services for 143 residences and associated improvements.
- **Tract 2457, River Oaks Active Adult Community, Paso Robles CA**  
Provided a Soils Engineering Report and performed grading observation and testing services for 210 residences and associated improvements.
- **The Crossings, Paso Robles, CA**  
Performed grading observation, field density testing, and special inspection services for Office Max, Target, Orchard Supply Hardware, Pier One Imports/Dollar Tree, and Ross within the shopping center.
- **Fetzer Winery, Paso Robles Area, San Luis Obispo County, CA**  
Performed grading observation and testing services with substantial savings to client in locating local source of aggregate for road base during the construction of the Winery production facility.
- **Hearst Castle Roadway Rehabilitation Project, San Simeon Area, San Luis Obispo County, CA**  
Provided a Soils Engineering Report with Landslide and Slope Stability Analysis. Performed grading observation and testing services during the construction of tieback anchor walls in active landslide areas.
- **Tract 1910, Heritage Ranch, Nacimiento Lake Area, San Luis Obispo County, CA**  
Performed grading observation and testing services for individual residences within the residential development. Also provided roadway remediation recommendations and grading observation and testing services during roadway repair operations.

## PERCOLATION STUDIES

*San Luis Obispo, Santa Barbara, and Monterey Counties, CA*

Performed hundreds of percolation tests, seepage pit disposal system designs, and septic system designs for single-family residences, wineries, large subdivisions, and community parks. Selected project include:

- **Tract 2270, Valle Vista, San Luis Obispo Area, San Luis Obispo County, CA**  
Performed percolation testing for each of the 33 residential lots.
- **Morganti Ranch, San Luis Obispo Area, San Luis Obispo County, CA**  
Performed percolation testing for each of the proposed synagogue.
- **Santa Ysabel Ranch, Paso Robles Area, San Luis Obispo County, CA**  
Performed percolation testing for each of the 146 residential lots.
- **Tract 1910, Heritage Ranch, Nacimiento Lake Area, San Luis Obispo County, CA**  
Performed percolation testing for each of the 150 residential lots.
- **Single-Family Residences in San Luis Obispo, Santa Barbara, and Monterey Counties, CA**

## ENGINEERING GEOLOGY EVALUATIONS

*San Luis Obispo, Santa Barbara, and Monterey Counties, CA*

Preparation of approximately 200 engineering geology reports. Requires evaluation of seismic hazard, landslide hazard, liquefaction hazard, erosion, and general stability and suitability. Selected projects include:

- **Biddle Ranch Subdivision, Arroyo Grande Area, San Luis Obispo County, CA**  
Engineering geology investigation for over 100-unit subdivision including fault trenching for active faults.
- **Santa Ysabel Ranch, Paso Robles Area, San Luis Obispo County, CA**  
Provide Engineering Geologic Evaluation and fault investigation for a 146 parcel residential development.
- **Margarita Farms housing development, Santa Margarita Area, San Luis Obispo County, CA**  
Provide Engineering Geologic Evaluation for residential development.
- **Botanical Gardens, San Luis Obispo Area, San Luis Obispo County, CA**  
Provide Engineering Geologic Evaluation for educational facility.
- **Marine Mammal Center, Morro Bay, CA**  
Provide Engineering Geologic Evaluation for mammal rescue center.
- **Woodridge Residential Development, Atascadero Area, San Luis Obispo County, CA**  
Provide Engineering Geologic Evaluation for the proposed residential development.

**LANDSLIDE ANALYSIS, MITIGATION**

*San Luis Obispo, Santa Barbara, and Monterey Counties, CA*

GeoSolutions, Inc. performed analysis of landslide and slope stability hazards. Numerical slope stability analysis of static and pseudo-static (seismic) conditions. Mitigation of hazards by completing plans, specifications, and conducting engineering oversight of landslide reconstruction. Selected projects include:

- **The Highlands at Islay Hill Development, City of San Luis Obispo, CA**  
Provide Geotechnical and Engineering Geologic Investigations and oversight of grading operations for mitigation of large (200,000 cubic yard) landslide for residential development.
- **Hearst Castle Landslide and Roadway Repair, San Simeon Area, San Luis Obispo County, CA**  
Provide subsurface Geotechnical Investigation, surface mapping, lab analysis, oversight of tieback walls construction, and directed placement of de-watering facilities.
- **San Luis Obispo High School, San Luis Obispo, CA**  
Provide Engineering Geologic Evaluation of Slope Failure at San Luis Obispo High School site. Mitigation included oversight of construction of repair.
- **California Polytechnic State University, San Luis Obispo, CA**  
Monitoring of slope stability of construction slope for new parking structure.
- **Woodridge Residential Development, Atascadero Area, San Luis Obispo County, CA**  
Provide Landslide Analysis for the proposed residential development.
- **Single-Family Residences in San Luis Obispo, Santa Barbara, and Monterey Counties, CA**  
Numerous analyses performed for hillside properties.

**FAULT INVESTIGATIONS**

*San Luis Obispo, Santa Barbara, and Monterey Counties, CA*

Subsurface investigations completed to verify presence of faulting and determination of movement potential. Selected Projects include:

- **Irish Hills Development, San Luis Obispo Area, San Luis Obispo County, CA**
- **Santa Ysabel Ranch, Paso Robles Area, San Luis Obispo County, CA**
- **San Luis Bay Estates, Avila Beach Area, San Luis Obispo County, CA**
- **Biddle Ranch Subdivision, Arroyo Grande Area, San Luis Obispo County, CA**

- **Single-Family Residences in San Luis Obispo, Santa Barbara, and Monterey Counties, CA**

#### **COASTAL BLUFF EVALUATIONS AND SEA CLIFF EROSION EVALUATION**

*San Luis Obispo, Santa Barbara, and Monterey Counties, CA*

Approximately 60 specific projects including analysis of coastal bluff retreat and erosional processes affecting coastal developments. Recommendations include types of coastal protection structures for construction. Numerous projects included supervision of protection structure installation. Selected Projects include:

- **Cliff's Resort Hotel, Pismo Beach, CA**
- **Piedras Blancas Motel, San Simeon Area, San Luis Obispo County, CA**  
Provide Geologic Assessment of Bluff Erosion and Sea Cliff Retreat for motel.
- **Cottage Inn by the Sea, Pismo Beach, CA**
- **Numerous single family dwellings**

### **III. SELECTED LIST OF ENVIRONMENTAL PROJECTS**

#### **CREEK HABITAT RESTORATION**

##### **City of San Luis Obispo, CA**

Oversight of San Luis Obispo Creek stream embankment reconstruction project to promote habitat restoration.

#### **CYPRESS RIDGE DEVELOPMENT**

##### **Arroyo Grande Area, San Luis Obispo County, CA**

The Cypress Ridge Development includes an eighteen-hole golf course adjacent to environmentally sensitive swales and sloughs. GeoSolutions, Inc. is continually monitoring wells in and adjacent to the golf course for possible pesticide and herbicide concentrations migrating into the sensitive areas of the project. Additionally, an exploratory groundwater investigation was initiated to determine the possibility of off-site contamination affecting the Site.

#### **CHORRO CREEK LEVEE AND STREAM RECONSTRUCTION**

##### **San Luis Obispo, CA**

Chorro Creek levee enhancement project for Soil Conservation Service.

#### **NEW NIPOMO HIGH SCHOOL ESA AND ENGINEERING GEOLOGY STUDY -**

##### **Nipomo, San Luis Obispo County, CA**

GeoSolutions, Inc. performed an Environmental Impact Report level environmental site assessment and Engineering Geology study for a proposed high school site in Nipomo, California. Project included cone penetrometer information to assess subsurface materials.

#### **CAMBRIA MINE - Cambria, San Luis Obispo County, CA**

The creeks located in the Cambria Mine complex northeast of Cambria are continually monitored by GeoSolutions, Inc. Water samples are collected on a quarterly basis and analyzed for hazardous waste metals due to past mining activities.

#### **SANTA MARGARITA RANCH - Santa Margarita, CA**

Performed tank closure assessment associated with the removal of an underground fuel storage tank. Prepared tank closure report in accordance with local regulations.

#### **BERRY GARDENS - Grover Beach, San Luis Obispo County, CA**

Berry Gardens is a proposed housing tract to be located in Grover Beach, CA. GeoSolutions, Inc. performed an environmental site assessment and conducted soil assessment and characterization for subsurface contamination.

#### **HYDROCARBON CONTAMINATION - Avila Beach, San Luis Obispo County, CA**

GeoSolutions, Inc. staff members have worked with various phases of the Avila Beach oil spill cleanup. Water, soil, and air have been sampled by GeoSolutions, Inc. in the Avila Beach area.

#### **DUMMIT ENTERPRISES - San Luis Obispo, CA**

Conducted site assessment at pre-existing fuel distribution facility including: drilling soil borings, soil sampling and analysis, and report preparation.

#### **THE CREAMERY - Higuera Street, San Luis Obispo, CA**

The Creamery is a historical commercial building located in the heart of San Luis Obispo, California. Our investigation included searching historical files at the San Luis Obispo City Museum. Performed environmental site assessment for hydrocarbon contamination including drilling soil borings, soil sampling and analysis, and report preparation.

**PHASE I – ENVIRONMENTAL SITE ASSESSMENTS, San Luis Obispo County, CA**

GeoSolutions, Inc. has performed approximately 140 other Phase I Environmental Site Assessments beyond those briefly mentioned above.

**IV. RESUMES**

**ANDREW W. PAYNTER**

**EDUCATION**

A.S. Associate Science, Cuesta Community College, San Luis Obispo, California

**REGISTRATION, CERTIFICATIONS AND PROFESSIONAL AFFILIATIONS**

OSHA 40 HR HAZMAT Compliance  
Nuclear Density Gauge Safety Certification  
ACI Concrete Field Testing Technical - Grade 1

**PROFESSIONAL EXPERIENCE**

- 2003 - Present **FIELD TECHNICIAN, GEOSOLUTIONS, INC., SAN LUIS OBISPO, CA**  
Responsible for grading observation and field density testing, documentation of test results, and sampling for various laboratory tests, basic steel fabrication, repair and maintenance of equipment, concrete sampling, obtaining concrete cores, and preliminary preparation of reports for construction department.
- 2000 - 2003 **DRILLING TECHNICIAN, GEOSOLUTIONS, INC., SAN LUIS OBISPO, CA**  
Duties included assisting in subsurface drilling and sampling operations, prepare samples from subsurface investigations for laboratory testing, performing laboratory tests, repair and maintenance of drill rigs, and welding.
- Summer 2000 **SECURITY GUARD, YELLOWSTONE NATIONAL PARK, WY**  
Duties included providing security for the Old Faithful Lodge located within Yellowstone National Park.
- 1998 - 2000 **COPELAND'S SUPER STORE, SAN LUIS OBISPO, CA**  
Duties included sales and maintenance of street and off-road bicycles.

**CARSON R. WILEY**

**EDUCATION**

B.S. Soil Science, California Polytechnic State University, San Luis Obispo, California

**REGISTRATION, CERTIFICATIONS AND PROFESSIONAL AFFILIATIONS**

Licensed General Engineering Contractor, State of California A712662

Nuclear Density Gauge Safety Certification

Radiation Safety Officer

**PROFESSIONAL EXPERIENCE**

1997 - Present **SENIOR SOIL TECHNICIAN, GEOSOLUTIONS, INC., SAN LUIS OBISPO, CA**

Responsible for grading observation and field density testing, documentation of test results, and sampling for various laboratory tests, preliminary preparation of reports for construction department.

1996 - 1997 **SENIOR SOIL TECHNICIAN, TERRATECH, INC., SAN LUIS OBISPO, CA**

Responsible for grading observation and testing of residential, commercial and industrial developments in San Luis Obispo and Santa Barbara Counties.

1994 - 1996 **WELDER/MECHANIC, TRUSCO TANK, INC., SAN LUIS OBISPO, CA**

Service and repair of generators, cranes, and air compressors. Welding and of specialized large tank building equipment

1984 - 1994 **HEAVY EQUIPMENT OPERATION/FOREMAN, BILL PAPICH CONSTRUCTION, ARROYO GRANDE, CA**

Operated all types of heavy earth moving equipment and trucks. Responsible for grading of all kinds of residential and commercial development. Examples include: building pads, roads, dams, septic systems, French drains, sewer, water and storm drains, steep hill side earthwork, and grading.

1978 - 1984 **SENIOR SOILS TECHNICIAN/DRILLER, SAN LUIS ENGINEERING, ARROYO GRANDE, CA**

Responsible for grading observation and testing of residential and commercial development. Operated Mobil Drill B-51 drill rig doing core drilling, soil sampling and exploration under direction of Soil Engineers, Geologists and The Army Corps of Engineers. Conducted lab work for the above mentioned work. Conducted post tension concrete inspection.

**DARREN K. HARROLD**

**EDUCATION**

Sierra College, Rocklin, California  
American River College, Sacramento, California  
Sacramento State University, Sacramento, California  
Cuesta Community College (Environment Engineering Emphasis), San Luis Obispo, California  
University of Nevada, Reno (Geology Minor, Storm Water Run-Off), Reno, Nevada  
University of the Pacific, Stockton, California

**REGISTRATION, CERTIFICATIONS AND PROFESSIONAL AFFILIATIONS**

OSHA 40 HR HAZMAT Compliance  
Nuclear Density Gauge Safety Certification  
ACI Concrete Field Testing Technical - Grade 1  
ACI Laboratory Technician - Grade 1

**PROFESSIONAL EXPERIENCE**

- 1999 - Present **LABORATORY MANAGER, GEOSOLUTIONS, INC., SAN LUIS OBISPO, CA**  
Responsible for laboratory testing, data entry of laboratory test results, project management, management of laboratory staff, supervision of Cement Concrete Reference Laboratory (CCRL) certification, inspection of pile driving operations, assisting of reinforcing steel inspection, and assisting in subsurface drilling and sampling operations.
- 1994 to 1999 **PRODUCTION MANAGER, CORBETT CANYON WINERY, SAN LUIS OBISPO, CA**  
Supervision of wine analysis, production of the wine, and bottling of the wine.
- 1993 - 1994 **VISALIA OAKS BASEBALL ORGANIZATION, VISALIA, CA**  
Professional Baseball Player

**JACK GREENE**

**EDUCATION**

B.A. History, Whitman College, Walla Walla, Washington

**REGISTRATION, CERTIFICATIONS AND PROFESSIONAL AFFILIATIONS**

ICBO Certified Special Inspector, Reinforced Concrete, 47487  
NICET, Level II, Geotechnical Engineering Technology - Construction, 075219  
ACI Concrete Field Testing Technician - Grade I  
Nuclear Density Gauge Safety Certification  
Radiation Safety Officer  
Registered Disaster Service Worker (O.E.S.)

**PROFESSIONAL EXPERIENCE**

1997 - Present **VICE PRESIDENT/PRINCIPAL, GEOSOLUTIONS, INC., SAN LUIS OBISPO, CA**

**PROJECT MANAGER**

Duties include grading observation field density testing, sampling for geotechnical investigations, sampling for expansion index testing, and project management.

1996 - 1997 **PROJECT MANAGER, G & O TESTING, CAYUCOS, CA**

Involved in all facets of soils testing including sampling for and preparation of soils engineering reports, expansion index testing, and project managing.

1993 - 1996 **INSPECTOR/SENIOR TECHNICIAN, TERRATECH, INC., SAN LUIS OBISPO, CA**

Responsible for grading observation and testing, laboratory analysis, preliminary site assessments, and special inspection of reinforced concrete.

1992-1993 **SENIOR INSPECTOR, EARTH SYSTEMS CONSULTANTS, ROCKLIN, CA**

Responsible for testing and inspection of pre-stressed concrete, expansive soils, percolation testing and slope repair in the Sacramento region.

1989-1991 **OFFICE MANAGER, APPLIED SOIL MECHANICS, HOLLISTER, CA**

Established a one-person office, which grew to three staff members working in Santa Cruz, Santa Clara, San Benito, and Monterey Counties. Responsible for Monterey County Housing Authority earthquake repairs, fault studies, and soil investigations.

1981-1989 **SENIOR TECHNICIAN, BUENA ENGINEERING, SAN LUIS OBISPO, CA**

Duties included geologic and geotechnical investigation studies involving landslides, slope stability, and distressed foundations; field logging of test borings; laboratory testing of soils; field inspection of foundation drilling operations on multi-level structures; inspection of rip-rap structures including seawalls and creek realignment; testing and inspection of public works and related projects; fill control testing and inspection of mass grading projects; preliminary site assessments; and ground water monitoring for environmental studies.

**JAMIE L. PFOST**

**EDUCATION**

B.S. Civil Engineering, California Polytechnic State University, San Luis Obispo, California  
A.S. Physical Science, Cuesta Community College, San Luis Obispo, California

**REGISTRATION, CERTIFICATIONS AND PROFESSIONAL AFFILIATIONS**

Engineer-In-Training, EIT 113885  
ACI Concrete Field Testing Technical - Grade 1  
Nuclear Density Gauge Safety Certification  
Radiation Safety Officer  
American Society of Civil Engineers - ASCE

**PROFESSIONAL EXPERIENCE**

1997 - Present **STAFF ENGINEER, GEOSOLUTIONS, INC., SAN LUIS OBISPO, CA**

Responsibilities include project management for geotechnical investigations, analysis of cone penetrometer testing (CPT), numerical slope stability evaluations for landslides, temporary and permanent slopes cut and fill slopes, project management for construction inspection and testing services, writing and reviewing technical reports for construction and engineering departments, coordination and organization of certifications and licenses, organization of documentation for Nuclear Density Gauges, and provide engineering support for construction services.

1996 - 1997 **ENGINEERING ASSISTANT, ENGINEERING DEVELOPMENT ASSOCIATES, SAN LUIS OBISPO, CA**

Duties included writing legal descriptions for properties, making corrections to project plans utilizing AutoCAD, surveying field work, downloading surveying data into AutoCAD and producing a topographic map, and calculating cut and fill quantities for grading plans.

1996 **ENGINEERING ASSISTANT, GARING, TAYLOR AND ASSOCIATES, ARROYO GRANDE, CA**

Duties included correcting to project plans utilizing AutoCAD, assisting project engineers with AutoCAD and formalization of project plans.

1996 **DRAFTSMAN, PALACIOS ARCHITECTS, SANTA MARIA, CA**

Duties included drafting architectural project plans utilizing AutoCAD.

**JEFF A. PFOST**

**EDUCATION**

**REGISTRATION, CERTIFICATIONS AND PROFESSIONAL AFFILIATIONS**

**PROFESSIONAL EXPERIENCE**

**JEFF L. PARSONS**

**REGISTRATION, CERTIFICATIONS AND PROFESSIONAL AFFILIATIONS**

Nuclear Density Gauge Safety Certification  
ACI Concrete Field Testing Technical - Grade 1  
ICBO - Certified Special Inspector Structural Masonry #5080210-84

**PROFESSIONAL EXPERIENCE**

- 2000 - Present **FIELD TECHNICIAN, GEOSOLUTIONS, INC., SAN LUIS OBISPO, CA**  
Responsible for grading observation and field density testing, documentation of test results, sampling for various laboratory tests, special inspection of structural masonry, and concrete field sampling and testing.
- 2000 **FOOD AND BEVERAGE CONSULTANT, CHELASTINOS RESTAURANT AND THE RITZ CLUB, EUREKA, CA**  
Responsible for downsizing the restaurant and club, such as reducing the wine and liquor inventory, reducing expenses, and reducing the staff.
- 1995 - 2000 **MAITER'D AND DINNING ROOM MANAGER, EUREKA INN, EUREKA, CA**  
Responsible for hiring and firing of staff, managing the \$165,000 wine and liquor menu, manager of 3 bars and a restaurant. Duties also included night manager on duty for the Eureka Inn, which included customer relations, bank deposits for the front desk, restaurant, and bars, managing night security and operations.
- 1994 - 1995 **FRONT DESK MANAGER, WEST BEACH INN, SANTA BARBARA, CA**  
Responsible for night auditing, accounting operations, check in/check out operations, bank deposits, all cash handling, and customer complaints.
- 1993 - 1994 **GENERAL PEST EXTERMINATOR, WESTERN EXTERMINATOR COMPANY, SANTA BARBARA, CA**  
Duties included site visits to determine the type of pest, determination of extermination chemicals, and exterminating operations. Certified with Branch 2 General Pest Control.
- 1991 - 1993 **FRONT DESK MANAGER, WEST BEACH INN, SANTA BARBARA, CA**  
Responsible for night auditing, accounting operations, check in/check out operations, bank deposits, all cash handling, and customer complaints.
- 1989 - 1991 **FRONT DESK MANAGER, OCEAN PALMS HOTEL, SANTA BARBARA, CA**  
Responsible for night auditing, accounting operations, check in/check out operations, bank deposits, all cash handling, and customer complaints.
- 1989 - 1993 **COURIER, COUNT-ON TITLE COURIER, SANTA BARBARA, CA**  
Duties included delivery of documents throughout the Santa Barbara area.
- 1983 - 1989 **NIGHT MANAGER, RED LION INN, EUREKA, CA**  
Responsible for managing overall hotel operations from 4:00 pm through 2 am, bank deposits and cash handling for 2 restaurants, a banquet room a bar, and the front desk, and provided customer service handling any complaints.

**JOHN M.D. KAMMER**

**EDUCATION**

M.S. Hydrology and Hydrogeology, University of Nevada, Reno, Nevada  
B.S. Geology and Geography, University of California Santa Barbara, California  
A.A. GeoScience Technology, Santa Barbara City College, Santa Barbara, California

**REGISTRATION, CERTIFICATIONS AND PROFESSIONAL AFFILIATIONS**

California Certified Engineering Geologist #2118  
California Certified Hydrogeologist #502  
California Registered Geologist #6295  
County of San Luis Obispo List of Qualified Geologists and Hydrogeologists  
OSHA 40 HR HAZMAT Compliance  
California Central Coast Geological Society member  
Association of Engineering Geologists

**PROFESSIONAL EXPERIENCE**

1997 - Present **VICE PRESIDENT/PRINCIPAL, GEOSOLUTIONS, INC., SAN LUIS OBISPO, CA**

**SENIOR ENGINEERING GEOLOGIST/HYDROGEOLOGIST**

Responsible for managing geologic exploration and research, and preparation of engineering geologic reports for construction projects. Projects include geologic input for slope stability analysis, landslide mitigation, fault trenching investigations, coastal bluff investigations, liquefaction studies, expert witness, roadway evaluations, water resource investigations and development, and drainage investigations. Environmental responsibilities include management of Phase I and Phase II Environmental Site Assessments.

1995 - 1997 **CONSULTING GEOLOGIST/HYDROGEOLOGIST, SAN LUIS OBISPO, CA**

Hydrogeologic and geologic site assessments to determine potential for fault rupture, landslides, flooding, and geologic hazards; water resource development projects; and geologic legal research. Participant in wetland delineation.

1992 - 1995 **HYDROGEOLOGIST, BROADBENT & ASSOCIATES, INC., RENO, NV**

Geologist for municipal ground-water supply well drilling activities. Project management of ground water and soil investigations and remediation of hydrocarbon contamination. Perform Phase I Environmental Site Assessments.

1991 - 1992 **HYDROGEOLOGIST, SIMON-HYDROSEARCH, RENO, NV**

Ground water monitoring and sampling.

1989 - 1991 **HYDROGEOLOGIST, BCI GEONETICS, SANTA BARBARA, CA**

Directed ground-water exploration studies. Participant in large-scale geologic/hydrogeologic mapping project for water well production using fracture trace analysis, aerial photograph data, seismic reflection, and magnetic surveys. Oversaw large-scale infiltration test for ground water recharge project.

1988 - 1989 **HYDROGEOLOGIST, RICK HOFFMAN ASSOC., SANTA BARBARA, CA**

Directed water well drilling activities for numerous single-family residences. Conducted geologic site assessments for developments. Completed geologic investigations for Environmental Impact Reports. Developed stream weir monitoring study.

**JONNA LOUISE OTTO**

**EDUCATION**

B.S. Architectural Engineering, California Polytechnic State University, San Luis Obispo, California

**REGISTRATION, CERTIFICATIONS AND PROFESSIONAL AFFILIATIONS**

Registered Civil Engineer – California C22056  
Registered Civil Engineer – Hawaii C4290  
Registered Structural Engineer – California S2301  
Registered Structural Engineer – Hawaii S4290  
Registered Structural Engineer – Arizona  
Registered Structural Engineer – Nevada S5843  
San Luis Obispo County Board of Construction Appeals

**PROFESSIONAL EXPERIENCE**

1997 - Present **SECRETARY/PRINCIPAL, GEOSOLUTIONS, INC., SAN LUIS OBISPO, CA**

**SENIOR ENGINEER**

Responsible for planning and preparing geotechnical investigations, coordinating geotechnical investigations with staff engineers, reviewing technical reports, providing professional assistance to staff engineers, drillers, and field technicians, and project management.

1986 - 1997 **G & O TESTING, CAYUCOS, CA**

Duties include design and evaluate all phases of new and existing construction, including soils, forensic engineering, and seismic retrofit of un-reinforced masonry buildings. Expert witness for structural construction defects. Prepared Soils Engineering Investigations for numerous single-family residences and commercial buildings.

1983 - 1986 **SENIOR PROJECT ENGINEER, ASSOCIATED PROFESSIONS, INC., PASO ROBLES, CA**

Project engineer for a large variety of structural and civil projects including subdivisions, hydrology, sewage facilities, office, and industrial complexes. Structural evaluation of existing buildings, structural field inspections, and numerous residential and commercial structural defects.

1980 - 1983 **CIVIL/STRUCTURAL ENGINEER, JONNA LOUISE OTTO, PE, MADERA, CA**

Worked with architects, engineers, contractors, and owners in preparing complete design packages for numerous types of projects and large processing plants, including Waste Water Treatment Facilities; Banks; Community Centers; seismic retrofit of multi-story un-reinforced masonry office building; and hotels and casinos. Work included field inspection and evaluation.

1979 - 1980 **ASSOCIATE ENGINEER, OAKLEY, KURISU & OKAMURA, FRESNO, CA**

Structural design and seismic evaluation for numerous commercial and industrial projects. Responsible for the design of multi-story office complexes utilizing steel space frames.

1978 - 1979 **ASSOCIATE ENGINEER, PETER TAYLOR & ASSOCIATES, KAUAL, HI**

Worked closely with the County Public Works Department to develop new land subdivisions.

1974 – 1977 **CIVIL ENGINEER, JONNA LOUISE OTTO, PE, HILO, HI**

**KRAIG R. CROZIER**

**EDUCATION**

B.S. Civil Engineering, California Polytechnic State University, San Luis Obispo, California

**REGISTRATION, CERTIFICATIONS AND PROFESSIONAL AFFILIATIONS**

Registered Civil Engineer - California C61361  
ICBO/ACI - Certified Special Inspector Reinforced Concrete #0950395-49  
ICBO - Certified Special Inspector Structural Masonry #0950395-84  
ICBO - Certified Special Inspector Pre-stressed Concrete #0950395-89  
NICET Level I Technician – Soils, Concrete, Asphalt  
ACI Concrete Field Testing Technician — Grade I  
Nuclear Density Gauge Safety Certification  
American Society of Civil Engineers –ASCE  
Supplemental Examiner – ACI Field Testing Technician Training

**PROFESSIONAL EXPERIENCE**

1998 - Present **VICE PRESIDENT/PRINCIPAL, GEOSOLUTIONS, INC., SAN LUIS OBISPO, CA**

**PROJECT ENGINEER**

Responsibilities include project management for construction inspection and testing services, special inspection of reinforced concrete, pre-stressed concrete and structural masonry construction, post construction evaluation of asphaltic concrete pavements, reinforced concrete, and masonry structures, project estimating, contract administration, project billing, review of technical reports for soils engineering department, and management and training of staff engineers and field technicians.

1997 - 1998 **STAFF ENGINEER, EIT, GEOSOURCE, INC., SAN LUIS OBISPO, CA**

Duties included; field and laboratory materials testing and inspection of Portland cement concrete, masonry, asphaltic concrete and soils, post construction evaluation of concrete slabs and asphaltic concrete pavements, writing and reviewing technical reports, and providing engineering support for construction services department.

1996 - 1997 **ENGINEERING TECHNICIAN, EIT, TERRATECH, INC., SAN LUIS OBISPO, CA**

Duties included; field and laboratory testing of construction materials including soils, asphaltic concrete, Portland cement concrete, and masonry. Batch plant inspection of asphaltic concrete and Portland cement concrete production. Preparation of equipment and procedures for laboratory certification (CCRL, Caltrans, and AASHTO). Training of part-time laboratory technicians in approved testing methods.

**NICK L. DRAKE**

**EDUCATION**

Professional Truck Driving Institute, Inc. (Class A License), Santa Maria, California  
Cuesta Community College, San Luis Obispo, California

**REGISTRATION, CERTIFICATIONS AND PROFESSIONAL AFFILIATIONS**

OSHA 40 HR HAZMAT Compliance  
Nuclear Density Gauge Safety Certification  
ACI Concrete Field Testing Technical - Grade 1  
Contractors License, C-57 #879272  
Class A California Drivers License – CDL A9360724

**PROFESSIONAL EXPERIENCE**

- 1999 - Present **DRILLING FOREMAN, GEOSOLUTIONS, INC., SAN LUIS OBISPO, CA**  
Responsible for subsurface drilling and sampling for geotechnical investigations, scheduling subsurface investigations, and maintenance and repair of equipment.
- 1997 - 1998 **OFFICE MANAGER, MCINTOSH AND ASSOCIATES, MORRO BAY, CA**  
Duties included providing maintenance and service for antique cars.
- 1998 - 1999 **YOUTH WITH A MISSION (YWAM), SOUTH PACIFIC AREA**  
Duties included ship pilot, education, and medical assistant.

**PATRICK B. MCNEILL**

**EDUCATION**

B.S. Civil Engineering, California Polytechnic State University, San Luis Obispo, California  
A.A. General Education, Santa Barbara City College, Santa Barbara, California  
Cuesta Community College, San Luis Obispo, California

**REGISTRATION, CERTIFICATIONS AND PROFESSIONAL AFFILIATIONS**

Registered Civil Engineer – California C59577  
American Society of Civil Engineers (ASCE)

**PROFESSIONAL EXPERIENCE**

1997 - Present **TREASURER /PRINCIPAL, GEOSOLUTIONS, INC., SAN LUIS OBISPO, CA**

**SENIOR ENGINEER**

Chief Financial Officer – CFO. Responsible for all financial related topics. Principal Engineer. Responsible for planning and conducting subsurface geotechnical and geo-environmental investigations, writing and reviewing reports, engineering support of construction and remediation activities, and performing Phase I and Phase II Environmental Investigations.

2000 - Present **LECTURER, CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO, CA**

Responsible for Instruction of CE 114, Introduction to Design. Course topics include Engineering graphics and/or computer aid drafting and design, an introduction to Microsoft Windows NT and Office 2000.

1996 - 1997 **PRESIDENT, GEOSOLUTIONS, A PARTNERSHIP, SAN LUIS OBISPO, CA**

Responsible for conducting subsurface drilling and sampling operations. Performed billing, accounts payable, as well as business development and management.

1995 - Present **LECTURER, CUESTA COLLEGE, SAN LUIS OBISPO, CA**

Responsible for course preparation and instruction. Courses include Engineering 26, Engineering graphics and/or computer aid drafting and design as well as Engineering 45, Materials Engineering.

1995 - 1997 **STAFF ENGINEER, TERRATECH, INC., SAN LUIS OBISPO, CA**

Responsible for planning and conducting subsurface geotechnical investigations, writing and reviewing reports, engineering support of construction activities, and performing Phase I and Phase II Environmental Investigations.

1993 - 1995 **ENGINEER ASSOCIATE, REGIONAL WATER QUALITY CONTROL BOARD, SAN LUIS OBISPO, CA**

Sampled soils and water. Review of consultant's reports. This included groundwater monitoring reports, groundwater monitoring plans, operation plans and closure plans. Additional duties included preparing permits for solid waste disposal sites, approve design proposals for Liner Systems, Leachate Collection, Removal Systems, and Final Cover Systems. Drafting for site maps and drawing details, performed compliance field inspections for permits and QA/QC of construction activities.

**RAHSAAN O. DUFF-TATUM**

**EDUCATION**

De Anza College, Cupertino, California  
Cuesta Community College (General Engineering Emphasis), San Luis Obispo, California  
California Polytechnic State University (General Engineering Emphasis), San Luis Obispo, California

**REGISTRATION, CERTIFICATIONS AND PROFESSIONAL AFFILIATIONS**

OSHA 40 HR HAZMAT Compliance

**PROFESSIONAL EXPERIENCE**

- 1999 - present **ENVIRONMENTAL TECHNICIAN, GEOSOLUTIONS, INC., SAN LUIS OBISPO, CA**  
Duties include site reconnaissance for Phase 1 and Phase 2 Environmental Site Assessments, conducting percolation tests, compiling data, and writing formal percolation test reports and septic system design reports.
- 1995 - 1999 **CARE GIVER, OPTIONS CENTRAL COAST NEURAL BEHAVIOR CENTER (CCNB), MORRO BAY, CA**  
Provided daily assistance to developmentally challenged people. Duties included providing assistance with daily chores, activities, mealtime, and basic living needs.
- 1993 - 1995 **PREPARATION CHEF, MABUHY RESTAURANT, SAN LUIS OBISPO, CA**  
Duties included preparation of food and taking food orders for the Philippine cuisine restaurant.
- 1992 - 1993 **PREPARATION CHEF, VISTA GRANDE CAFE, SAN LUIS OBISPO, CA**  
Duties included preparation of food and taking food orders.

**RICHARD A. PFOST**

**EDUCATION**

B.S. Geology (Engineering Option), San Diego State University, San Diego, California  
A.S. Physical Science, Cuesta Community College, San Luis Obispo, California

**REGISTRATION, CERTIFICATIONS AND PROFESSIONAL AFFILIATIONS**

Registered Geologist - California RG 4104  
Certified Engineering Geologist - California CEG 1281  
ACI, Concrete Field Testing, Grade I  
Association of Engineering Geologists  
County of San Luis Obispo List of Qualified Geologists  
Geological Society of America  
San Luis Obispo Contractors Association

**PROFESSIONAL EXPERIENCE**

1997 -Present **PRESIDENT/PRINCIPAL, GEOSOLUTIONS, INC., SAN LUIS OBISPO, CA**

**SENIOR ENGINEERING GEOLOGIST**

Responsible for planning and conducting geologic investigations, coordinating geologic/geotechnical investigations with engineers, writing and reviewing technical reports, professional support of construction testing and inspection, and project management.

1992-1997 **PROJECT/SENIOR ENGINEERING GEOLOGIST, TERRATECH, INC., SAN LUIS OBISPO, CA**

Responsible for planning and conducting geologic investigations, coordinating geologic/geotechnical investigations with engineers, writing and reviewing technical reports, professional support of construction testing and inspection, and project management.

1989-1992 **VICE PRESIDENT, DEPARTMENT MANAGER, PACIFIC GEOSCIENCE, INC./EARTH SYSTEMS CONSULTANTS, SAN LUIS OBISPO, CA**

Responsible for the Field Inspection and Testing Department. Functions included managing large projects, coordinating field operations, maintaining standards and procedures, conducting geologic/geotechnical investigations with engineers and writing and reviewing technical reports.

1977-1989 **VICE PRESIDENT, AREA MANAGER, SENIOR ENGINEERING GEOLOGIST, BUENA ENGINEERS, INC., SAN LUIS OBISPO, CA**

Directed transition of San Luis Obispo field office to branch status. Role included direct office and company management, as well as project development, planning and conducting geologic investigations, coordinating geologic/geotechnical investigations with engineers, writing and reviewing technical reports, client relations, and managing regional marketing efforts.

1976-1977 **FIELD TECHNICIAN, STAFF GEOLOGIST, ALVARADO SOIL ENGINEERING, LA MESA, CA**

Functions involved earthwork observation and testing, laboratory soil testing, conducting geotechnical/geologic investigations with engineers, and writing technical reports.

**SHAWN D. LAGER**

**EDUCATION**

B.S. Soil Science, California Polytechnic State University, San Luis Obispo, California  
A.S. Physical Science, Cuesta Community College, San Luis Obispo, California  
Crafton Hills College (43 Fire Academy), Yucaipa, California

**REGISTRATION, CERTIFICATIONS AND PROFESSIONAL AFFILIATIONS**

OSHA 40 HR HAZMAT Compliance

**PROFESSIONAL EXPERIENCE**

- 2003 - Present **STAFF ENVIRONMENTAL ENGINEER, GEOSOLUTIONS, INC., SAN LUIS OBISPO, CA**  
Duties include proposal writing, cost estimation, and preparing scope of work for environmental services, conducting Phase I and Phase II environmental investigations and assessment report writing, designing engineered septic systems, performing soil and groundwater monitoring events, conducting percolation testing and report writing, assisting in drilling and sampling activities, and preparing Soils Engineering Reports.
- 2002 - 2003 **LABORATORY TECHNICIAN, GEOSOLUTIONS, INC., SAN LUIS OBISPO, CA**  
Duties included testing soil in the laboratory in accordance with ASTM standard, and analyzing and reporting test results.
- Summer 2000 **INTERN, SAN LUIS OBISPO COUNTY AIR POLLUTION CONTROL DISTRICT, SAN LUIS OBISPO, CA**  
Duties included estimating landfill emission factors, participating in the Central California Ozone Study (CCOS), and assisting in the 1999 emission inventory.
- 1997 - 2000 **TECHNICIAN, HOME APPLIANCE CENTER, ARROYO GRANDE, CA**  
Duties included delivery and installation of major appliances, and assisting with the parts department.