

Education:

M.S., University of CA,
Los Angeles (UCLA)
Environmental
Engineering (1997)

B.S., California State
Polytechnic University,
Pomona, California
Civil Engineering
(1989)

The Princeton Course on
Groundwater Pollution
and Hydrology

Registrations:

Professional Civil Engineer
Registered in the State of
California (#C 48725)

Arizona Department of
Environmental Quality
Pre-qualified UST
Consultant

**Professional
Memberships:**

American Society of Civil
Engineers

California Groundwater
Association - Member

National Groundwater
Association - Member

Certifications:

40-Hour Hazardous Waste
Operation/Emergency
Response

8-Hour Hazardous Waste
Operations Site
Supervisor Training

8-Hour HAZWOPER

Refresher Training
First Aid / CPR, 1995

Mr. Acosta is a registered Civil Engineer with 18 years experience in conducting Remedial Investigations, Feasibility Studies and Environmental Site Assessments, preparation of Remedial Action Plans and design and implementation of contaminated site remediations. Mr. Acosta has had extensive experience in the implementation and supervision of both site characterizations and cleanup activities.

Environmental Site Assessment:

Staples Center Development Environmental Investigations, Los Angeles, California. Project engineer performing a phase two investigation for construction of the Staples Center Arena site in the downtown Los Angeles. The phase I investigation had shown a variety of locations of potential concern based on historical site usage, prior to construction of the Los Angeles Convention Center. Work included drilling and collection of soil boring samples from several locations, both inside and adjacent to the previously existing North Hall building of the convention center. Also coordinated and performed three tank removal operations in support of the construction of the Staples Center Arena in downtown Los Angeles. Work included coordination with the arena company, site construction personnel and the City Fire Department to expedite removal and closure of three underground storage tanks found during construction of the Staples Center Arena.

Orange County Resources and Development Management Department Environmental Investigations. Project Manager for Phase I and II Site Assessments on properties proposed to be impacted by the enlargement of the Prado Dam Reservoir Basin. Several independent investigations were performed for various sites in Riverside and Orange Counties. Each investigation included review of historical records and information sources and site reconnaissance in accordance with ASTM standards and the specific requirements of the Orange County Public Facilities Resource Department. Where necessary, subsequent investigations were performed which included collection and analysis of soil, groundwater and soil gas samples.

Los Angeles County Metropolitan Transportation Authority Environmental Site Assessment Services. Project Manager for hazardous materials support services to the MTA in support of the development of the MTA's rights-of-way in Southern California. Services provided have included Phase I and II environmental site assessments, asbestos and lead paint surveys and abatement design, and responses to emergency spills.

Union Station Parcel Redevelopment, Los Angeles, California. Project Manager overseeing a phase two investigation of a portion of the Los Angeles Union Station property designated for development as the main offices for the Proposition 10 Children and Families First Commission which included a daycare center. Work included drilling and collection of soil

Professional Experience:*1999 – Present*

Vice President,
Environmental Services,
Director, Environmental
Services Division
Bryan A. Stirrat Associates

1996 – 1999

Project Manager
Bryan A. Stirrat & Associates
Diamond Bar, California

1994 – 1996

Project Manager
Aman Environmental
Construction, Inc.
Covina, California

1989 – 1994

Project Engineer
Bryan A. Stirrat & Associates
Diamond Bar, California

borings samples from several locations, performance of a soil gas survey at the site, and development of recommendations regarding necessary remedial activities that would allow for the proposed development to proceed while mitigating any health risks at the site. The level of concern regarding this development was high given the mission statement of the Proposition 10 Commission and the partial use of the site as a daycare center.

Poso Creek Oil Field Phase I and II Site Investigation. Project Engineer conducting a Phase I and II Investigation of the inactive oil field and crude processing facilities north of Bakersfield, California. Tasks included sampling of surface and subsurface soils, crude processing sumps, and above and below ground tanks.

Yuma Marine Corps Air Station, Yuma, Arizona. Project Manager conducting a Phase I Site Assessment of 55 contiguous assessor's parcels encompassing an area of approximately 1,640 acres adjacent to the existing MCAS in Yuma, Arizona. Investigations were conducted in support of a proposed expansion of the base.

Former Convenience Store Properties. Performed limited Phase I site assessments for 11 Circle K properties throughout Orange and Los Angeles Counties.

Remediation Planning:

San Bernardino Municipal Water Department. Supervising engineer overseeing the development and implementation of the Interim Corrective Action Plan, and continuation of groundwater monitoring program for this former UST site in San Bernardino, California. The site is contaminated with petroleum hydrocarbons, BTEX and MTBE. Work at the site included exploratory borings, construction of groundwater monitoring and vapor extraction wells, performance of vapor extraction testing and groundwater monitoring and report preparation. The site is overseen by the local county enforcement agency and receiving funding from the state UST Fund.

Norwalk Soil Vapor Extraction System. Project manager for the design, construction and operations of a soil vapor extraction system at a brownfields site in the City of Norwalk, California. The site was a former major oil company tank farm being developed into as a residential subdivision. Work included negotiation with the Los Angeles Regional Water Quality Control Board on establishing reasonable cleanup standards for occupancy; design and construction of a soil vapor extraction system; coordination with the City of Norwalk regarding site cleanup; and health and safety monitoring, up-wind and down-wind ambient air monitoring, and SCAQMD emission compliance monitoring during construction of the housing development.

Milliken Landfill Groundwater Pump and Treat System Design. Project design engineer during construction of the groundwater pump and treat system at the Milliken Landfill. Work included review of submittals, field design of system elements, preparation of an O&M manual, system start-up and shakedown, coordination of system operation and sampling, and coordination with the project construction manager and client.

Mid Valley Landfill Groundwater Pump and Treat System Design. Project manager in charge of the design of the upgrade and expansion of the groundwater extraction, treatment and re-injection system at the Mid Valley Landfill. The system expansion included installation of 16 groundwater extraction wells and 19 re-injection wells over a 3/4 mile point of compliance, installation of conveyance piping and controls for the new wells, upgrade of the air stripper treatment system components, upgrade of the electrical system and process controls and instrumentation. Work included evaluation of the existing treatment system and preparation of design drawings, specifications and bid documents for the expansion.

Rosen's Electric Site Clean Closure, Pico Rivera, California. Project Manager for development and implementation a remedial design for the cleanup of a PCB impacted site. PCB impacts to shallow soil and groundwater encompass portions of the site and the adjacent railroad right of way. Activities included development of a remedial design for the excavation and removal of the most highly impacted soil and capping of the areas of the site where contamination is to be left in place. The project is being overseen by the California Department of Toxic Substances Control, Glendale office.

Rialto Perchlorate and VOC Mitigation, Rialto, California. Project Manager for site investigation and remediation services to support the mitigation of perchlorate and volatile organic compound (VOC) impacts to groundwater which were threatening groundwater resources upgradient of one of the City of Rialto's primary municipal water supply wells. Project involved preparation of a Feasibility Study (FS) to evaluate alternatives to mitigate groundwater impacts, and design and construction support during installation of a groundwater treatment.

San Dimas Grove Station Landfill Clean Closure, San Dimas, California. Project Manager for the development and implementation of a clean closure plan for a commercial development in the City of San Dimas. Work included investigation of soil, waste and landfill gas at the site, coordination with the developer and development team on closure alternatives, development of a clean closure work plan, coordination with overseeing regulatory agencies on approvals and permits, oversight and documentation of clean closure activities, and preparation of a closure report. Overseeing regulatory agencies for the site include the Regional Water Quality Control Board, County Environmental Health and Public Works Departments, and South Coast Air Quality management Districts.

San Diego Unified Port District, Campbell Shipyard Remediation.

Provided engineering oversight for the removal, stabilization and disposal of impacted sediments adjacent to the San Diego Convention Center. Impacted sediments located beneath an existing concrete ramp and pier contained free petroleum hydrocarbons which had to be contained and controlled during implementation of removal activities. Prepared a removal action workplan (RAW) and associated documents detailing various elements of the remedial activities to be performed at the site, coordinated confirmation sampling efforts, documented and recorded the progress of removal actions, and interfaced with the Port's consultant on technical issues. The RAW for the site was reviewed and approved by the Port of San Diego, the Regional Water Quality Control Board, the Coast Guard, the US Fish and Game Department, and the San Diego County Environmental Health Department.

San Diego Unified Port District FG&H Leasehold Soil Remediation.

Project Manager coordinating the removal, treatment, and replacement of approximately 1,600 tons of diesel impacted soil from a site located adjacent to San Diego Bay.

Former Unocal Tank Farm Remediation and Redevelopment, Norwalk, California. Project manager for the design, construction and operations of a soil vapor extraction system at a brownfields site in the City of Norwalk, California. The site was a former major oil company tank farm being developed into as a residential subdivision. Work included negotiation with the Los Angeles Regional Water Quality Control Board on establishing reasonable cleanup standards for occupancy; design and construction of a soil vapor extraction system; coordination with the City of Norwalk regarding site cleanup; and health and safety monitoring, up-wind and down-wind ambient air monitoring, and SCAQMD emission compliance monitoring during construction.

Norwalk Tank Farm Pipe Removal and Remediation, Norwalk, California. Project manager coordinating the investigation and subsequent removal of underground product piping at a site in the City of Norwalk. Work included the coordination and supervision of geophysical survey to locate abandoned piping, excavation and removal of several thousand feet of product piping, excavation and disposal of impacted soils and compliance with site specific health & safety and regulatory guidelines.

California Department of Transportation As-Needed Environmental Investigation and Remediation Contract. Project Manager overseeing the performance and administration of various Task Orders requested by Caltrans for work performed under this \$2 million contract. In this position, acted as Task Order Manager overseeing completion of specific task orders as well as supervising and advising Task Order Managers in the completion of work. Coordinated task orders being performed in various Districts and acted as primary contact for Caltrans technical and administrative staff.

Solomonville School District UST Site Remediation, Solomon, Arizona. Project Manager preparing and implementing the natural attenuation Corrective Action Plan (CAP) for petroleum impacted soils and groundwater at the Solomonville Elementary School in Solomon, Arizona. Activities include CAP preparation, monitoring, and confirmation of natural attenuation processes, coordination with the Arizona Department of Environmental Quality, and preparation of State Assurance Fund reimbursement and pre-approval documentation.

EPC Eastside Landfill, Kern County, California. Member of the project team preparing the remedial investigation and feasibility study for the oil field waste disposal site in Kern County. Responsibilities included preparation of a focused risk evaluation for the site, assistance in preparation of the feasibility study, and coordination and supervision of groundwater monitoring and reporting program.

Gardena Valley 1 & 2 Landfill, State Superfund Site, Gardena, California. Project Engineer preparing the approved Remedial Investigation (RI) / Feasibility Study (FS) Workplan, implementing field operations including sampling of soil, groundwater, landfill gas, and soil pore liquids, preparing the approved RI Report, preparing the approved FS Report, preparing CEQA documentation, preparing the approved Remedial Action Plan (RAP), and coordinating community relations activities. All activities were performed for submittal to California DTSC.

Basin-By-Products State Superfund Site, Wilmington, California. Project Engineer preparing the RI/FS Workplan, implementing field operations including sampling of soil and groundwater, and preparing the interim RI Report. All activities were performed for submittal to California DTSC.

Cal Compact Landfill State Superfund Site, Carson, California. Member of technical staff preparing Remedial Investigation and Feasibility Study Work Plan site located in City of Carson, California.

Environmental Monitoring & Maintenance:

San Bernardino County Groundwater Monitoring Program. Project manager supervising and coordinating field activities for groundwater monitoring at 24 operating and closed municipal waste landfills within the County of San Bernardino. Work includes supervision and coordination of field crews in collecting groundwater, surface water, landfill gas condensate and soil pore gas samples, review of field data, coordination with the analytical laboratory, other technical staff and landfill operators, and development and implementation of a low-flow minimal drawdown sampling program.

Imperial County Groundwater Monitoring Program. Project manager supervising and coordinating field activities for groundwater monitoring at

various operating and closed municipal waste landfills within Imperial County. Work included supervision and coordination of field crews in collecting groundwater samples, review of field data, coordination with the analytical laboratory, and other technical staff.

San Bernardino County 1150.1 Monitoring Program. Project engineering for SCAQMD Rule 1150.1 monitoring and reporting programs for four active landfills in the County of San Bernardino. Work included coordination with field crews and analytical laboratories in completing all monitoring, sampling and analyses in accordance with the rule, reporting of exceedances and coordination with operators on mitigation measures and re-monitoring, and preparation and submittal of quarterly reports. In addition, assisted in the development of revised monitoring and report programs for the sites following update of the rule by SCAQMD.

San Bernardino County Landfill Gas Extraction and Treatment Systems. Project engineer and client liaison for operations, maintenance and monitoring of landfill gas extraction and treatment systems at four sites in San Bernardino County. Work included coordination with field crews, subcontractors, vendors and operations personnel for each site to maintain the landfill gas extraction and treatment (flaring) systems in compliance with SCAQMD requirements while minimizing impacts to landfill operations.

San Bernardino County Perimeter Probe Monitoring. Project manager coordinating the monitoring of perimeter landfill gas detection probes for fifteen sites in the County of San Bernardino. Work includes coordination of field crews and data reduction and preparation for inclusion in the quarterly Subtitle 'D' monitoring reports.

Royal Boulevard Land Reclamation Site. Project Manager supervising and coordinating post-closure activities for the closed inert waste landfill near the City of Carson, California. Work includes monthly inspections and reporting, coordination of site maintenance, and semi-annual groundwater monitoring and reporting for the Los Angeles Regional Water Quality Control Board.

Santiago Canyon Landfill. Project manager in charge of operations and maintenance of the groundwater and condensate treatment system. The system includes a groundwater and condensate extraction, collection and storage system, a metals precipitation pretreatment system, an air stripper for removal of organics and a final treated water storage and testing area. Work included routine and non-routine operations and maintenance of all system components, ongoing system evaluation, and development of recommendations for system modifications and improvements.