

Education:

BS, Civil Engineering,
California State
Polytechnic
University, Pomona,
1984

Graduate Level Courses
in Solid Waste
Management,
Hazardous Waste
Management,
Chemical and
Biological Processes,
University of Southern
California,

Ms. Arbogast is a Registered Civil Engineer with 23 years of civil engineering experience in environmental and waste management projects. She has directed long-term strategic planning studies for public solid waste management agencies, and has managed the development of expansion and master development plans for large metropolitan landfills. This has involved coordination of engineering, design, permitting, and geotechnical/hydrogeological studies for small and large scale projects. In addition, she has been Project Manager, or Senior Reviewer during the preparation of closure plans for more than 40 California landfill facilities. Her permit related activities have required intensive regulatory agency compliance coordination in the preparation of engineering design plans and regulatory documents.

Registrations:

Registered Civil
Engineering, California
(#42578), 1986

Memberships:

American Society of Civil
Engineers
Technical Outreach, Inc.
Vice President

Solid Waste Planning Studies:

City of San Diego Long Term Resource Management Options Strategic Plan. Project Manager for a strategic planning study to identify feasible long-term waste management options for the City of San Diego. The study is evaluating opportunities for promoting Zero Waste philosophies and programs, and evaluating the feasibility of activities, programs, facilities and technologies that can be implemented as part of the City's Resource Management Program. The study is evaluating various best practices for Zero Waste Programs. This includes recovery at the City's landfill, source separation, resource recovery programs and facilities, and identification of a model Zero Waste policy/program for potential implementation by the City.

Regional Landfill Options for Orange County (RELOOC) Study, Project Administrator for long-term strategic plan for a metropolitan waste disposal system. The objective of the project is to develop a selection of solid waste disposal options and/or technological alternatives to meet the long-term regional solid disposal capacity requirements of the County.

Solid Waste Planning Study, San Bernardino County, California. Project Coordinator for the Norcal Strategic Implementation Plan. Responsible for the development of expansion plans and associated costs for ten landfills, and for the review and development of closure/post closure costs for 38 active and inactive landfill sites in San Bernardino County, California.

Inactive Landfill Strategic Plan. Project Manager for development of a strategic plan for the future management of 15 inactive disposal sites owned by a metropolitan waste management agency. The scope of work included preparation of detailed assessments of each of the sites, evaluation of long-term maintenance costs, financial modeling, and development of a detailed cost/benefit analysis.

Professional Experience:

*1989 - Present:
Vice President of Solid
Waste, Senior Project
Manager
Bryan A. Stirrat &
Associates
Diamond Bar, California*

*1986 - 1989:
Civil Engineer I,
Hydraulic/Water
Conservation Division
Los Angeles County
Department of
Public Works,
Alhambra, California*

*1984 - 1986:
Senior Civil Engineering
Assistant, Waste
Management Division
Los Angeles County
Department of
Public Works
Alhambra, California*

*1982 - 1984:
Student Assistant
Engineer, California
Department of
Transportation,
Los Angeles District
Los Angeles, California*

Landfill Permitting / Regulatory Compliance:

Site Development Planning and Permitting, Prima Deshecha Landfill, San Juan Capistrano, California. Project Manager responsible for preparation of documents in support of future development projects at this 1,500-acre municipal solid waste landfill. Overall tasks have involved preparation of preliminary development plans, geotechnical and geologic evaluations, hydrogeologic investigations, phased development plans, visual mitigation measures, and construction plans/specifications. Regulatory compliance responsibilities have included obtaining a 404 Permit from the Army Corps of Engineers, 1601 Streambed Alteration Permit from the California Department of Fish and Game, 401 Water Quality Certification permit from the Regional Water Quality Control Board and Biological Opinion permit from the United States Fish & Wildlife Services for Zone 1 operations.

Master Plan Update, Frank R. Bowerman Landfill, Orange County, California. Project Manager for preparation of an updated Master Development Plan for the site to address remediation of a large landslide which has occurred in the northern portion of the landfill. This involved coordination of permitting, CEQA analysis, geotechnical investigations and slope stability analyses, and development of design alternatives for remedial grading and stockpiling.

Landfill Vertical Expansion Permitting, Olinda Alpha Landfill, Brea, California. Project Manager for project which included the coordination of geotechnical and hydrogeologic studies, development of a Master Plan and interim and final landscape plans, and the preparation of a Report of Facility Information and Preliminary Closure and Post-Closure Maintenance Plans. This project required close coordination with the City of Brea Citizens Advisory Committee; the County Harbors, Beaches, and Park Department; and regulatory agencies in compliance with a Memorandum of Understanding between the City and County, which required the development of a regional park end use plan and a new or upgraded access road.

Final Closure and Post-Closure Maintenance Plan Revision, Coastal Landfill, Ventura County, California. Project Manager for closure plan update to support the development of a golf course at a 83-acre landfill site. This includes incorporating modifications to the site drainage plans, landscape plans, and landfill gas control system into the revised closure plans.

Permitting of New Landfill Site, Ventura County, California. Project Manager for the permitting of the proposed Alamos Canyon Landfill, which included administration of permit document preparation and landfill engineering design.

Final Closure and Post-Closure Maintenance Plan Development, Santiago Canyon Landfill, Orange County, California. Project Manager/Engineer for preparation of closure plans for 120-acre landfill. This included the development of both preliminary and final closure plan documents. Responsibilities also included administrating the preparation and implementation of a SWAT program.

Closure Planning and Permitting, Forster Canyon Landfill, Orange County, California. Project Manager for preparation of Landfill Final Closure and Post-Closure Plans, which included the development and review of closure documents and integration of the closure project with an adjacent residential development.

Landfill Closure Planning and Evaluation Monitoring Program Development, Kern Valley Landfill, Kern County, California. Project Manager for development of Final Closure and Post-Closure Maintenance Plans and an Article 5 Evaluation Monitoring Program.

Landfill Post-Closure Maintenance Plan Development, Coyote Canyon Landfill, Orange County, California. Project Manager responsible for revising the Post-Closure Plan after completion of closure construction activities. This required coordinating efforts between the County, the landfill gas system operator, RWQCB, and LEA in addressing post-closure maintenance issues and responsibilities for one of the first sites to close under Title 14 closure requirements.

Permitting and Regulatory Compliance, Lopez Canyon Landfill, Los Angeles, California. Project Manager for development of Final Closure and Post-Closure Maintenance Plan, which included administration of the document preparation for partial and ultimate closure of the currently permitted disposal areas. Other responsibilities included overseeing preparation of a Report of Disposal Site Information update, a Periodic Site Review, a Preliminary Closure and Post-Closure Maintenance Plans for the landfill expansion, and Final Closure and Post-Closure Maintenance Plans and a Mitigated Negative Declaration for closure of a portion of the site.

Master Plan Development for Lateral Expansion, Savage Canyon Landfill, Whittier, California. Project Manager for development of a Master Plan, lateral expansion excavation plans, and fill sequencing plans for the Savage Canyon Landfill, Whittier, California. The project has involved an extensive investigation of a fault located within the landfill footprint and the design of a bottom grading plan for a back canyon area which has undergone extensive landsliding. Master Plan work included development of bottom and final grading plans, final storm drain plans including a detention basin and fill sequencing plans for the first five years and every phase thereafter.

Closure Plan Development, Southern California Landfill Facilities. Project Manager for the preparation of Final Closure and Post-Closure Maintenance Plans for the Iron Mountain Landfill, San Bernardino County, California; and six San Diego County landfills.

Landfill Closure Plan Development, Elsinore Landfill, Riverside County, California. Project Engineer for preparation of Closure Plan document and coordinating the preparation of all design drawings. The document included an evaluation of several cover options, a borrow study, drainage and grading plans, and a landscape design.

Environmental Impact Report and CUP Application, Lancaster Landfill and Recycling Center, Los Angeles County, California. Project Administrator responsible for preparation of a CUP application and Environmental Impact Report for the lateral and vertical expansion of a 102-acre landfill.

Additional Project Experience:

Solid Waste Engineering Support Services Contract, Prima Deshecha Landfill, San Juan Capistrano, California. Project Manager for a contract to provide on-call engineering support services at the Orange County Integrated Waste Management Department South Region Landfills. This has involved direction of more than 30 projects at the Prima Deshecha Landfill involving engineering, regulatory compliance, geology/hydrogeology, CEQA compliance, and biological surveys.

Permitting Documents and Groundwater Characterization Study, Colton Landfill, San Bernardino County, California. Project Administrator responsible for managing the preparation of a Report of Disposal Site Information, Periodic Site Review, and Drainage Design Report, as well as administering a Seep Remedial Action Plan and Drainage Improvements Construction contract.

Seawater Barrier Improvement Studies. Project Manager/Engineer for three seawater barrier improvement studies which included coordinating the investigation of area geohydrology, development of a groundwater model, evaluation of improvement alternatives, development of implementation plans, design of injection and observation wells, and construction of a Test Pilot Program.

Staff member of the Los Angeles County Solid Waste Management Committee responsible for implementation of the County Solid Waste Management Plan Public Education Program, evaluation of Finding of Conformance applications for waste treatment and disposal facilities, and preparation of the County Hazardous Waste Management Plan.