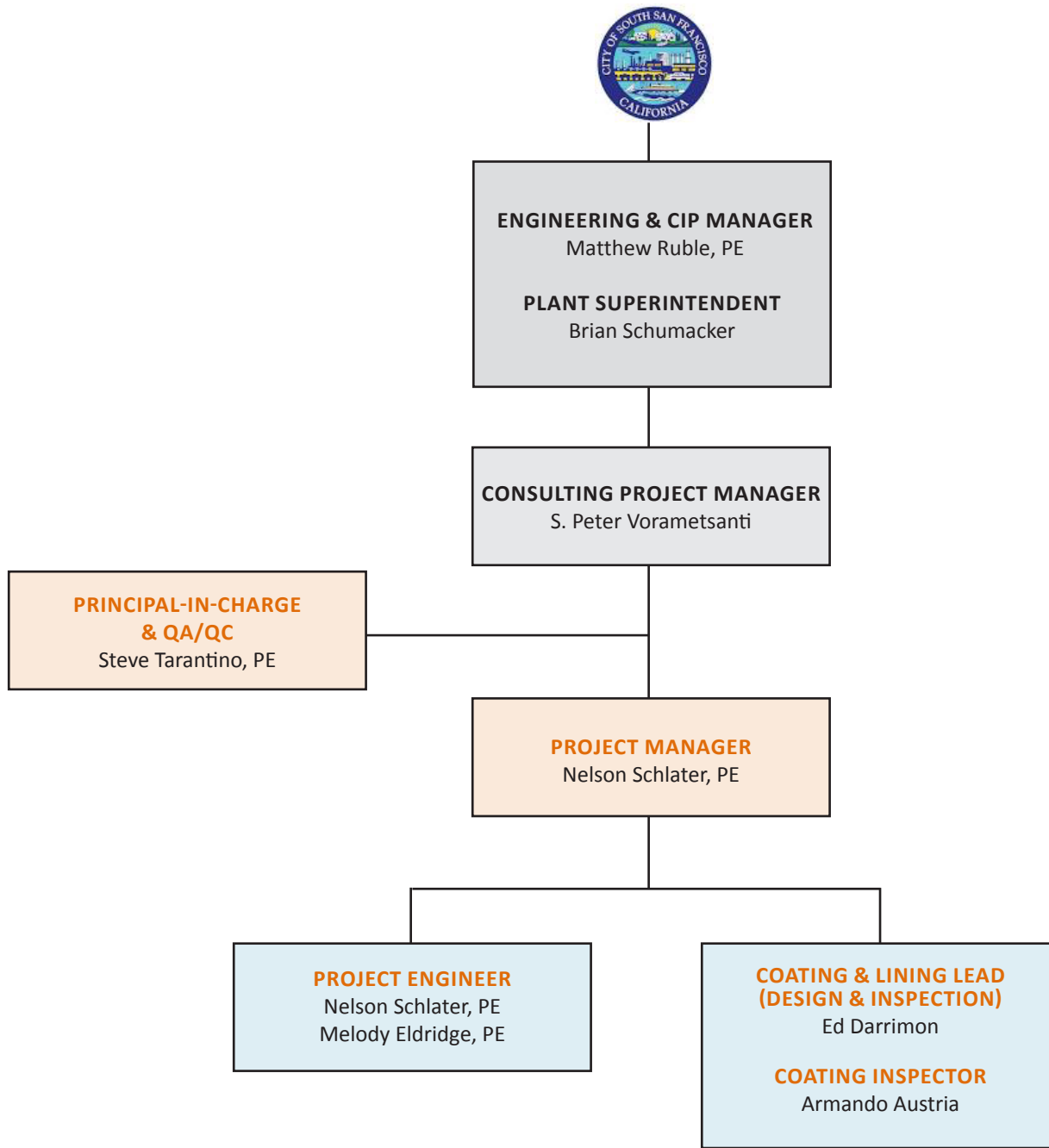


SECTION 3: PROJECT TEAM

EKI has assembled a team of engineers with the experience, technical expertise and deep understanding of the unique challenges associated with coating projects in the Bay Area that can provide integrated. project delivery from design through construction and efficient coordination with the constraints of the WWDIP construction. The reporting relationships and roles of the key professionals are illustrated below, with qualifications, professional history and experience summarized in the resumes on the following pages.



Nelson Schlater, PE

Project Manager/Project Engineer

Mr. Schlater brings over 31 years of engineering experience, 20 of which has focused primarily on wastewater and other municipal infrastructure projects. He has managed projects ranging from planning to complex design and construction support. Mr. Schlater developed RFPs, scopes, budgets, schedules, and contracts. He has led multi-office project teams, managed subconsultants, and supervised staff and collaborated with owners and presented findings to Boards and stakeholders. He was the lead author of the equipment procurement chapter and co-authored the design chapter in the Water Environment Federation (WEF), Manual of Practice (MOP) 36: Membrane Bioreactors.



Relevant Experience

WQCP and Pump Station Coatings Project, City of South San Francisco, CA. Mr. Schlater served as Deputy Project Manager/Project Engineer on the Project whose goal was to develop a multi-year, phased program to perform coatings for the WQCP and Pump Stations. Mr. Schlater reviewed the prior work; toured WQCP and Pump Station facilities; prepared detailed maps summarizing prior work recommendation; and conducted workshops with City staff. The outcome of the workshops was a multi-year, phased coating improvement program that will meet City-identified needs.

WQCP Wet Weather and Digester Improvements Project – Program Management, City of South San Francisco, CA. Mr. Schlater served as lead technical consultant as part of the Program Management Team. Mr. Schlater supported evaluation of the sole-source proprietary digester equipment and how to best represent the performance (process warranty) and guarantees in the bid documents. Working directly with Mr. Tarantino, EKI's Program Manager, Mr. Schlater proposed options for contractual language and supported meetings with City staff to determine how to proceed. Mr. Schlater also supported Mr. Tarantino in the evaluation of the supplier's proposal and cost components.

Digester Improvements and FOG/Food Waste-to-Energy (F2E) Facility Project, Central Marin Sanitation Agency, CA. With a previous employer, Mr. Schlater designed and provided multidiscipline coordination of construction documents for digester improvements, which consisted of new digester membrane covers; digester pump mixing; digester gas sulfide removal; and FOG/F2E facilities. FOG/F2E facilities consisted of a collection tank with mixing system, an equipment bay with pumping and conditioning equipment, and coatings and painting associated with plant facilities.

Gloria Way Well Groundwater Treatment Project, City of East Palo Alto, CA. Mr. Schlater served as Project Manager and Project Engineer for developing construction documents which includes a 300 gpm well pump iron and manganese treatment system, chemical amendments, Hetch-Hetchy blending system, high service pump station with surge tank, and coatings and painting associated with plant facilities.

Consolidated Treatment Facility Membrane Bioreactor Expansion Project, Program Management, City of Lathrop, CA. Mr. Schlater served as lead technical consultant as part of the City's Program Management team which oversaw the expansion project. He employed a pre-selection procurement strategy for the Project's Membrane Bioreactor (MBR) Equipment and Blower equipment which consolidated

FIRM

EKI Environment & Water, Inc.

YEARS OF EXPERIENCE

EKI: 4 years

Total Years Experience:
31 years.

PROFESSIONAL PROFILE

EKI Environment & Water, Inc., Burlingame, CA, 2015–Present

SRT, San Francisco, 2013–2014

EDUCATION

Kansas University, M.S.
Environmental Engineering, 1995

Stanford University, M.S.
Aerospace Engineering, 1986

Pennsylvania State University,
B.S. Aerospace Engineering, 1982

REGISTRATIONS

Professional Civil Engineer, CA (#66547), 2004

the SOQ/RFP into a single submittal, reducing procurement time by approximately 4 to 6 weeks. Mr. Schlater reviewed and provided significant input on the MBR pre-selection and Blower bid documents including incorporation of operations and maintenance-related cost factors into the evaluation. Mr. Schlater reviewed the Project bid documents at the 60%, 90%, and 100% design levels including coatings and painting associated with plant facilities.

7.0-MGD Water Recycling Facility Expansion Project, Rancho California Water District, CA. With a previous employer, Mr. Schlater served as the Deputy Project Manager/Project Engineer for the water recycling expansion project and managed a multidiscipline design team across three offices to produce construction documents for plant improvements. The work included: new 22-MGD headworks screening and grit removal facilities; new screenings and grit removal equipment building; 10-MGD tertiary treatment system including secondary pumping and cloth disk filtration retrofit; tertiary storage; yard piping; detailed construction sequencing to maintain plant operations during construction; and coatings and painting associated with plant facilities.

3.4-MGD Santa Paula Water Recycling Facility Project, City of Santa Paula, CA. With a previous employer, Mr. Schlater designed and provided multidiscipline coordination of construction documents for a membrane bioreactor (MBR) plant. His work included oversight and coordination of: headworks; wet weather equalization basin designed to invert dry weather flow diurnal pattern to lower power costs; MBR; UV disinfection; recycle water pump station; and percolation pond disposal facilities. He also coordinated membrane pre-selection procurement document development and design with selected MBR membrane equipment supplier.

7.0-MGD Industrial Wastewater Treatment Plant Expansion Project, City of Tulare, CA. With a previous employer, Mr. Schlater was the Project Manager that represented the Tulare Dairy Industry Group (TDIG) in reviewing preliminary design documents and final construction documents to minimize TDIG operations costs. Managed and coordinated a multidiscipline design team that reviewed all work products for conformance to conventional design and operations standards. Attended all design reviews and participated in value engineering workshop with owner and owner's design engineer.

Wastewater Plant Improvements Project, Sausalito Marin City Sanitary District With a previous employer, Mr. Schlater was the Project Engineer for the wastewater plant improvement project. He designed and provided multidiscipline coordination of construction documents for the following facilities: primary clarifier sludge pumping; anaerobic digester pumping; digester pump mixing; and coatings and painting associated with plant facilities.

Availability & Current Projects

City of South San Francisco, WQCP Wet Weather and Digester Improvements Project – Program Management.. Lead Technical Consultant. Mr. Schlater supported evaluation of the sole-source proprietary digester equipment and how to best represent the performance (process warranty) and guarantees in the bid documents. Working directly with Mr. Tarantino, EKI's Program Manager, Mr. Schlater proposed options for contractual language and supported meetings with City staff to determine how to proceed. Mr. Schlater also supported Mr. Tarantino in the evaluation of the supplier's proposal and cost components. **Completion date:** Ongoing. **Commitment:** 2.5%. **Firm(s):** EKI Environment & Water, Inc. **Reference:** S. Peter Vorametsanti, PE, CCM, 315 Maple Avenue, South San Francisco, CA 94080, (650) 740-7368.

Town of Hillsborough, Final Design Sandra/Hayne Stormdrain Replacement. Project Manager. Mr. Schlater leads this project that will develop bid documents for: new headwall and bar screen; 200 lineal feet of 24" to 54" storm drain and junction boxes; and creek restoration (construction cost estimate: \$1.8M – design schedule: 11/18-2/20). **Completion date:** 2020. **Commitment:** 10%. **Firm(s):** EKI Environment & Water, Inc. **Reference:** Daniel Gonzales, PE, Deputy Director of Public Works, 1320 La Honda Rd, Hillsborough, CA 94010, (650) 375-7444

Oro Loma Sanitary District, Digester Energy Evaluation Study. Project Manager. The Project performs a digester energy audit and system evaluation to help plan for replacement of aging facilities. Scope includes developing a cost-benefit analysis for two alternatives will be performed: 1) two new 0.6 MG Digesters with membrane covers; and 2) an Omnivore retrofit of existing 1 MG Digesters plus separate gas storage). **Completion date:** 2019. **Commitment:** 10%. **Firm(s):** EKI Environment & Water, Inc. **Reference:** Jimmy Dang, Engineering Manager, 2655 Grant Avenue, San Lorenzo, CA 95073, (510) 481-6981

Steve Tarantino, PE

Principal-in-Charge and QA/QC

During over 40 years of professional experience, Mr. Tarantino has led the implementation of a wide range of projects, with a specialization in program management contracts. His work includes planning, design, cost estimation, and construction supervision for potable water, domestic wastewater, industrial wastewater, groundwater, and remediation projects including excavation and removal of contaminated soil, soil vapor extraction, and groundwater treatment systems. Mr. Tarantino has a proven history of demonstrating both the technical and management expertise needed to ensure that projects meet client needs and are performed on time and within budget.



Relevant Experience

WQCP Wet Weather and Digester Improvements Project – Program Management, City of South San Francisco, CA. Mr. Tarantino is serving as Program Manager for the Wet Weather and Digester Improvements Project at the WQCP. Prior to commencement of construction, Mr. Tarantino supported contract negotiations with proprietary digester equipment/process to establish process warranty and the terms and conditions governing purchase, installation, and operation; prepared the Construction Management (CM) Services RFP, reviewed CM RFP responses, interviewed candidates, and participated in selection of construction manager; and evaluated Contractor bids. Throughout the Project construction phase, Mr. Tarantino will serve as Program Manager, acting on behalf of the City to facilitate decision making, participate in weekly construction meetings, and coordinate with WQCP staff as needed to keep the project moving during WQCP operation.

WQCP and Pump Station Coatings Project, City of South San Francisco, CA. Mr. Tarantino served as Project Manager on the Project whose goal was to develop a multi-year, phased program to perform coatings for the WQCP and Pump Stations. Mr. Tarantino supported Mr. Schlater during the review of prior work and preparation of maps summarizing prior work recommendation; and participated workshops with City staff. The outcome of the workshops was a multi-year, phased coating improvement program that will meet City-identified needs.

WWTP Expansion Program Management, City of Lathrop, CA. Mr. Tarantino served as the City of Lathrop's program manager for the expansion of the City's existing MBR wastewater treatment plant from 1.0 MGD to 2.5 MGD. The project also involved the closure of the City's wastewater treatment plant that treats wastewater from the Crossroads area of the City. As program manager he is responsible for assisting the City with the selection of the design engineer, the management of the selected engineer in performing the design (including the technical review of the design engineers work products) and construction of the expansion. He was also responsible for the coordination of this process with the project stake holders which include both the City and the developers that are funding the planning design and construction of the plant expansion.

He also performed program management tasks when the MBR plant was originally put online in . His tasks included management and coordination of eight consulting engineering firms and fifteen developers on behalf of the City for the 5-Year Project. He was responsible for preparation and maintenance of detailed project schedules, technical review of engineering documents, interfacing with regulatory agencies and oversight of various strategic, managerial, and technical tasks for the City including overseeing of City and consultant staff in compliance actions.

FIRM

EKI Environment & Water, Inc.

YEARS OF EXPERIENCE

EKI: 28 years

Total Years Experience:
40+years.

PROFESSIONAL PROFILE

EKI Environment & Water, Inc., Burlingame, CA, 1990–Present

EDUCATION

University of Santa Clara, B.S. in Civil Engineering, 1970

REGISTRATIONS

Professional Civil Engineer, CA (#28308), 1977

CERTIFICATIONS

Forty-hour HAZWOPER Training Course

Clean Water Program Development, City of Foster City, CA. Mr. Tarantino is serving as Foster City's representative in its participation with the City of San Mateo in their Clean Water Program. The Clean Water Program is a comprehensive plan to upgrade the aging wastewater collection and treatment system with advanced infrastructure that will provide reliable services for years to come. The Wastewater Treatment Plant components of the Clean Water Program are a joint effort between the City of San Mateo and City of Foster City/Estero Municipal Improvement District (EMID). The City of Foster City is a partial owner of the Wastewater Treatment Plant. The Goals of the Clean Water Program are to: replace aging infrastructure and facilities, build wet weather sewer system capacity assurance, and meet current and future regulatory requirements, align with the City of San Mateo and Foster City's sustainability goals. As Foster City's representative, Mr. Tarantino participates in the selection of planning and design consultants, review of technical reports, assisting with the evaluation of Foster City's share of the cost for the Clean Water Program, as well making presentations to the Foster City Council regarding the progress of the program.

Water System Capital Improvements Program and Various Water System Projects, City of Burlingame, CA. Mr. Tarantino served as the Program Director for the City of Burlingame's 10-year water system capital improvements program to replace aging potable water distribution system infrastructure. The project included developing a 10-year water system capital improvement plan that was funded from bond proceeds, the planning, cost estimating, and budgeting of selected capital improvements; issuing RFPs and managing the consultant selection process; managing the design and construction process; community outreach efforts in advance of construction; updating City staff and Council members on progress and budget expenditures. Other projects for the City on which he managed the EKI team included assisting Burlingame in preparing for the system-wide conversion from chlorine to chloramines as the disinfectant by SFPUC, the City's only water source. Projects related to the conversion include, developing a unidirectional flushing program, evaluating the mixing occurring within the City's potable water storage tanks, and mastering planning the City's potable water distribution system to facilitate water movement.

Wastewater Treatment Plant Upgrades, Merced, CA. Mr. Tarantino was retained by the City of Merced to act as the City's program manager for the upgrade and expansion of the City's wastewater treatment plant. As project manager, Mr. Tarantino's responsibilities included development of RFPs and the management of the entire process for the selection of the design consultant as well as the construction manager. Mr. Tarantino also lead the EKI team in the review of technical documents, management of the SRF loan process to obtain financing for the project, and provide liaison with regulatory agencies for the City's NPDES permit. In addition, Mr. Tarantino lead the EKI team in the the investigation and groundwater monitoring of the City's land application area that takes waste directly from a tomato processing facility as part of the program to identify and remediate impacts to the local shallow groundwater from the use of unlined sludge drying beds.

Water System Improvements, Calistoga, CA. The City of Calistoga has completed upgrading its water system utilizing funding from the United States Department of Agriculture Rural Development Program targeted to small communities. As project manager, Mr. Tarantino assisted in securing planning, designing and construction funding from the USDA and was the City's liaison with USDA. He was also the project manager for the design and construction oversight of the upgrade projects. In addition, Mr. Tarantino's responsibilities included managing the preparation of environmental documents and a water rate study required by the USDA, while evaluating the need to treat groundwater containing elevated levels of arsenic. The project included City water system upgrades including replacement of approximately 15,000 feet of distribution system pipelines, and improvements to the City's Kimball Water Treatment Plant chemical mixing system, clarifier, and the addition of a third filter bank.

John Jones Water Treatment Plant Expansion, Tracy, CA. Mr. Tarantino was retained by the City of Tracy to act as the City's project manager for the planning, design, and construction oversight of the expansion of the City of Tracy's John Jones Water Treatment Plant from 15 mgd to 45 mgd and the design of the first phase 15 mgd expansion. Also included in this project is preparation of an application for an SRF loan and liaison with DHS regarding the City loan. The planning portion of the project included an evaluation of alternative disinfection, clarification and filtration processes and pilot testing of the selected process. The selected process included deep bed GAC filtration and UV disinfection. The project also included negotiations with the State of California Department of Health Services regarding the changing the source of water for the JJWTP from the Delta Mendota Canal to the California Aqueduct. The City collected water quality data from both conveyance facilities to determine if there is a significant difference in the source water quality. Data indicated that the water quality from both sources was highly variable but similar with respect to treatment needs. Based on these data, DHS did not require that the City change its water source.

Melody Eldridge, PE

Staff Engineer

Ms. Eldridge is a civil and environmental engineer with over six years of experience in both the public and private sectors, including stormwater management, capital improvement program management (CIP), remedial action work plans (RAW), and quality assurance/quality control (QA/QC) of analytical data. She also has extensive expertise in database management and Geographic Information System (GIS) mapping, modeling, and analysis.

Ms. Eldridge has managed over a dozen stormwater compliance projects for industrial facilities, including coordinating implementation of best management practices (BMPs) and production of appropriate documentation and reports. In addition, she has assisted in a range of activities supporting municipal capital improvement programs, from initial system modeling through to making project recommendations and identifying priorities, coordinating bid walks, managing construction projects, tracking submittals, conducting inspections, planning ribbon-cutting ceremonies, and incorporating the subsequent as-builts into the city's infrastructure tracking system.

Relevant Experience

Municipal Storm Drain CIP Project Management, Pipeline Modeling, CIP Recommendations, City of Burlingame, CA.. Ms. Eldridge has assisted with project management for a municipal storm drain CIP, including coordinating a RFP for engineering design improvements to two lift stations, coordinating site walks and investigation into potential biological constraints and regulatory permitting, and assisting with evaluation of proposed storm drain infrastructure projects. She also modeled water pipeline replacement alternatives and made recommendations based on feasibility, water needs, and fire flow requirements.

Capital Improvement Project Management, City of Morro Bay, CA. Prior to joining EKI, Ms. Eldridge worked for the City and assisted with the City's capital improvement program. Projects included headworks improvements at the City's waste water treatment plant (WWTP), WWTP digester re-coating, sewer lift station improvements, and citywide pavement repair projects. Ms. Eldridge assisted with coordinating meetings, tracking and reviewing submittals, maintaining project logs, and performing inspections, among other tasks.

CIP Prioritization, City of Morro Bay, CA. Ms. Eldridge maintained the City's GIS database for all infrastructure networks (notably roadways, water, sanitary sewer, and stormwater), and implemented changes to improve condition assessment and project tracking capabilities. Ms. Eldridge conducted GIS analyses to assist in the prioritization of capital improvement projects based on a variety of factors including condition assessments, network impacts, costs, and feasibility.

Master Plan Development, City of Brisbane, CA. Ms. Eldridge modeled water pipeline replacement alternatives for a municipality and made recommendations based on feasibility, water needs, and fire flow requirements. She has assisted with the development of water and sewer municipal master plans.

Stormwater Permitting for a WWTP, City of Morro Bay, CA. She performed the preliminary evaluation to permit the WWTP under the State Water Resources Control Board's (SWRCB's) General Permit for Stormwater Discharges associated with Industrial Activities (IGP), including mapping of the onsite stormwater system, identification of sampling locations and parameters, and discussions with facility staff to investigate options to reduce stormwater discharges.

FIRM

EKI Environment & Water, Inc.

YEARS OF EXPERIENCE

EKI: 3 years

Total Years Experience:
6 years.

PROFESSIONAL PROFILE

EKI Environment & Water, Inc., Burlingame, CA, 2015– Present

City of Morro Bay, Morro Bay, CA, 2014– 2015

City of Davis, Davis, CA, 2013– 2013

EDUCATION

University of California, Davis, B.S. Civil and Environmental Engineering, 2011

REGISTRATIONS

Professional Civil Engineer, CA (#88130), 2017

Ed Darrimon

Coating & Lining Lead (Design & Inspection)

As President and CEO of Bay Area Coating Consultants, Inc. (BACC), Mr. Darrimon administers the daily operations and provides high performance technical coating and lining specifications, failure analysis, surveys, and technical consulting.

Mr. Darrimon was employed by East Bay Municipal Utility District for eleven years in the Engineering & Maintenance Departments as supervising coating specialist. Mr. Darrimon designed and developed the District's physical coating and lining testing lab for accelerated testing and the Districts Rehabilitation program of 170 reservoirs, water treatment plants, and two hydroelectric plants including penstocks.

FIRM

Bay Area Coating Consultants Inc.

YEARS OF EXPERIENCE

BACC: 31 years

Total Years Experience:
42 years.

PROFESSIONAL PROFILE

Bay Area Coating Consultings,
inc., Modesto, CA, 1987–Present

Relevant Experience

PSEP Program – So. Cal Gas Pipeline

SFPUC – Numerous pipeline, penstock, treatment plant and tank projects

City of Livermore Bernal Bridge Inspection

County of Sacramento– Technical Consulting Zone 7

County of San Francisco– Technical consulting, specifications, and inspection
Numerous projects the past 19 years.

County of Butte Technical consulting, specifications, and inspection

Modesto Irrigation District– Technical Consulting and Inspection

Numerous Water Districts in California/Nevada– Technical Consulting,

Armando Austria

Coating Inspector

Mr. Austria has been involved in coatings work on pipelines, water tank, waste water treatment plants, hydroelectric plants, treatment plants, refineries and other structures for various utilities, agencies and owners. He is responsible for written documentation, photo documentation and verbal communication. Testing coating systems evaluate coating projects, destructive and non-destructive failure analysis.

Armando's experience as a coating inspector includes work with inorganic zincs, epoxies, coal tar enamels, vinyl's, urethanes, alkyds, Fiberglass, Galvanizing, metalizing, fusion bonded epoxies, rubber lining, acrylics, tape wrap systems, and numerous other generic types of coatings that include 100% solids epoxies and urethanes on concrete and steel structures.

Armando also has extensive experience with coating inspection instrumentation; including pull-off adhesion testers, surface contaminate meters, ultrasonic gages, moisture meters, holiday detectors, hardness gages, and PH instrumentations.

Armando's experiences include surface preparation techniques that include power tool cleaning, abrasive blasting, ultra-high-pressure hydro blasting, and in both shop and field operations on substrates that include steel, Stainless Steel concrete and other. This experience includes operations involving airless, conventional, and plural component applications. Armando is intimately familiar with numerous NACE, SSPC, AWWA, and ASTM standard practices. -Confined space. Fall protection, lead safety, hazard communication, respiratory protection certified training,

FIRM

Bay Area Coating Consultants Inc.

YEARS OF EXPERIENCE

BACC: 8 years

Total Years Experience:

20 years.

PROFESSIONAL PROFILE

Bay Area Coating Consultants,
Modesto, CA, 2010–Present

REGISTRATIONS

NACE Level 3, (#48374)

AFFILIATIONS

NACE International

SSPC

ASTM International

American Water Works Association

Relevant Experience

Santa Clara Valley Water District /Major plant upgrade

City of Livermore/Plant upgrade

City of Palo Alto/ Reservoir rehabilitation and wet well upgrade

SFPUC Harry Tracy WTP – Plant upgrade

Dublin San Ramon Services District/Plant upgrade

Kuwait Refineries & Oil Companies – Texaco

SFPUC – Hetch Hetchy Pipeline East and Western segments

27 miles of 78" water pipe. Shop and field. (Two years)

SFPUC Harry Tracy WTP upgrade (Two years)

Ora Loma Sanitation District Coating upgrade project