

BRYAN K. ELDER, MBA, PE

Senior Water Resource Control Engineer
Special Investigations, Office of Enforcement
State Water Resources Control Board
(916) 327-8363

bryan.elder@waterboards.ca.gov

801 K Street, 23rd Floor, Sacramento, California 95814

EDUCATION

Master of Science, Civil Engineering (Hydrology/Water Resources), 2012
University of California, Los Angeles

Master of Business Administration, 2010
Pepperdine University

Bachelor of Science, Chemical Engineering, 2006
University of California, Santa Barbara

PROFESSIONAL LICENSES/CERTIFICATES

Registered Civil Engineer, C81253 (California)

PROFESSIONAL EXPERIENCE

State Water Resources Control Board – Office of Enforcement, *June 2017 - Present*
Senior Water Resources Control Engineer – Special Investigations Unit

Supervise and oversee the work of five fulltime, permanent positions (four water resource control engineers and one environmental scientist) and one part-time scientific aid. Engage with State and Regional Water Board staff to determine enforcement priorities and provide technical support. Maintain personal case load including complicated technical assistance in construction/industrial storm water, wastewater, and drinking water. Perform financial analyses for enforcement cases statewide. Organize and provide training for State and Regional Water Board staff.

State Water Resources Control Board – Office of Enforcement, *April 2014 – June 2017*
Water Resource Control Engineer – Special Investigations Unit

Provided technical expertise to various programs statewide. Assisted Regional Boards in case investigations and inspections involving waste water collection and treatment, industrial and construction storm water, and industrial contamination that may impact waters of the state and US. Particularly experienced in site assessment evaluation (soil, groundwater, etc), discharge estimate calculations and verifications, remediation design

and strategy review, and construction/implementation costing for computing economic benefit of noncompliance. Provided expert testimony for economic benefit and ability to pay analysis for cases statewide.

AECOM Environment, *September 2007 – April 2014*

Project Engineer/Manager

Provided technical expertise for over 50 Chevron leaking underground storage tank program sites, many with active remediation in progress. Managed two active remediation sites with annual operating budgets in excess of \$100,000, and provided project scoping, cost estimation, and budgeting for dozens of projects nationwide. Technical lead for all Southern California remediation projects within the Chevron program. Prepared storm water pollution prevention plans and hazardous materials business plans for major oil, gas and industrial clients. Evaluated project data for remediation/strategy optimization and work with regulatory agencies towards site closure - including remedial action and site assessment workplans.

Work with contractors, suppliers, and regulators to ensure projects are completed in a timely, cost-effective, and appropriate manner. Responsible for design and implementation of remediation technology including wastewater treatment, vapor extraction, air injection, chemical injection, and biological treatment, based on extensive project research and team collaboration. Responsible for permitting and permit compliance for waste water and air treatment systems. Regularly oversaw equipment and remediation well installation in the field. Managed routine operation and maintenance of remediation equipment by field technicians and subcontractors.

Catalytic Solutions, Inc., *April 2006 – September 2007*

Product Development Engineer

In a laboratory setting, developed catalytic products for use in automotive and stationary exhaust applications. Worked closely with suppliers, testing agencies, and clients (automotive manufacturers). Aided in the successful development of several technically capable products. Produced bill of materials for all new designs. Develop new internal test procedures to meet customer/internal product specifications. Extensive experience using and analyzing data from particle size analyzers, X-Ray Florescence, X-Ray Diffraction, Gas Chromatography, Mass Spectrometry, and catalyst-aging. Studied slurry processing and slurry rheological behavior.