

JOHN W. MATTHEWS, PE, CPP
Senior Consultant

CAPABILITIES

Subsurface Remediation	Industrial Waste Treatment
Contaminated Real Property Transfers	Tank System Design and Installation
Construction Management	Environmental Auditing
RCRA Hazardous Facility Closures	Storm & Waste Water System Compliance
Phase I Site Assessments	Air Quality Management & Compliance

EXPERIENCE SUMMARY

Mr. Matthews has over 21 years of industrial experience in engineering, design, construction, environmental and safety management. He provides extensive support for projects involving regulatory compliance, engineering design, and litigation support. Mr. Matthews has been employed in the environmental industry for twenty-one years, and is an expert on environmental and safety aspects of hazardous waste generation, transportation and treatment. Seven of his twenty-one years were spent directing the operations of commercial hazardous waste treatment facilities. Another five of those years were spent providing environmental, health and safety regulatory compliance for the largest ISO 14001-certified hazardous waste and oil recycler in North America. He has also provided technical support for industrial clients in manufacturing and chemical processing. He is a regulatory compliance specialist in hazardous waste, clean air and clean water applications.

Mr. Matthews has a diverse environmental and safety background. His expertise includes: process engineering; construction; project management of contaminated properties in various phases of investigation, remediation, and/or property divestiture; and treatment and recycling of industrial wastes including process waste water and hazardous wastes. He is adept at interpreting concentrations in contaminated media for risk assessment purposes to determine acceptable clean-up levels. He has also completed projects relating to waste/storm water system design and permitting, hazardous waste treatment system permitting and closure, and emergency response planning. He has developed health and safety programs for hazard communication, injury illness and prevention, respiratory protection, electrical safety, hot work, and the like. Mr. Matthews is also versed in process hazard analysis techniques. Other projects for which he has provided a considerable amount of technical services have included agency negotiations in response to violations and litigation support and development of environmental management systems and corrective action plans.

EDUCATION

MS, Chemical Engineering, University of Southern California
BS, Applied Chemistry, Harvey Mudd College, Claremont, California (With Honors)

REGISTRATIONS

Professional Engineer, Civil Engineering – California
Professional Engineer, Chemical Engineering – California
Certified Permitting Professional – SCAQMD

SELECT PROFESSIONAL EXPERIENCE

Key project responsibilities for Mr. Matthews have included:

Air Compliance

- Managed regulatory development process and implementation for all aspects of the BWON Program (Benzene National Emissions Standards for Hazardous Air Pollutants) at a fully integrated refinery in the Los Angeles Basin.
- Specified and permitted control devices for a variety of emission sources.
- Formulated air-compliant solvents for SCAQMD Rule 1171 (solvent cleaning) compliance.
- Prepared Title V permit applications for clients with significant volatile organic compound (VOC) emissions.
- Permitted VOC-contaminated soil remediation systems and VOC-contaminated soil mitigation plans (SCAQMD Rule 1166).

Hazardous Waste Compliance

- Represented RCRA permitted Treatment, Storage and Disposal Facilities, (TSDF's) in over three dozen RCRA inspections by California EPA Department of Toxic Substances Control (DTSC).
- Implemented ISO 14001 compliant environmental management systems at six Southern California facilities. Included internal compliance audits, training and development of corrective action plans.
- Permitted several Southern California TSDF's. Documents that were generated included the Operations Plan, Training Plan, Waste Analysis Plan, and Closure Plan.
- Implemented the Closure Plan for the only California-permitted supplemental fuel operation in accordance with California and Resource Conservation and Recovery Act (RCRA) requirements.
- Audited disposal vendors for due-diligence and risk analysis purposes.

Clean Water Act Compliance

- Permitted, developed and operated transportable treatment units (TTU's) before the TTU permit by rule program was established in California. Trained operators, and developed treatment methods for heavy metal bearing waste streams.

- Designed, permitted and installed wastewater pretreatment systems for cyanide oxidation, chromium reduction, metal precipitation, oil recovery and total toxic organic (TTO) removal.
- Prepared permit applications for industrial waste water pretreatment systems discharging to Publicly Operated Treatment Works (POTW).
- Provided Clean Water Act monitoring and compliance services to dozens of industrial POTW dischargers.
- Developed Storm Water Pollution Prevention Plans for General Industrial and Construction Permittees.
- Prepared and certified Spill Prevention Control and Countermeasure (SPCC) plans for several facilities subject to the requirement (greater than 1,320 gallons of above ground storage).

Site Assessment & Remediation

- Obtained risk-based closures for several sites by performing risk assessments to establish clean-up levels.
- Obtained clean closure (no further action) for over forty UST properties.
- Developed closure and health & safety plans for remediation projects with DTSC oversight, including plating facilities and RCRA TSDF's.
- Designed and permitted soil vapor extraction systems for in-situ remediation of VOC-contaminated soil.

Industrial Waste Treatment

- Designed, permitted and installed waste water treatment systems for treatment of cyanide, chromate, heavy metals, toxic organic chemicals, oil and grease in accordance with Clean Water Act pretreatment standards.
- Designed, built, permitted and operated transportable treatment units for treatment of hazardous wastes from electroplating and metal finishing waste generators.
- Directed the operation of the largest (1000 GPM, > 1 Million Gallons of Storage Capacity) commercial TSDF in the Western United States specializing in the treatment of corrosive and metal-bearing wastes.
- Designed, permitted and installed a 1000 GPM total toxic organic (TTO) removal system for treatment of aqueous wastes with soluble organic contaminants.
- Operated commercial TSDF with 250 GPM oily water treatment capacity.

Construction Management

- Installed process equipment, including retrofitting, new construction and tenant improvements.
- Installed tank systems including secondary containment, piping and ancillary equipment.
- Evaluated and constructed process buildings for Hazardous occupancy requirements.
- Prepared Grading, Drainage and Storm Water Pollution Prevention Plans for various projects.
- Supervised soil removal excavations and well installations at contaminated sites. (OSHA competent person for excavations and qualifier of CSLB hazardous substance removal certificate)
- California licensed contractor (Class A & B)

Design & Construction

- Coordinated the design and installation of twenty emergency generator fuel storage systems for hospitals in Southern California including Office of Statewide Health Planning and Development (OSHPD) permitting.
- Designed and installed tank systems, container storage areas, waste water treatment systems and pollution control devices to RCRA, Clean Air Act, State and local requirements.
- Designed and installed aboveground and underground storage tank systems for private and commercial fuel dispensing operations.
- Designed, permitted and coordinated tenant improvements for installation of process equipment and occupancy changes including building code and fire code upgrades for new hazardous (H) occupancies.

PROFESSIONAL HISTORY

Winefield & Associates, Inc., Long Beach, CA, Senior Consultant, 2005 - Present
Safety-Kleen Systems, Inc., El Monte, CA, Senior Environmental, Health and Safety Manager, 2000- 2005

Encon, Inc., Lakewood, CA, Director of Engineering, 1998 - 2000

A One-Stop Environmental Company, Signal Hill, CA, Principal Engineer, 1995 - 1998

Norris Environmental Services, Vernon, CA, Director of Operations, 1991-1995

Crosby & Overton, Inc., Long Beach, CA, Vice-President of Engineering, 1988-1991

JRJ Associates, Inc., San Pedro, CA, Project Manager, 1988

ENV, Inc., Rancho Dominguez, CA, Director of Technical Services, 1984-1988