



# PROFESSIONAL PROFILE



## Jon Rohrer, PG, CHg Principal Hydrogeologist

### CONTACT INFORMATION

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### EDUCATION

MS, Subsurface Hydrology,  
University of Arizona, Tucson,  
Arizona, 1996  
BS, Geological Sciences, Lehigh  
University, Bethlehem,  
Pennsylvania, 1993

### PROFESSIONAL LICENSES

California Certified  
Hydrogeologist, #718  
California Professional  
Geologist, #6881  
Arizona Registered Geologist,  
#60548

### EXPERIENCE SUMMARY

More than twenty-five years' experience providing hydrogeologic and environmental consulting services to major corporations, attorneys, water purveyors, developers, private landowners, and regulators. Directed a variety of successful environmental and water resource projects, providing cost-effective and timely solutions for clients.

### TECHNICAL SPECIALTIES

Expert witness, litigation support, site investigation, remedial design, responsible party identification, real estate transaction support, water supply impact management, data evaluation, analytical and numerical modeling, reporting, and regulatory negotiation for various emerging contaminant (including microplastics, PFAS and 1,4-dioxane), Superfund, and petroleum sites across the United States. In the field of water resources, hydrogeologic investigations ranging from site-specific evaluations to basin-wide studies, and has designed, completed, and tested numerous groundwater wells.

### REPRESENTATIVE PROJECTS

#### Expert Consulting and Witness Services

- Martin, et al. v. Behr Dayton Thermal Products LLC, et al.; U.S. District Court for the Southern District of Ohio 3:08-cv-0326-WHR-5L0 (Dayton, OH). - Dry Cleaning and Solvent Impacts, Vapor Intrusion and Groundwater Migration, Testifying Expert for defendant Aramark.
- DT Tanks Inc., dba Empire Tanker Repair; Pacific Steel Group, Dale Marchant, and Tony Nelson v. Richard Duane Bowles, and Kerry Seidenglanz; San Bernardino County Superior Court, CIVDS1809243 (Bloomington, CA). - Past Use History and Contamination Allegations, Testifying Expert for Pacific Steel Group at Trial.
- LA Unified School District v. Atlas Iron & Metal Co., Inc. et al.; U.S. District Court for the Central District of California. Case No. 2:20-cv-05330 SB-SK (Watts, CA). - Metal recycling impacts to a school site, NCP process, Testifying Expert for LAUSD.
- Kitsigianis Properties, LLC et. al. v. Stanton Sales Corporation et. al.; Civil Action No. 8:19-cv-01662 in the U.S. District Court for the Central District of California (Huntington Beach, CA) - Source identification, degree of impacts and RCRA claims, Testifying Expert for defendants Jack and Barbara Enlow dba Crown Cleaners and Tailors.
- Cooper Drum Cooperating Parties Group vs. Angeles Chemical Co., Inc. et al.; U.S. District Court-Central District of CA 2:19-cv-03007 (Southgate, CA). Source(s), fate and transport of chlorinated solvents and 1,4-dioxane in soil, soil vapor and groundwater, Testifying Expert for the plaintiff.
- T&J Enterprises LLC vs. City of Laguna Beach; Orange County Superior Court, 30-2017-00940297-CU-EI-CXC (Laguna Beach, California). Sewage spill timing, volume, pathways, geologic setting, constituents and resultant soil impacts/mitigation, Testifying Expert for the plaintiff at Trial.
- Alcoa Inc. vs. Alcan Rolled Products-Ravenswood LLC, F/K/A Pechiney Rolled Products LLC, Pechiney Cast Plate Inc., and Century Aluminum Company (Vernon, CA); in U.S. District Court for the District of Delaware (C.A. No. 06-451-SLR-SRF). PCB/Solvent Cleanup, Brownfields Redevelopment, NCP Compliance and reasonableness/necessity of Remediation Costs, Testifying Expert for Century.

- DTSC v. World Cleaners, CERCLA, Defendant Testifying Expert, PCE Dry Cleaners Impacts and NCP Compliance.
  - U.S. and CA-DTSC vs. Jervis B. Webb Company. U.S. District Court-Central District of CA, Testifying expert for the Cooper Drum Cooperating Parties RE Proposed Consent Decree.
  - HTL Automotive Inc. vs. 1351 Orizaba Ave. LLC, Industrial Dry Cleaner/Laundry PCE investigation/ cleanup and vapor mitigation, Testifying Expert for defendant at Trial.
  - Nammo Talley v. Allstate (Mesa, AZ), Defendant Testifying Expert, Perchlorate Regulation, Fate and Transport.
  - OCWD v. various parties, (North Basin: Fullerton, CA) Chlorinated Solvent Contamination, Defendant Testifying Expert at Trial.
  - OCWD v. various parties, (South Basin: Santa Ana, CA) Chlorinated Solvent Contamination, Defendant Testifying Expert.
  - Mishenka Properties, LLC v. CTS Corporation et al (California Court) and CTS Corporation et al v. Mishenka Properties, LLC (Federal Court) – Consulting Expert (Damages claims and All Appropriate Inquiries Support RE: Vapor Impacts). Burbank, California.
  - Kvaerner Aronson v. Mammoth Mountain Ski Area, Mammoth Mountain Ski Area v. EMCO Wheaton, Testifying Expert, on behalf of Mammoth Mountain Ski Area.
  - Cambria Community Services District (CCSD) vs. Chevron et al (MTBE impact to drinking water supplies), Plaintiff Testifying Expert.
  - Trinity Continuing Care Services Inc. v. Defendants – Defendant Testifying Expert RE: building design and hydrogeologic conditions. Livonia, Michigan.
  - City of Morro Bay in the matter of: Application for Certification of Duke Energy for the Morro Bay Power Plant.
  - City of Morro Bay Nuisance Abatement Hearing (MTBE impacts to groundwater).
  - California Senate Select Committee on Perchlorate Contamination, February 27, 2004.
  - Consulting Expert. 2451 East 57 Street, LLC v. American Chain and Gear Company. Huntington Park, CA. Impact from VOCs/vapor intrusion, and neighboring property sources.
  - Confidential Testifying Expert RE Petroleum Fate and Transport, for Confidential Municipal Water Entity, Los Angeles, California.
  - Confidential, Aerial Photograph Review for Mediation. Former Navy Facilities. Los Angeles County, California.
  - Confidential Client, Support for Litigation of Soil, Soil Vapor and Groundwater Impacts and Damages. Van Nuys, California.
  - Confidential, Due Diligence-Phase I Standard of Care Litigation: School Site. Los Angeles, California.
- PFAS, Chlorinated Solvents, 1,4-Dioxane, Hex-Chrome, Metals, PCBs**
- Due Diligence Investigations for Real Estate Transactions/Liability Evaluations, to ASTM 1527-13/AAI Standards, Numerous Sites/Locations.
  - Portland Harbor Superfund Site, sources, fate and transport and sediment remedial cost evaluations for Cascade General, Inc.
  - Airport Historical Operations, TCE soil and soil vapor evaluations, RWQCB Negotiations, Santa Maria, California
  - Airport TCE and PFAS Soil, Soil Vapor and Groundwater Investigation, San Luis Obispo County, California.
  - PFAS expert consulting support, surface water and groundwater fate, transport, treatment and resultant drinking water concentrations.
  - Secondary Lead Smelter Fate and Transport Evaluations and Expedited Residential Sampling Program Implementation, Vernon, California.
  - Testifying Expert in OCWD vs. defendants, North and South Basin Cases, RE: 1,4-dioxane and chlorinated solvents in soil, soil vapor and groundwater, Orange County, California.
  - VOC Plume RI/FS & NCP, Remedy Negotiations and Grant Support, Inland Empire, California.
  - LA County SMU, HHMD-Overseen Soil Vapor Evaluation, Los Angeles, California.
  - Dry Cleaners/Solvent Source PCE Contaminant Impact Evaluations: Los Angeles, La Puente, Long Beach, Camarillo, Pomona, Escondido, Dana Point, Tracy and Chino, California.
  - Dry Cleaners/Solvent Source Indoor Air and Vapor Mitigation: Los Angeles, Long Beach, Pomona, Northridge, Van Nuys and Tracy, California.
  - Industrial Laundry investigation, Sacramento, CA
  - Transaction and Strategic Support in Negotiations for 1.75-acre Former Industrial Campus Redevelopment, Costa Mesa, California.
  - Federal Litigation and Sampling RE: Offsite Water Supply Impacts from an Industrial Dry Cleaners, Sacramento, California.
  - West-Hollywood Vicinity Pre-Sale Site Assessment, Los Angeles, California.

- Due Diligence and Insurance Negotiations, Redevelopment Project with PCE Impacts, Melrose/Los Angeles, California.
- Evaluation of Investigation/Remediation Insurance Cost Claims for a Major Manufacturing Complex, Henderson, Nevada.
- Evaluation of Chlorinated Solvent Investigation/Remediation, San Gabriel Valley Superfund, Puente Valley OU, California.
- Hexavalent Chromium, Use, Release and Vadose Zone Site Closure, Aerospace Fastener Site, Burbank, California.
- Review of Insurance Environmental Cost Claim Assertions, MGP and Energy Sites, Confidential Client, Northeastern States, Missouri, Texas, and Arizona.
- Superfund RI/FS, PCBs/VOCs in Fractured Limestone, Missouri Electric Works, Technical Impracticability Waiver, Cape Girardeau, Missouri.
- Data evaluation/mass and trend analyses, various sites for Rocketdyne/Rockwell, California, and Nevada.
- Superfund Site VOC Characterization - Tucson, Arizona.
- DTSC - TCRA for Lead Removal, Sun Valley, California.

#### Perchlorate Experience

- Southern California water purveyor, confidential source, fate and transport and remediation evaluations.
- Expert Designation, Talley Site, Mesa, Arizona.
- Fate and transport evaluations, FWC and West Valley Water District, Rialto, California.
- RI/FS, NCP-compliance for FBR-biological drinking water wellhead treatment system design and funding, West Valley Water District, Rialto, California.
- Investigation, remediation and wellhead treatment oversight, City of Morgan Hill and City of Gilroy, California.
- Perchlorate responsible party identification, Confidential Client, Southern California.
- Perchlorate fate, transport and remediation litigation support for the Stringfellow Superfund Site, Insurance Parties.
- Perchlorate liability evaluation, Confidential Chemical Client.

#### LNAPL and Petroleum Hydrocarbons

- Property Owner Support with LA-RWQCB for Gas Station Investigation and Source Attribution, Former Terminal Facility, Paramount, California.
- PEA with DTSC for the Alliance Rockwood Charter School Site, Los Angeles, California (Los Angeles City Oil Field).

- Property Owner Support with LA-RWQCB for 1950s Gas Station Cleanup and Source Attribution, Koreatown, Los Angeles, California.
- Property Owner Support with LA-RWQCB for Gas Station Cleanup and Site Closure, Santa Fe Springs, California.
- Property Owner Support with LA-RWQCB for Cleanup of Gas Station Impacts, Chinatown, Los Angeles, California.
- Legal support associated with multiple legal claims, LNAPL Issues Related to a former Tank Farm/Refinery and Pipeline Complex, Confidential Client, Illinois.
- Technical support for mediation of LNAPL-litigation, support to Federal Justice, Confidential Client, Pennsylvania.
- LNAPL Bedrock Investigation/Conceptual Site Model, Confidential Major Oil Company, Southern Illinois.
- Natural Resource Damage Assessment (NRDA): Exposure Pathway Assessment and Ecological Risk Assessment Support - Guadalupe Oil Field, California, for CA: AG, DFG and RWQCB.
- Assessment of Oil Field Impacts to Groundwater Resources, Santa Maria Basin, California.
- Evaluation of advanced LNAPL recovery techniques, former Wood Treating plant, Bellingham, Washington.
- Evaluation and prioritization of gasoline service-station investigation/remediation sites in California, Conoco Phillips.

#### MTBE Experience

- MTBE Risk Assessment and Technical Oversight:
  - Soquel Creek Water District, Soquel, California
  - Cambria Community Services District, California
  - City of Morro Bay, California
  - Los Osos CSD and SCWC, Los Osos, California
  - Bear Valley CSD, Tehachapi, California
  - United Water Conservation District, Oxnard, California
  - City of Oxnard, Oxnard, California
  - City of Santa Monica Arcadia Well Field, California
  - City of East Alton, East Alton, Illinois
- Release Investigation, Contaminant Migration Investigation and Remedial Design in Fractured Volcanic Bedrock - Mammoth Mountain Ski Area, Sierra Nevadas, California.
- Evaluation of MTBE fate and transport in response to construction dewatering, EIR preparation, Oxnard River Park Project, Oxnard, California.

- Confidential Mediation: Between an Oil Company and a Water District, California.
- MTBE Investigation and Remedial Design in Fractured Dolomite, Confidential Major Oil Client, Illinois.

#### Water Resources, CEQA/NEPA Projects, General

- Confidential Municipal Client, review GSP and SGMA implementation options.
- Support of a Major Entertainment Interest, Wastewater Discharge and Permitting Evaluation.
- Los Angeles County Fire Camp, WDR/WWTP Discharge Compliance, Bedrock Investigation, Malibu, California.
- Los Angeles County Fire Camp, Groundwater Monitoring Program Development, Santa Clarita, California.
- Coastal Commission and EIS support, Cabrillo Port LNG Project, Oxnard, California.
- EIR preparation and water supply availability study, Corral De Tierra Project, Monterey County, California.
- Environmental planning assistance, EIR preparation, ITT Facility/Home Depot Project, Burbank, California.
- Oxnard RiverPark Project, Oxnard, California (also cited as MTBE experience above).
- New South Coast Golf Course EIR, City of Rolling Hills Estates, California.
- Santa Barbara County Greenhouse Program FEIR Review, City of Carpinteria, California.
- Assessment of Chorro Creek Streamflow, City of Morro Bay, Chorro Basin, California.
- Evaluation of Optimal Well Design related to presence of various groundwater contaminants, San Gabriel Valley Water Company, Puente Valley, California.
- Aquifer Pumping Tests - Sites in California and Arizona.
- Groundwater Monitoring and Sampling - California, Arizona and Nevada.
- Fractured Bedrock Characterization - California, Missouri and Illinois.
- Monitoring Well Installation - California, Arizona and Illinois.
- Calculation of Alert Levels for Compliance Monitoring - Mining Facility in Arizona.
- Surface Water Monitoring and Sampling - Mining Facility in Arizona.
- Geotechnical Slope Stability Analysis - Casmalia Superfund Site, California.

- Seismic Refraction Surveying – Pennsylvania

#### CONFERENCES, PUBLICATIONS, AND PRESENTATIONS

- J. Rohrer, R. Maxwell, M. Nishibayashi, R. Henke, and S. Edmonds. Microplastics: Coming Soon to a Well Near You? NGWA Groundwater Week '22 (Dec).
- S. Edmonds, R. Henke, R. Maxwell, and J. Rohrer. California and Beyond: A Survey of State and Federal Approaches to Microplastic Regulations. Poster for SETAC NA, 43rd Annual Meeting, Nov. 2022
- R. Henke, S. Edmonds, R. Maxwell, and J. Rohrer. Microplastics: A Survey of State Approaches to Microplastic Research and Regulation. Poster for: Battelle 12th International Conference on the Remediation of Chlorinated and Recalcitrant Compounds. May 2022.
- J. Rohrer and R. Henke. Microplastics: California and Beyond? NGWA Problematic Groundwater Contaminants: More Than PFAS Forum. May 27, 2021.
- J. Rohrer, J. Ray, and M. Goodstein. Latest Perspectives on Vapor Intrusion Litigation. ABA Section of Litigation, June 28, 2018.
- J. Rohrer, P. Hsiao, J. Bruen, D. Stever and Hon. C. Shaffer. ALI-CLE, Environmental Litigation 2017, Direct and Cross-Examination of an Expert at Trial, June 23, 2017.
- J. Rohrer, and M. Escobar. Vexing Vapors. San Bernardino County Bar Association, May 13, 2014.
- J. Rohrer, B. Cheney, and P. Mazgani. Everything you need to know about buying, selling, leasing, or refinancing environmentally challenged properties, May 9, 2014.
- J. Rohrer, et. al. From the Soil to the Rooftop: Emerging Trends and Issues Affecting Economic Development. LACBA, April 4. 2014.
- J. Rohrer, L. Goldberg. Gatto Act and Brownfields Overview, Presentation, December 12, 2013.
- J. Rohrer, J. Esterkin, D. Fellers, M. Hey and M. Wickersham, 2013. Ever Changing and Never Ceasing to Challenge - Environmental Law Nuts and Bolts, LACBA. June 11.
- J. Rohrer, R. Aronovsky, B. Cheney and P. Nyquist, 2012. Superfund Sleuths: Legal and Technical Methods for Securing Contribution. LACBA, April 27.
- California GRA, 2008. Climate Change: Implications for California Groundwater Management. Conference Chair, August 13.
- M L Brusseau, N T Nelson, Z Zhang, J E Blue, J Rohrer, T Allen, 2007. Source-zone characterization of a chlorinated-solvent contaminated Superfund site in Tucson, AZ. Journal of Contaminant Hydrology.
- J. Rohrer and P. Jonker, 2007. Speaking their Language, Pollution Science for the Attorney. LACBA Symposium. March 23.



J. Rohrer, et. al., 2006. California MTBE Retrospective Evaluation: Predictions vs. 2005 Outcome. NGWA 2006 Petroleum Hydrocarbons and Organic Chemicals Conference.

California GRA, 2006. Perchlorate 2006: Progress Toward Understanding and Cleanup. Conference Chair, January 26.

ACWA, 2005 Fall Conference: Workshop Moderator/Organizing Committee. November 29.

J. Rohrer, R. Traylor. Evaluation of Oil Field Impacts in the Santa Maria and Cat Canyon Oil Fields. Prepared for the Central Coast Regional Water Quality Control Board.

J. Rohrer, R. Beck, M. Trudell and N. Beal, 2005. Prioritizing Perchlorate Cleanup of Water Resources in Southern California. National Groundwater Resources Association, Conference on MTBE and Perchlorate: Assessment, Remediation, and Public Policy.

J. Rohrer, S. Ross, R. Beck, and C. Wang, 2004. Perchlorate Source Identification: Challenges and Strategies. EVWD, 2004 Water Quality Conference.

J. Rohrer, R. Chandler, and S. Ross, 2004. Perchlorate vs. MTBE: Similarities, Differences and Learning from our Past. NGWA 2004 Conference on MTBE and Perchlorate: Assessment, Remediation, and Public Policy.

J. Rohrer, S. Ross, A. Brown, and J. Farrow, 2004. Perchlorate History, Source Identification, Remediation and Costs. NGWA, Ground Water and Environmental Law Conference.

A. Brown, J. Farrow, J. Rohrer, and Andy Gray, 2004. Dealing with Emerging Groundwater Contaminants. CSDA Annual.

J. Rohrer, 2004. Emerging Water Contaminants. AIHA: Annual Joint Technical Symposium.

J. Rohrer, M. Hagemann, R. Chandler and S. Ross, 2003. Perchlorate vs. MTBE: Similarities, Differences and Learning from our Past. AWRA, 2003 Annual Conference.

J. Rohrer, 2003. Wellhead Protection Programs, An Integral Part of Water Supply Planning. NGWA Southwest FOCUS.

J. Rohrer and A. Booker, 2002. An Innovative Approach to Protecting Drinking Water Supply Wells from MTBE. NGWA Conference on MTBE.

P. Hardisty, J. Dottridge, and J. Rohrer, 2001. Application of Digital Borehole Imaging Data for Characterization of NAPLs in Fractured Rock. Fractured Rock, 2001.

Brusseau, M., J. Rohrer, T. Decker, N.T. Nelson, W.R. Linderfelt. 1999. Contaminant Transport and Fate in a Source Zone of a Chlorinated-Solvent Contaminated Superfund Site: Overview and Initial Results of an Advanced Site Characterization Project. In: Innovative Subsurface Remediation: Field Testing of Physical, Chemical, and Characterization Technologies. (Brusseau, M.L., et al., eds.) ACS, Chapter 19.

J. Rohrer, M. Brusseau and W. Linderfelt, 1995. Field Tracer Experiments at a TCE-Contaminated Superfund Site. Fall AGU Meeting.

G. Baker, P. Cherichetti, K. Cyr, J. DeVico, R. Gascoyne, J. Gatti, D. Kinney, E. Peper, J. Rohrer, L. Warner, 1991. Lehigh University Campus Soils, A Preliminary Sedimentologic Study. Contribution 001 of Environmental Studies Series.

#### PROFESSIONAL TRAININGS

40-Hour OSHA 29 CFR 1910.120; 8-hour OSHA Annual Refreshers, Site Supervisor Course

#### PROFESSIONAL AFFILIATIONS

California Ground Water Resources Association

National Ground Water Association

LACBA, Environmental Section, Executive Committee

Vice-Chair ABA SEER, Environmental Litigation and Toxic Torts Committee

Vice-Chair ABA SOL, Environmental and Energy Litigation Committee

#### ACADEMIC AND PROFESSIONAL HONORS

Graduated Magna Cum Laude (BS)

Commendation from the State of California Board for Geologists and Geophysicists

California Board for Professional Engineers, Land Surveyors and Geologists, Hydrogeology Subject Matter Expert Consultant

Technical Advisor to the Environmental Section of the Los Angeles County Bar Association

Environmental Law Course Guest Lecturer: Southwestern Law School

Water Rights Course Guest Lecturer: California State University, San Bernardino

Co-instructor, UCLA Extension Course, The Role of CEQA in Public Health

SWRCB Microplastics Messaging Workgroup