

Resume of MARC W. SEELEY
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EDUCATION:

University of California, Berkeley; B.A., Geology, 1969
California State University, Hayward; M.S., Geology, 1985
University of California, Davis; Certificate Program - Hazardous Waste Management, various courses

REGISTRATION:

CERTIFICATION	DATE EARNED	METHOD ¹	REGISTRATION #	STATE / AGENCY
Professional Geologist	1977,1978,1995,1998	EX, R, R, R	3407, 089, 891, 6824	CA, OR, ID, CA
Engineering Geologist	1978, 1987	EX, R	1014, E089	CA, OR

NOTE 1: EX = by Examination, Education and Experience R = by Reciprocity, EA = Experience and Application

NOTE 2: California CEG not renewed, Oregon EG is active.

CERTIFICATIONS:

OSHA 40 Hour Remedial Response Health & Safety Training Course, R. F. Weston, Inc., West Chester, PA, September-October 1987

OSHA 8 Hr Hazardous Waste Supervisors Training Course, University of Calif., Davis, CA, 1998

California Community College Instructor Credential, Certificate No. 22989, January 7, 1988

PROFESSIONAL HISTORY

2015- Present Seeley & Associates, Consulting Geologist, Santa Rosa, CA

1991 - 2015 Environmental Geology Services, Inc., Santa Rosa, CA; Principal Geologist & President (changed from sole proprietorship to CA Corporation in 2011)

1988 - 1991 Herzog Associates (HIH), Environmental Services Division, Santa Rosa, CA; Sr. Engineering Geologist and Division Manager

1987 - 1988 Roy F. Weston, Inc., Stockton, CA; Geoscience Div., Sr. Project Manager

1978 - 1987 Merrill & Seeley Inc., Pleasanton, CA; Principal Engineering Geologist

1973 - 1978 Woodward-Clyde Consultants, San Francisco, CA; Sr. Staff Geologist

1972 - 1973 U.S.D.A. Soil Conservation Service, Berkeley, CA; Staff Geologist

1970 - 1972 U.S.A.F. Air-Photo Intelligence Officer, Denver, CO & SE Asia

1969 - 1970 U.S.D.A. Soil Conservation Service, Berkeley, CA; Geologic Assistant

REPRESENTATIVE EXPERIENCE:

Forty years' experience in engineering and environmental geology, and project management related to evaluating geologic hazards for land use, project planning, facility siting, design and environmental and hazardous materials concerns.

Mr. Seeley's **management experience** includes managing, administrative and technical aspects of environmental and geotechnical projects, marketing technical services, employment, training and management of technical and support personnel, and Co-founding and managing Geoscience aspects of consulting firm which obtained gross sales up to \$1.25 million per year. From 1988 through 1991 managed Herzog (Huntingdon / HIH) Environmental Services Division, and increased professional staff from 4 to 12; organized the division into Solid Waste Engineering, Hydrocarbon RI/FS, Environmental Site Assessments groups, and initiated the firm's Industrial Hygiene program; prepared / implemented ESD's marketing plan, annual and 5-year business plan. Responsible for P/L, reporting to CEO, budgeting, purchasing, subcontractor management, proposal preparation, presentations to clients, and quality assurance review. Since 1991 establishment of Environmental Geology Services, additional management experience includes sub-consultant management, billing, A/R and P&L reporting, HR and insurance procurement.

Mr. Seeley's experience in **environmental consulting** includes: CEQA evaluation of a Class 3 landfill closure plan; US-EPA site hazard ranking of former Class I hazardous waste site; research and co-writing of research report on automated UST inventory and leak detection technology; geohydrologic study for expansion of municipal sewage sludge ponds; investigations and remedial recommendations for UST fuel leak sites and fuel spills; management of abandon UST removal and disposal; aquifer tests for groundwater resource evaluations for residential and industrial development; installation and sampling of groundwater monitoring wells; groundwater resource evaluation and aquifer pump tests for private utility company; liaison to North Coast, Central Valley, and San Francisco Regional Water Quality Control Boards and County and local Health Districts and Agencies; preparation of Work Plans and remediation plans for hydrocarbon, chlorinated solvent, MTBE, heavy metals and asbestos impacted sites. Managed numerous site remediation and case closure projects for gas stations, dry cleaners, construction sites including emergency remediation.

In **engineering geology** Mr. Seeley's experience includes exploration and research for active fault evaluations for the Trans-Alaska oil pipeline; Nuclear Power Plant Siting Studies in California, Texas and Washington, and review of NRC quality standards; evaluations of faulting and reservoir induced seismicity for large dams in California; regional faulting studies for US AID/ Costa Rica project, geologic mapping for planning new city/industrial complex in Kingdom of Saudi Arabia; preparation of seismic safety element for City of Pleasanton, CA, General Plan and seismic, geologic and hazardous materials sections of the Sonoma County General Plan 2020 update; technical reviewer for a number of fault exploration studies along the Rogers Creek-Healdsburg fault in Sonoma County; evaluation of surface faulting and seismic damage effects from numerous earthquakes including the 1989 Loma Prieta earthquake on the San Andreas fault system, conducted active fault investigations for developments along the San Andreas fault zone; siting studies and investigations for small dams in northern California, and part of study team evaluating the Safety of Dams for all agencies within the U. S. Department of Agriculture. Forensic investigations of numerous foundation, retaining wall, and slope failures throughout the greater San Francisco Bay Area due to 1980-82 and 1986, and subsequent winter storms, for major insurance companies. Team member for USDA North Coast River Basins planning staff for evaluation of effects of timber harvesting on river and stream erosion 1969-70.

Mr. Seeley has provided **expert testimony and consultation** at planning commission, city council, county supervisor hearings, and for litigation in superior court, involving earth

movement, flood, drainage, earthquake, and soil and groundwater contamination cases, and has served as an expert science panelist in a major civil environmental case involving solvent and hydrocarbon impacted ground water and soils.

SHORT COURSES ATTENDED (partial list):

Risk and Decision Making at Petroleum Contaminated Sites, University of California Extension, Programs in Environmental Management, May 1996.

Quantitative Analysis & Practical Lab Techniques, University of California, Davis, February 1991.

Well and Aquifer Testing, California Groundwater Association, May 1990.

Risk Assessment, Hazardous Substances Program, U C Davis, March 1989.

Site Assessments & Environmental Audits in Real Estate Transactions, ASCE, San Francisco, March -April 1989

Ground Water Hydrology, National Well Water Association, San Francisco, CA, Aug.-Sept., 1988.

Vadose Zone Processes & Applied Monitoring Techniques, Hazardous Substances Program, University of California, Davis, Oct. 1985.

The Role of the Civil Engineer in Containment and Cleanup of Hazardous Waste, ASCE Continuing Education Program, San Francisco, CA, May 1985.

Hazardous Wastes in California: Patterns, Politics & Policies, Hazardous Substances Program, U. C. Davis, March 1982.

Delineation of Landslide, Flash Flood, and Debris Flow Hazards in Utah, Utah State University, Logan, Utah, June 1984.

Slope Stability & Landslides: The Department of Engineering Prof. Development, University of Wisconsin, Madison, May 1986.

The Engineering Geology Short Course, the Geological Engineering Foundation, Berkeley, CA, August 1974.

ASSOCIATIONS:

Association of Environmental and Engineering Geologists
NGA Association of Groundwater Scientists and Engineers
California Groundwater Association
Geological Society of America

PUBLICATIONS:

Seeley, M. W., 1984, Engineering Geology of the Mulholland Formation, Moraga, California; In Partial Fulfillment of the Requirements for the Degree, Masters of Science in Geological Sciences, Environmental Geology Option, California State University, Hayward, California, July, 1984.

Seeley, M. W. and West, D. O., 1990, Approach to Geologic Hazard Zoning for Regional Planning, Inyo National Forest, California and Nevada; Bulletin of the Association of Engineering Geologists, vol. 27, no. 1, February 1990, pp. 23-35.

Hamilton, L. A. and Seeley, M. W., 1988, Automatic Tank Gauging of Underground Storage Tanks for Inventory Control and Leak Detection: prepared for Electric Power Research Institute, 3412 Hillview Avenue, Palo Alto, California 94304, 52 pages plus appendices.

Ridley, A. P. and Seeley, M. W., 1978, Evidence of Recent Coastal Uplift near Al Jubail, Saudi Arabia, Tectonophysics, Vol. 52, pp. 319-327, Elsevier Scientific Publishing Co., Amsterdam.

Ridley, A. P. and Seeley, M. W., 1977, Evidence of Recent Coastal Uplift near Al Jubail, Saudi Arabia, abstract: International Symposium on Recent Coastal Movements, Stanford University, August 1977.

**SOME SPECIFIC CASES INVOLVING EXPERT WITNESS, TESTIMONY, AND
EXPERT CONSULTANT SERVICES BY MARC W. SEELEY CONSULTING GEOLOGIST**

Conforti v City of Placerville

2013 – 2014 / Construction Related Seepage and Flooding Damage

Pat Vitale, PARSAC Claims Manager, George Hills Company, Inc., 3043 Gold Canal Drive, Ste. 200, Rancho Cordova, CA 95670 and John Driscoll, City Attorney, City of Placerville, 3101 Center Street, Placerville, CA 95667

Litigation Support for Defendant, City of Placerville. Case involves evaluation and review of City road construction activity up gradient and 1000 feet distant from an historical building which was restored and developed with a restaurant in the basement. Plaintiff claims City's construction activity collapsed hypothetical drains from previous gold mining activities, which altered flow of groundwater causing flooding of restaurant in the basement. Thus far I have reviewed plaintiff's claim, City's engineering plans and construction activities, made site inspections, conducted historical data review, reviewed geologic and mining maps, interviewed current and previous owners, reviewed information from Plaintiff's expert geologist and interviewed his expert, and prepared geologic cross sections to present all available evidence that can be documented. Based on information available to date I have formed opinions defending the City's position and have made recommendations for further investigations if needed. Case is still active although there have been attempts to reach a settlement.

Chang v. Farmers Insurance, San Mateo County Case No. CIV 489065

2013 / Cause of Solvent Leakage from Former Dry Cleaners Site

Katy Nelson, Woolls & Peer, A Professional Corporation, One Wilshire Boulevard, 22nd Floor, Los Angeles, California 90017

Litigation and Expert Witness for Defendant, Farmers Insurance. This is a long ongoing case with numerous defendants and plaintiffs with cross complaints relating to damages caused from a long abandoned group of underground solvent storage tanks associated with a former dry cleaner facility. This portion of the litigation relates to defendants claim that the damages caused by leakage from one of the underground tanks is not covered by the terms of the insurance. My expertise and testimony focused on the source of the solvent and the mechanism by which the solvent could have leaked from the tank. Services involved consultation with other experts, review of expert and witness depositions, analysis of evidence, review of previous consultant's site investigation, monitoring and remediation reports, review and analysis of photographic evidence, and formulation of expert opinions supporting Farmers. .

Major Oil Company Litigation (confidential parties)

2011 – 2012 / Fuel Tank Farm Remediation and Regulatory Compliance

Mr. Daniel S. Mason, Zelle Hofmann Voelbel & Mason LLP, 44 Montgomery Street, Suite 3400, San Francisco, CA 94104

Litigation Support for Major Oil Company Defendant. Case involved evaluation and review of the several year history of investigation and remediation of a former fuel tank farm in Stanislaus County conducted by a series of consulting firms, evaluation cost and methods used for both investigation and remediation, and reviewing regulatory directives and requirements. The purpose was to form an expert opinion as to whether the work conducted for the investigation and remediation was appropriate, not excessive and in compliance with the standard of environmental engineering practice and in compliance with the regulatory directives. Conducted research to support client's attorney and legal team, prepared declaration, and presented expert testimony and responded to plaintiff's cross examination. Case was settled to our favor in arbitration.

Messana v. Markarian

2006 – 2007 / Septic Seepage and Vineyard Damage

Attorney William Feeney at Lanahan & Reiley, LLP, 600 Bicentennial Way, Suite 300, Santa Rosa, Ca 95403

Litigation Support Case involves uphill owner, Denis Markarian reported to have installed a septic leach line about 7 ft up slope of property line. Installation observed by downslope owner (Client) Russ Messana. Messana reports installation without permit, 6-in diameter white PVC leach line 5 to 6 ft deep in imported fill (approx. several 100 cy). Since installation excessive seepage and water flow. Water samples indicate e-coli count of 3000 and County says needs to be 10,000 to be a problem so they will take no action. Excessive water and saturation prevents Messana from using tractor in that area of vineyard, and is damaging / killing grape vines. Conducted site inspection, water sampling and analysis for e-coli, through review of count records, discovered proof of the leach line installation without County permit and documented source and cause of seepage and damage. Prepared report and declaration. Case was settled in arbitration.

Custer v. Stoops

Sept 2000 - Feb 2003 / Private Domestic Water Well in Easement Proposed for Development with Roadway that Would Adversely Impact Well and Cause Potential Contamination. Sebastopol, CA

Ethan A. Glaubiger, attorney at law, 50 Santa Rosa Ave., 5th Floor, Santa Rosa, CA 95404, 707-578-4505 and State Farm Insurance Co.

Litigation support for case involving a proposed road re-alignment that will encroach on a domestic water well owned by Custer & Zola. Property is located at 4996 Maddocks Road, Sebastopol in a water scarce area. Owner litigated against developer to prevent the well from being bridged over and increasing risk of contamination and disruption of water supply. Site inspection and data review, regulatory research, formulated expert opinion and gave deposition.

Sorgen v. Town of Fairfax

1999 to 2003 / Olema Creek Flooding / Removal of Existing Dam, Fairfax, Marin County, CA

Albert Bianchi and Daniel Harris: Bianchi, Engle, Keegin & Talkington, 1000 Fourth Street, Suite 600, San Rafael, CA, 415-456-4000

Mr. Seeley was named as expert in this case and provided evaluation of up and down gradient alteration of drainage and discharge onto Olema Creek, assessment of stream bank erosion and flooding implications of the Town of Fairfax's requirement for Sorgen to remove a pre-existing dam. Creek has had a history of flooding and our scope of work included evaluation of the Town Engineers hydrology evaluation to determine if there was sufficient data to support requirement for removing dam. Evaluation also focused on recent up gradient developments that might aggravate the flooding. Case is still in the process of being arbitrated.

Lombard Investments v. Town of San Anselmo

1999 to 2002 / Storm Drain Discharge as Cause of Debris Avalanche, San Anselmo, Marin County, CA

Albert Bianchi and Paul Smith: Bianchi, Engle, Keegin & Talkington, 1000 Fourth Street, Suite 600, San Rafael, CA, 415- 456-4000

Mr. Seeley was named as expert in this case and provided evaluation of up gradient drainage and discharge onto an unnamed seasonal creek, assessment of land sliding and debris avalanche and implications of the Town's previous requirement to mitigate the pre-existing drainage problem. Scope of work included evaluation of the Town Engineer's hydrology evaluation to determine if there was sufficient data to support drainage discharge as the cause, data review, historic air photo analysis and site geologic mapping of drainages and landslides. Prepared report of findings and testimony to Town Council. Case settled favorably after arbitration.

Hallgren v. Meyn et al.

1996 – 2002 / Petroleum Hydrocarbon Fuel Contamination of Soil and Surface Drainage due to Defective AST Construction, 6015 Grove Street, Sonoma, CA

Samuel L. Holmes, Attorney at Law, 3917 Happy Valley Road, Lafayette, CA
510-299-8909

Data review and independent subsurface exploration of surface and vadose zone soils, and groundwater, developed laboratory analytical program including bio-assay analysis, and well monitoring. Verified cause of the failure of the AST fuel oil system and determined the extent of the soil and surface water impacts, and developed remedial measures. Gave deposition and provided expert consulting for trial preparation. Testified in trial.

Emery v. Texaco / Shell, et al.

1994- 1998 / Contamination of Ground Water at Commercial Property, Incline Village, NV

Steve Wentzel, Attorney at Law, 6121 Lakeside Drive, Suite 250, Reno, NV, 89511, 702-827-2720

Mr. Seeley conducted investigation to demonstrate that Texaco had not completed site cleanup and that plaintiff's property was still contaminated. Worked with attorney to have Nevada Department of Environmental Protection re-open case and cause Texaco to continue with clean up. Reviewed Shells' consultants' proposed remedial and investigation plans, gave deposition to Texaco's attorney, provided expert consultation for technical matters. Ongoing technical rearview of proposed investigations and remediation plans by Shell.

Joffe v. Commercial America

1998 to 2001 /Flooding, Slope Stability and Collapse of Factory, Tijuana, B.C. Mexico

Maurice Wainer:, Snipper, Wainer & Markoff, 2029 Century Park East, Suite 1690, Los Angeles, CA, 310-557-1905

For this case Mr. Seeley provided evaluation of damage to a recently constructed manufacturing facility caused by flooding that triggered a slope failure and subsequent partial collapse of a hillside factory building. Scope entailed site geologic reconnaissance, review of construction drawings, interview and consultation with owner and his geotechnical engineer, review of engineer's investigative report, review of insurance policy and formulation of professional opinion as to cause of damage.

O'Rourke v. Oak Tree Farm, Currin Development, et al.

1998-2001 / Potential Earth Movement Impacts to Adjacent O'Rourke Property, Pleasanton, CA

Eric A. Newsom, Shapiro Buchman, LLP, 1331 North California Street, Suite 320, Walnut Creek, CA, 94596, 925-988-4988, representing the O'Rourkes

Conducted geologic review and inspection of hillside residential property adjacent to the Calaveras fault zone and the up slope area where the defendant proposed a large hillside development. Reviewed and evaluated developer's geotechnical investigations and the Draft EIR for the project, with special focus on the proposed stabilization of landslides up slope from client's' property and proposed drainage mitigation. Provided expert opinion as to the potential impacts of the proposed development and the planned up slope stabilization and drainage improvements.

Mackey v. Hopkins

1996 to 1998 / Drainage Diversion and Slope Stability, Kent Woodlands, Marin County, CA

Albert Bianchi, Bianchi, Engle, Keegin & Talkington, 1000 Fourth Street, Suite 600, San Rafael, CA, 415-456-4000

Mr. Seeley provided evaluation of alteration of drainage and discharge onto downstream property, assessment of slope stability implications to down slope residence and a previous landslide, consultation with defendants engineering expert and review of proposed mitigation plans. Services also included, site meetings with plaintiff's's engineer and attorney and court appointed arbitrator, formulation of alternative mitigation and consultation with arbitrator, and expert testimony.

Palmer v. Martinson, Chevron USA, et al.

1995-1997 / Daniel Blackstock, Attorney at Law, 1440 Lincoln Avenue, Orville, CA, 95969, 916-534-7144, representing Howard's U-Pump Chevron

Technical review and project management oversight for UST removals and over excavation remediation, and monitoring well installation and sampling. Project responsibilities also coordinating with RWQCB, Butte County Health Department, and Butte Air Quality Management District regulators. Assist in preparation of Work Plan and Corrective Action Report for interim and long term ground water pump and treat system using submersible water pumps and air blowers, treating the water and vapors with activated carbon canisters, reviewing the quarterly monitoring and performance reports for the activated carbon treatment system and the ground water and vapor treatment systems. Providing expert witness services for defense in litigation by the owner of down gradient property owner, and testified in court on behalf of defendant.

Montgomery v. The Home Indemnity, et al.

1990-93 / Earthquake Induced Damage and Earth Movement, Adams Road Property, Los Gatos, CA

Otto Becker, Thornton, Taylor, Downs & Becker, 505 Sansome Street, Suite 800, San Francisco, CA, 94111, 415-421-8890, representing the Home Insurance Company

Conducted inspection of hillside residential property damage resulting from 1989 Loma Prieta Earthquake, made leveling survey, mapped distribution of hillside cracking caused by earthquake, and prepared report. Subsequently provided litigation support in defense of Home Insurance through review of depositions of plaintiff's experts' depositions, technical data, and site re-inspection. Gave deposition and provided expert testimony during arbitration as to cause of damage and provided supporting data.

Cedars Development Foundation v. Burton

1990 / Landslide at North Grove Hill Drive, San Anselmo, CA

Todd C. Hedin, Nelson, Boyd, MacDonald, Mitchell, Mason & Hedin, 1000 Fourth Street, Suite 375, San Rafael, CA, 94901, 415-453-0534 for Fireman's Fund

Conducted initial inspection of landslide for Fireman's Fund, then, subsequent to repair work provided expert services for cost recovery litigation through review of City records, investigation and engineering reports of other consultants, and historic air photo analysis of pre-development conditions, site inspection and provided expert testimony.

Middleton et al. V. Farmers Insurance Group

1991 / Earth Movement Damage, Blandon Road Property, Oakland, CA

Attorney Ann Elston of Lossing & Elston, 100 First Street, 25th Floor, San Francisco, CA 94105, 415-882-4050

Conducted initial site assessment of reported damages in 1983 for Farmers Insurance. Then acted as expert witness for defense on litigation. Reviewed site geology and preexisting conditions, building codes, historic rainfall records and relationship to damaging earth movement, historic seismic events in local area, gave declaration to court and deposition, consultation with attorney in technical matters for defense.

Zupetz v. Coldwell Banker and Libby v. Sherbondy

1983-1988 / Residence Destroyed by Landslide at Lawrence Road. Danville, CA

George V. Spanos, Spanos and Wassell, 1511 Treat Blvd, Walnut Creek, CA 94598, 510-932-8400

Mr. Seeley conducted initial inspection of landslide above Zupetz's newly constructed residence at base of hill in Danville. Report predicted continued rapid growth of slide. Residence was soon thereafter destroyed by landslide. Litigation resulted against relator for nondisclosure of prior conditions and against developer and prior land owner. Subsequent investigation by Mr. Seeley discovered there was a previous land slide and a non-engineered and non-permitted repair. Excavation for building pad at base of prior slide repair, grading of road above slide, unsuitable geologic conditions and high rainfall during winter of 1983 all contributed to failure, however, earthwork construction practices were the proximate cause. Mr. Seeley provided expert testimony and consultation resulted in an arbitrated settlement.

Estes et al., v. Lieb et al.

1983 – 1987 / Residence Destroyed by Landslide at Rosemont Court, San Anselmo, CA

Robert Farrell, Kinder & Wuerfel, 555 Montgomery Street, 9 th Floor, San Francisco, CA 94111, 415-398-1551 for Fireman's Fund Insurance Company.

Mr. Seeley served as an Expert Witness and presented professional opinions as to the cause of earth movement and land sliding, and remedial repairs. Failure involved a rapidly moving debris avalanche type landslide caused by placement of fill behind un-engineered retaining walls on up slope properties, poor site drainage and modifications to up slope conditions. Researched site history, provided expert consultation to plaintiff's attorney and gave deposition. Provided information for settlement, and reviewed engineering designs for mitigations.

Solis v. Ansley et al, Land Contamination Case

1994-1995 / Devaluation of Property due to Prior Landfill Use, Crystal View Estates, Eldorado County, CA

John McBride, Wylie, McBride, Jesinger, Sure & Platten, 101 Park Center Plaza, Suite 900, San Jose, CA 95113, 408-297-9172

Case involved previous contamination of site by land filling and burn dump operations and non-disclosure of site history by seller. Conducted review of site closure file, and previous consultant report to relator and buyer, conducted independent investigation, soil sampling and laboratory analysis and provided expert testimony.

Fang v. Fire Insurance Exchange, et al.,

1987-1993 / Property Damaged by Landslide and Relationship to Fire, Lafayette, CA

Ann M. Elston, Lossing & Elston, 100 First Street, 25th Floor, San Francisco, CA 94105, 415-882-4050

This case started as a forensic investigation for State Farm Insurance Co. In 1986 when I investigated the cause of a slope failure below a hill side residence on the north side of Highway 24 in Lafayette. It was alleged the cause was a fire started accidentally by the down slope property owner. Investigation determined preexisting slope failures and reactivation due to high rain fall and road way construction in base of older unstable area. In litigation provided expert consulting services, historic air photo exhibits, study of relationship of fire to landslides, deposition and expert testimony to demonstrate fire was not the cause.

Monterey County Housing Authority v EMCON, Inc.

1994-96 / Low Income Housing Site Impacted by Hazardous Materials, Non-disclosure and Improper Site Remediation, Salinas, CA

Cheryl Ontiveros, Attorney at Law, 109 Central Ave., Salinas, CA 93901, 408-424-6500

Technical and historical review of historic landfill operations and closure and post-closure reports, subsurface investigation and laboratory analysis of soils, fills; installation of monitoring wells and sampling and analysis of ground water, evaluation of chemical analytical reports, evaluation of various corrective actions plans, cost estimating, consultation and bid solicitations from remedial contractors, litigation support and expert testimony.

Multi Party Groundwater Contamination Litigation

1995

Shopping Center, Concord, CA

Justice Walter Capaccioli, JAMS/ENDISPUTE, 2 Embarcadero Center, Suite 110
San Francisco, CA 94111, 415-982-5267

Science panelist for private civil trial involving contamination of soil and ground water resulting from leaking UST's, sumps, spills of petroleum hydrocarbons and chlorinated solvents from multiple sources and owners at a commercial center in Contra Costa County, CA. Evaluated expert testimony from plaintiff and defendants experts and consulted with other science panelist and judge. Formed opinions as to facts of case and presented written report of findings as to sources, cause and impacts of the contamination.

Sethy v CSAA

1992 / Foundation Settlement Case, Residence at Zapotech Drive, Fremont, CA

Stephen S. Harper, Knox, Rickson Attorneys at Law, 1999 Harrison Street, Suite 1700, Oakland, CA 94612, 510-446-1940, with T.L. Adams & Associates Engineers, 3563 Investment Blvd, Suite 5, Hayward, CA 94545, 510-785-0403

Reviewed previous geotechnical engineering reports dating back to 1975, reviewed pre-development historic stereo-paired air photos and published geologic maps; made site reconnaissance, consulted with project engineer and reviewed historic storm records of rainfall and storm duration to determine cause of distress to residence. Provided expert opinion as to cause.

Watkins v Volktrans et al

1990 to 1994 / Chlorinated Solvent Contamination Case 6005 Gravinstein Highway, Sebastopol, CA

Alan Mayer, Green, Mayer, Picchi & Bloom, 55 Shaver Street, Suite 300, San Rafael, CA 94901, 415-457-4080

Through borings, monitoring wells and back hoe excavations documented soil contamination in area of transmission rebuilding facility. Conducted site remediation through over excavation and on-site bio-enhanced land farming methods. Documented sources of contamination and provided expert testimony as to source and cause, consulting services to attorneys for trial preparation.

Sunrise Handy Mart, Inc. v. Ground Water Technology, Et al.

1987 / Floating Product Investigation and Recovery Porterville, CA

Paul Sundberg, Roy F. Weston, Inc. 83 W. March Lane, Suite 12, Stockton, CA 95207, 209-476-1635, and Landels, Ripley & Diamond, attorneys at law, San Francisco, CA

Field investigation and review of previous consultants' reports and failed attempts to remove floating gasoline (up to 3 foot thick layer) on shallow ground water resulting from a major UST and piping leak. Evaluated and sampled 12 existing monitoring and extraction wells as well as a non-operational pump and treat system installed by Ground Water Technology, Inc. Evaluated aquifer characteristics and alternative pump systems. Selected low flow selective extraction pumps by Clean Environment Engineers of Emeryville, CA. Installed pump and conducted field calibration. Initiated operation of the pump-air stripping and carbon polishing of the effluent water. Also provided expert testimony and related services to the owner's attorney.