



Mehmet Pehlivan, PG, CHG, QSD/QSP
 President / Principal Hydrogeologist

Bays Environmental Remediation Management

27702 Crown Valley Parkway, Suite D4-333, Ladera Ranch, CA 92694

Email: mp@baysgrp.net www.baysgrp.net Phone: 714-455-0057

Objective

Obtain contracts in environmental remediation management, remediation hydrogeology, water resources hydrogeology, petroleum reservoir geology.

Areas of Expertise

Program Management	Project Management	Environmental Remediation
Budgeting & Forecasting	Cost & Schedule Control	Site Assessment
Employee Mentoring	Contract Negotiation/Management	Innovative Solutions
Strategic Planning	Project Integration	Site Closure
Team Building	Regulatory Compliance	Data Analysis/Management

Professional Profile

Mehmet Pehlivan, PG, CHG, QSD/QSP is currently the President and Principal Hydrogeologist at Bays Environmental Remediation Management. He has been geologist for more than 35 years with over 20 years of program management experience in various capacities for environmental assessment, remediation and compliance projects/programs. He has lead project teams and sub-contractors and consultants for large (aerospace facility decommissioning) to small (fuel service stations) projects. He also managed several pipeline remediation projects from Texas to California including cost control, contracting, emergency spill response, and coordination of agency, site operators and emergency response personnel.

As a group leader and director, he has managed and mentored employees, oversee project managers and project teams. Ensured that the projects had adequate budget and resources, negotiated contract with clients and subcontractors. Performed QA/QC review and technical evaluation of project manager and project teams.

Management Experience

President, Bays Investment, Inc. (dba. Bays Group, Bays Environmental Remediation Management): Started Bays Environmental Remediation Management, an environmental consulting and remediation contracting company in 2009. Prepared all company health and safety programs, risk management, QA/QC Program, Marketing and administrative setup. Maintained high ranking green certification in safety from PICS. Continued to grow the company during the recession years. Invented, VacCirc, a process to strip VOC from groundwater and recirculate the groundwater in the same well or adjacent wells. Developed Path-to-Closure process to review and analyze environmental remediation and assessment data using innovative methods of excel tables and graphics to provide turn-key path-to-closure evaluation for the remediation sites.

Director of Remediation, Leighton Consulting, Inc. – Established remediation practice in the company, hired a remediation engineer and trained a technician to perform O&M and remediation system installation activities. Help other staff to understand remediation systems, subsurface geology and its importance in successful remediation. Acted as a program manager and technical consultant for all remediation projects. The remediation practice was quadrupled in the company during the two year term.

Director of Environmental, Tait Environmental Management – Managed group of 23 professionals performing office and field duties. Acted as a program manager for large environmental remediation and assessment projects. Provided leadership and mentorship for the junior staff. Managed budget, cost and revenue forecast for the group. Organized team building exercises, meetings and events. Invented a method of two-phase extraction to remove VOCs from groundwater during extraction process.

Contract Program Manager, Santa Fe Pacific Pipeline Partners, (Tait Environmental Management) – During three year in-house contractor/project management position with Santa Fe Pipeline, performed wide variety of management duties, including oversight of several emergency response activities, program management for groundwater treatment system upgrade, maintenance, managing designated environmental expenditure reserve budget for several sites and terminals, preparing insurance billing, negotiating with regulatory agency for assessment, remediation and site closure activities. He was responsible 5 million of the 25 million dollar annual reserve budget. He showed a strength tying up the loose ends and was instrumental obtaining case closures for five remediation cases from Texas to California.

Environmental Projects and Innovative Solution Experience

Project/Program Management:

- Managed multi team complex projects for a defense contractor site decommissioning project involving multi-tiered assessment, soil, soil vapor and groundwater sampling, and multi-level well installation using hollow stem drill rig, mud rotary rig, sonic rig and direct push technologies. Performed several aquifer test, slug tests, and soil vapor extraction test. Managed design, installation and operation of a dual-phase extraction and LNAPL recovery system and obtained site closure after 2 years of operation. Managed 4 to 7 crews in the field doing various tasks including drilling/well installation, soil vapor extraction, groundwater sampling aquifer testing and bioremediation injection.
- Managed several pipeline leak assessment and remediation projects for a large pipeline company from El Paso Texas to Northern California. Obtained 5 site closures in three years on this position. Performed emergency spill response coordination with various agencies, obtained 404 permits, managed assessment and remediation projects. Prepared RFPs, bids packages and engineering estimates. Evaluated bids based on technical contents, cost and personnel qualifications. Prepared budget and schedules for each projects, managed 5 million dollar annual reserve account and allocation. Prepared for insurance billing for several of the projects. Prepared authority for expenditure (AFE) documents, five year forecasts and schedules.

Regulatory Agency Interaction and Closure Negotiations:

- Managed a closure for a former chemical blending facility in Rancho Dominguez, California. Site went under several remediation efforts including hot air injection, pump and treat and resin adsorption, soil vapor extraction, excavation with large diameter auger, and chemical oxidation. When all are failed, there was a project management change at the site and I was involved. Property was sold and buyer held back 1-million dollar pending site closure. After lengthy negotiations and demonstration that the plume is not migrating, very stable and contained in the clay, an unrestricted site closure was obtained for the methylene chloride plume from the CRWQCB Los Angeles Region.
- A former auto dealership in Buena Park, client need a rapid site closure for upcoming development projects by the City of Buena Park. The site was sold to city and 2-million dollar was retained in the escrow pending case closure. Performed two-phase extraction using an innovative setup and well layout. Ran the system on a pilot scale for 6 months. Performed rebound testing and ran one more month to complete the remediation of petroleum impacted soil and groundwater. Confirmation soil and groundwater sample indicated that the hydrocarbon concentrations at the site were below any regulatory limits and an unrestricted site closure including for a residential development was granted by the OCHCA.
- During a pipeline release investigation at a site in Brawley, California, negotiated rapid site closure with the agency representative with an innovative sampling and

excavation program. Obtained the site closure within one month of the release discovery.

- Prepared a presentation and rationale for a large oil company to negotiate SVE system shutdown for sites in Sacramento Area. Presentation to agency representatives included evaluation of sustainability, emission generated from the technician drive, electricity use and the cost benefit evaluation of the system for removing low level VOCs from ground. Agency, after a consideration, agreed higher cleanup standards for shutting down the SVE systems that has been operated for several years.

Innovative Solutions and Inventions:

- **Second Opinion Path-to-Closure Evaluations:** Developed a protocol and system of evaluation of the site assessment and remediation data to provide clients a second opinion and path to closure evaluations for the petroleum and chlorinated hydrocarbon impacted soil and groundwater. Performed several of such analysis for a large oil company for several sites, made recommendation for improving existing remediation effort and/or shutting down and changing to an alternative remediation. In order to commercialize this method, prepared fliers, brochures and presentations for potential clients.
- **Bubblex Two Phase Extraction:** Invented a two phase extraction (TPE) method using drop tubes and obtained patent for the method. Performed several innovations for the two-phase extraction to reduce friction, increase air stripping during extraction, measuring vapor and water flow during extraction. Designed an SVE/TPE system with dual entry port knock out tank for both vapor and water extraction. Prepared and delivered several presentation and workshops discussing innovations in two-phase extraction systems in national (Battelle, AEHS, AIPG, ASME) and local (GRA, SAME) conferences.
- **VacCirc – Vacuum Driven In-well Stripping and Recirculation Method:** Developed an in-well stripping and recirculation method using a vacuum source to remove and recirculate water and air from the subsurface. During recirculation, volatile organic compounds are stripped off by air entrainment in the extraction process and cleaner water is released into the injection (or release) well. The injected water have up to 99% less VOCs than the extracted water and have higher dissolved oxygen content. The system is very simple to operate and does not have any moving parts in the wells. It only requires a vacuum source and a vapor treatment unit (SVE unit).

Personal and Professional Acumens

- Work well under stress, tight deadlines and demanding schedules.
- Calm and keep others calm in emergency situation or hectic environments.
- Always on task until it is accomplished and successful outcome is obtained.
- Firm believer of “Every Adversity Carries with it a Seed of an Equivalent or More Benefit (Napoleon Hill)”.
- Attends at least one or two conferences per year to collaborate and to learn the leading developments in the industry.
- Have professional to call upon for any special expertise or projects.
- Good understanding of basic and corporate accounting, taxation and corporate organizational structure.
- Good understanding of corporate human resources, benefits, harassment, drug policies and implementation.
- Able to setup, operate, find resources for medium-large size remediation, feasibility projects at out of state and remote locations.
- Strong computer aptitude for cloud operating/computing, mobile computing, MS Office 365; Working knowledge of QUICKFLOW, AQTESOLVE, API-LNAPL MODEL, EXCEL, WORD, POWER POINT, WINDOWS, MS PROJECT, OUTLOOK, QUICKBOOK.

Education and Professional Registration

- B.S. Geological Engineering, University of Istanbul, Turkey, 1981
- B.S. Geology Geophysics, University of Istanbul, Turkey, 1977
- Certificate in Hazardous Materials Management, University of California, Riverside, 1988
- Graduate Courses in Contaminant Hydrology, California State University, Los Angeles, CA
- Graduate Courses in Environmental Studies, California State University, Fullerton, CA
- The Princeton Course: Groundwater Pollution and Hydrology
- Certificate in Effective Employee Management, California State University, Fullerton, CA
- Certified Hydrogeologist / CA / 377
- Professional Geologist / CA / 5798
- Registered Geologist / AZ / 26771
- Qualified SWPPP Developer/Practitioner (QSD/QSP) / CA / #21372
- California Licensed Contractor – 945367, A, HAZ, C57
- Geological Engineer (#1961), Union of Chambers of Turkish Engineers and Architects, Chamber of Geological Engineering,

Employment History

- 2009 – Present: President, Principal Hydrogeologist, Bays Environmental Remediation Management, Ladera Ranch, CA
- 2007 – 2009: Director of Remediation, Leighton Consulting, Irvine, California
- 1999 – 2007: Director of Environmental, Tait Environmental Management, Santa Ana, California
- 1996 – 1999: In House Environmental Consultant/Project Manager, Santa Fe Pacific Pipeline Partners (currently Kinder Morgan), Orange, California
- 1995 – 1996: Senior Hydrogeologist, Tait Environmental Remediation Management, Orange, California
- 1993 – 1995: Senior Hydrogeologist, Delta Environmental Consultants, Aliso Viejo, California
- 1991 – 1993: Project Manager, Harding Lawson Associates, Irvine, California
- 1989 – 1991: Project Manager and Environmental Trainer, Hydro-Fluent, Irvine, CA
- 1986 – 1989: Independent Geologist, Health and Safety Consultant, Claremont, CA
- 1977 – 1986: Reservoir Geologist, Turkish Petroleum Company, Ankara, Turkey

Project Experience

Vernon, 8 Inch Pipeline Investigation, Commerce, CA -- Project/ Manager for pipeline abandonment assessment for one mile section of the pipeline located in the BNSF Railroad Easement in the City of Commerce. A sampling plan was prepared and executed after approval by the BNSF Rail Road in order to abandon the pipeline in place by cement slurry filling. Any impacted areas were revisited for additional confirmation sampling. Project saved client easement rental fees of up to 20,000/month.

BP Petroleum, Various Sites in Southern California. Soil Vapor Extraction System Evaluations and Optimizations: Prepared an optimization spreadsheet to review and analyze the system and operation data and extraction well responses. Several sites were evaluated and optimization recommendation was developed. In some sites, it was determined that the continuous operation of SVE was not the best solution and recommended replacing with an in-situ bioremediation or bio-venting method. Mr. Pehlivan also was called

Storm Water Pollution Prevention Plan (SWPPP) Implementation Monitoring, Los Angeles --Provides SWPPP monitoring services (QSP monitoring) for three constructions site in Los Angeles ensuring SWPPP compliance and Best Management Program (BMP) monitoring and compliance services. Works with the construction company employees in establishing effective monitoring program and training them on BMP implementation and storm water compliance.

McIntire Cleaners, Crawfordsville, Indiana – Former Dry Cleaner site near Indianapolis, Indiana. Project Manager, SVE design and system operation and maintenance services. Used innovative design and system sizing approach using Capillary pressure curves and air permeability testing from the soil samples. Three distinct zones were identified (upper sand zone, middle silt zone and lower sand zone). Two SVE wells installed one screened in the upper sand zone and the other in the lower sand zone. SVE system was installed as a pilot scale initially upon successful outcome of the 90 day pilot test the system operation extended one more year. Soil vapor concentrations reduced over 90% during the operation. Even the groundwater concentration declined about 80 % after 6 months of SVE operation. System was removed after 1.5 years of operation meeting all required clean up objectives and confirmation soil sampling objectives.

Former Chemical Blending Facility, Rancho Dominguez. Project Manager for a chemical oxidation project for methylene chloride impacted soil and groundwater site in Los Angeles California. A total of 23 injection wells, 16 hydraulic control wells, two vapor extraction wells for vapor control during chemical oxidation and four observation wells were installed. The application design included the use of hydraulic control wells at the perimeter of the plume, injection wells in the impacted area inside the hydraulic control zone. Two SVE/DPE extraction wells in the center were used to move injected remediation chemicals into the center of the plume. Extracted water re-treated with chemicals and injected back into the formation with the next batch of injection. A short-term two-phase extraction was also performed before the injection to condition the water bearing zone for chemical oxidation. Two-phase extraction was also performed two months after the chemical oxidation to remove desorbed compounds from the groundwater and the vadose zone. A No Further Requirements letter was issued by the California Regional Water Quality Control Board, Los Angeles Region after two years of follow up monitoring. The project was featured by EPA Technology trend publication.

Douglas Park, Long Beach, CA. Program Manager for the implementation of soil and groundwater assessment and monitoring projects at a former aircraft production facility undergoing redevelopment. The work included the drilling of over 100 borings, installation of over 75 groundwater monitoring wells, over 30 soil vapor extraction wells, over 100 bioremediation injection wells, aquifer testing and groundwater monitoring including natural attenuation monitoring. Facility went under demolition and grading activities where Mr. Pehlivan and his team performed essential duties in environmental monitoring during demolition and rough grading, over excavation, spot excavation, removal of underground storage tanks, drilling and installation of additional soil vapor extraction and bioremediation injection wells, pilot testing for anaerobic bioremediation and implementation of anaerobic bioremediation in two areas. Mr. Pehlivan and his team also installed and operated a dual phase extraction, LNAPL recovery system at the West Ramp Area. The system was operated for three years and a site closure was obtained after meeting the closure criteria. Mr. Pehlivan developed protocol for field programs

including the aquifer tests and natural attenuation monitoring and managed an approximately 1.5 to 2 million dollar a year budget for over five years.

Program Manager, Assessment and Remediation Activities for a Large Petroleum Pipeline Company in Southern California, Arizona and Texas. Project Manager; managed multiple sites in the Southern California area plus eastern Arizona and in El Paso, Texas. Assisted in pipeline emergency response activities and coordinated follow up remediation activities. These activities involved setting up command center, coordinating activities with Fish and Game, local fire departments, DTSC, CRWQCB, obtaining 404 permit, coordination of emergency response contractor, and selection of remedy up to final site closure. Select projects includes, Orange, Mission Valley, Niland and Imperial Terminals, La Habra Oil Field pumping station, Taylor Yard in California, Yuma Station in Arizona, El Paso Terminal in Texas, Donner Pass pipeline rupture emergency response in Truckee, California, Las Pulgas and Horno Release sites in Camp Pendleton. As the client's representative, reviewed and evaluated reports and plans prepared by other leading environmental consultants. Managed a several million-dollar reserve budget for respective sites, prepared bid packages and project specifications, tied loose ends and obtained five site closures in one calendar year. Mr. Pehlivan in this position oversaw environmental remediation activities involving risk assessment, air sparging, vapor extraction, bio-remediation, bioslurping, dual phase extraction, spot excavation and removal, groundwater pump and treat, facility compliance for waste water treatment and emission control. Prepared insurance billing documents for multiple sites and defensible arguments as to why the cost should be covered by the insurance carriers. As a result of this effort, multimillion-dollar billings to insurance carriers were negotiated with successful collections.

Edwards Air Force Base, Lancaster, California. Project Manager for two-phase/multiphase extraction feasibility tests at several locations. One of the sites had low levels (100 to 500 ug/L) of chlorinated hydrocarbons in groundwater where after six weeks of extraction using a two-phase extraction method the levels were reduced below the remedial action level of 30 ug/L. The second extraction program planned for this site was cancelled based on the success of the first event after two quarters of groundwater monitoring. The second site had up to 4-feet of jet fuel in the several extraction/observation wells. Two-phase extraction was performed using specially designed extraction wells spaced approximately 100 feet apart. The thicknesses of LNAPL in the wells were reduced to less than 2 feet in all wells including the observation wells after 8 weeks of extraction. The third and fourth extraction test were performed at sites to reduce the level of LNAPL and dissolved concentrations as a non-intrusive periodic extraction method using existing monitor wells at these sites. Due to the success of these tests the Client obtained a License for the Two-Phase extraction methodology, get their employee trained to operate this innovative method at their sites.

Plating Company, Los Angeles, CA – Perform site investigation, soil gas, soil and groundwater assessment at an active Plating company. Remove 2-8000 gallons underground storage tanks.

Industrial Facility, Long Beach CA – Performed Path-to-Closure evaluation and presented results to Client. Devised a Regulatory response plan to achieve site closure without having large impact on Client's budget. Manage/perform semi annual groundwater sampling and monitored natural attenuation monitoring.

Alpine Shell, Torrance, California – Project Manager in providing environmental assessment and remediation including periodic soil vapor extraction and two-phase extraction system, indoor air sampling, groundwater investigation, sub-slab vapor monitoring.

Pipeline Site LNAPL Removal and Soil Vapor Extraction (SVE), Carson, CA. Project Manager responsible for design, installation and operation of LNAPL recovery and SVE system. The system was designed to remediate jet fuel impacted soil and to remove LNAPL from the water table. Combined system was installed at an easement in the high voltage power line transportation corridor. LNAPL thicknesses of up to 10 feet were removed using both SVE and QED Product only pumps.

Gateway Chevrolet, Buena Park, CA. Project Manager for a former auto dealership facility with a fuel hydrocarbon plume extending offsite. In order to meet the containment objective, further spreading of the plume had to be stopped and hydrocarbon impacted groundwater need to be pulled back to the site for treatment. After completion of the assessment, pilot testing was initiated using the two-phase extraction method. The test was successful and the program was expanded for site remediation to expedite the clean up for sale of the property. After seven months of continuous system operation the concentration in the vapor and groundwater stream was reduced to a level where a risk based site closure was possible. Results of confirmation sampling indicated that the system had successfully removed hydrocarbons from the capillary fringe as well as the groundwater. Site closure was granted by the lead agency.

Pipeline Investigation, Camp Pendleton, Oceanside, CA. Project Manager responsible for coordination of the field activities with Marine Corps, obtaining a permit for investigation in a wetlands from the Marine Corps, seismic survey, groundwater assessment using Geoprobe and Hydropunch groundwater sampling, pre-investigation conceptual groundwater modeling using QUICKFLOW software.

Pierce Auto, Los Angeles, CA. The site was a former fuel storage and delivery site. There is a large groundwater plume contaminated with fuel hydrocarbons that extended offsite across the street toward a school. In order to meet the containment objective, further spreading of the plume had to be stopped and hydrocarbon impacted groundwater needed to be pulled back to the site for treatment. Performed feasibility studies including aquifer testing, vapor extraction testing and groundwater modeling. Invented, designed

and installed a two-phase extraction system to meet the site remediation objectives. Onsite wells were cleaned with two-phase extraction after two years of system operation. In-situ chemical oxidation (ISCO) using Fenton reagent and hydrogen peroxide and additional two-phase extraction were performed for the offsite plume that was not captured by the onsite wells. Site closure was obtained after ISCO and a year of groundwater monitoring.

Site Investigation, Ball-Incon, El Monte, CA. Major site characterization study where chlorinated hydrocarbons had migrated from a large off-site contamination source. Project Manager; worked closely with the client's attorney as well as the regulatory agency representative. Evaluated the vertical migration of chlorinated hydrocarbons through confining clay layers. The results of this study indicated that the amount of hydrocarbon likely to leak from the site was not sufficient to alter the molecular structure of the clay layer and to create fractures, which would allow penetration through the confining clay layer. As a result of this study and for some other findings at the site, the client was removed from a PRP list for a major groundwater remediation.

Select Publications and Presentations

Pehlivan, M., 2015, "Contour Maps Preparation, Interpretation, Forensic Perspective", March 2015, Poster Presentation, AEHS Annual West Coast Conference, San Diego, California.

_____, Gordon Hinshalwood, Camila Israel, Christopher Meyer, 2015, "Vacuum Driven In-well Air Stripping and Recirculation", March 2015, Platform Presentation, AEHS Annual West Coast Conference, San Diego, California.

_____, Heft, A.W., D. R. VanGoethem, 2014, "Innovative Soil Vapor Monitoring in Observation Wells during Soil Vapor Extraction Reveals Additional Source Areas", May 2014, Poster Presentation, Battelle Chlorinated Conference, Monterey, California.

_____, Heft, A.W., D. R. VanGoethem, 2012, "Using Capillary Pressure Curve Tests for Designing a Soil Vapor Extraction System", May 2012, Poster Presentation, Battelle Chlorinated Conference, Monterey, California.

_____, James A. Jacobs, Philip G. Mihopoulos, 2010, "In-Well Stripping/Recirculation and Two-Phase Extraction Methods, Application and Enhancement for Groundwater and Soil Remediation" A four hour Short Course presentation, 20th International Conference on Soils, Sediments, Water, and Energy and AEHS Foundation Annual Meeting 2010, San Diego, California, March 15-18, 2010.

_____, James A. Jacobs, 2008, "Two-Phase Extraction Methods, Application for Groundwater and Soil Remediation" A four hour Short Course presentation, The 6th

Resume of Mehmet Pehlivan, PG, CHG, QSD/QSP
Bays Environmental Remediation Management
Address: 27702 Crown Valley Parkway, No D4-333, Ladera Ranch, CA 92694
E-mail: mp@baysgrp.net; Phone: 714-455-0057

International Conference, Remediation of Chlorinated and Recalcitrant Compound, Monterey, California, May 19-22, 2008. Organized by Battelle, Columbus, Ohio.

_____, 2007, "Application of Two-Phase Extraction and In-Situ Chemical Oxidation for Remediation of Methylene Chloride Contaminated Groundwater" A platform presentation, The 5th International Conference on Oxidation and reduction technologies for In-Situ Treatment for Soil and Groundwater, Niagara Falls, New York, USA, September 24-27, 2007.

_____, 2006, "Two-Phase Patented Clean-up Methods for Soil and Groundwater Remediation" Platform Presentation, Joint Conference, Enviro-Expo and Land Development, Boston Massachusetts, May 2-3, 2006.

_____, 2005, "Two-Phase Extraction Methods, Application for Groundwater and Soil Remediation" Invited Keynote Speaker for Orange County Bar Association meeting on 11/3/2005.

_____, Dong Li, 2005a, "Two-Phase Extraction Methods, Application for Groundwater and Soil Remediation" A four hour Short Course presentation, The 8th International In Situ and On-Site Bioremediation Symposium, Baltimore, Maryland, June 6-9, 2005. Organized by Battelle, Columbus, Ohio.

_____, Tom Dixon and Greg Buchanan, 2005b, "Using MIP, Capillary Curve and CPT for Design and Implementation of a Successful Remediation Program" A Poster Presentation, The 8th International In-Situ and On-Site Bioremediation Symposium, Baltimore, Maryland, June 6-9, 2005. Organized by Battelle, Columbus, Ohio.

_____, Jo-An Kittleson, Edward Battle, Greg Gibbs, 2004a, "Utilizing PDA And Relational Database For Remediation Data Collection And Reporting" A Poster Presentation, The 4th International Conference on Remediation of Chlorinated and Recalcitrant Compounds, Monterey, California, May 24-27, 2004. Organized by Battelle, Columbus, Ohio.

_____, Matthew W. Hansen, Tara MacHarg, James Specht, 2004b, "Results From A Two-Phase Extraction Pilot Study With Low Level Chlorinated Hydrocarbons And Aromatics" A Poster Presentation, The 4th International Conference on Remediation of Chlorinated and Recalcitrant Compounds, Monterey, California, May 24-27, 2004. Organized by Battelle, Columbus, Ohio.

_____, and Dong Li, Dan Carrier, Philip Mihopoulos, 2002, "Stimulated in Situ Bioremediation of MTBE in a Tight Soil Formation Using Two-Phase Extraction" A Platform Presentation, In The 2002 NGWA Conference on MTBE: Assessment, Remediation, and Public Policy, Orange, California, June 6-7, 2002. Organized by The National Ground Water Association, Westerville, Ohio.

_____, and Philip Mihopoulos, 2001, "Two-Phase/Multiphase Extraction Methods" A four hour workshop presentation, In Situ and On-Site Bioremediation, The Sixth International Symposium, San Diego, California –June 4-7, 2001. Organized by Battelle, Columbus, Ohio.

_____, 2001a, "Two-Phase Extraction Designing, Performance Evaluations And VOCs Stripping", The Proceedings of In Situ and On-Site Bioremediation, The Sixth International Symposium, San Diego, California –June 4-7. Battelle Press, Columbus, Ohio.

_____, Neal Beaty, Tom Dixon, Scott Ek, Richard Coffman, PhD, 2000a, "MTBE and BTEX Stripping During BubblexSM Two-Phase Extraction", G. B. Wickramanayake, A.R. Gavaskar, J.T. Gibbs, and J.L. Means (Eds.) Case Studies in the remediation of Chlorinated and Recalcitrant Compounds (C2-7), pp 41-48, Battelle Press, Columbus, Ohio.

_____, J. Neal Beaty, 2000b, "Remediation of Petroleum Hydrocarbons Using BubblexSM Two-Phase Extraction Method – A Case History", Proceedings of ETCE/OMAE 2000, February 14-17, 2000, New Orleans, Louisiana, Paper No. ETCE2000-10153, A CD-ROM Published by ASME, New York, NY.

_____, 2000c, "Overlay Mapping Technique For Estimating LNAPL Thickness And Distribution In Subsurface", Proceedings of ETCE/OMAE 2000, February 14-17, 2000, New Orleans, Louisiana, Paper No. ETCE2000-10156, A CD-ROM Published by ASME, New York, NY.

_____, 2000d, "Proprietary and Non-Proprietary Multiphase and Dual Phase Extraction Methods and Their Application for Source Reduction, Soil and Groundwater Cleanups" Invited Speaker for California State Water Resources Control Board, Sacramento, January 25, 2000.

_____, James R. Miller, 1999a, "Method for Bubbling Extraction of Groundwater", U.S. Patent Office, Patent No. 5,906,241, Issued on May 25, 1999.

_____, 1999b, "Dual Phase Extraction Methods", Invited Keynote Speaker during Groundwater Resources Associations (GRA) dinner meeting on May 19, 1999 to present Dual phase extraction methods.

_____, James R. Miller, Jim Ferrara, 1998, "A New Approach to Dual-Phase Extraction - Summary of Two Pilot Tests". A Poster Presentation, National Groundwater Association, 50th Annual Convention and Expo, December 13 –16, 1998, Las Vegas, Nevada,

_____, and Cor Wagner, 1987, "Geological Control in the Distribution of Source Rocks and Reservoirs in Upper Cretaceous Carbonates of SE Turkey" Journal of Petroleum Science and Engineering, Elsevier Science Publisher, The Netherlands

_____, 1986, "Capillary Pressure and Its Effects on Petroleum Reservoirs", Turkish Petroleum Corporation, Ankara, Turkey (training book, in Turkish)

Contributed to a book titled: "Handbook of Reservoir and Production Geology", authored by L. Tufan Erdogan, 1983, Turkish Petroleum Corporation, Ankara, Turkey (in Turkish)