



KURT R. BATSEL, PE
PRINCIPAL
THE DEXTRA GROUP, INC.

SUMMARY

Mr. Batsel has extensive experience managing environmental projects for industry, primarily involving remediation under the RCRA and CERCLA regulatory programs. He has worked with a broad range of site contaminants, and been responsible for planning and implementation of both in situ and ex situ remedial technologies in challenging environmental settings. Mr. Batsel's key area of focus is in The Dextra Group's projects practice, where he helps industrial clients effectively manage mid- to large-size soil and groundwater environmental remediation projects. Mr. Batsel has a proven track record of successfully completing small (<\$10,000) as well as large (>\$1 million) technically complex remediation projects.

PREVIOUS EXPERIENCE

1987–2000 **Camp Dresser & McKee Inc.** Atlanta, Georgia

Vice President - Atlantic Division Industrial Services Manager (96-00)

- Operational responsibility for remediation practice in Atlantic Division
- Served as technical lead for several large multi-national industrial clients (BASF, Textron, Rohm & Haas, AstraZeneca)

Associate - Industrial Services Group (92-96)

Project Manager/Team Leader- (87-92)

- Participated in firm-wide project management reengineering steering committee that designed CDM's current project manager development program

1984–1987 **U.S. Environmental Protection Agency** Atlanta, Georgia

RCRA Program Project Manager (84-87)

- Responsible for developing permits under the RCRA program, including review of design proposals for solid and hazardous waste treatment, storage and disposal facilities
- Project manager on several joint RCRA/CERCLA sites and assisted in the development of EPA Region IV policy regarding permitting of RCRA sites on the Superfund National Priorities List

1981-1983 **University of Florida** Gainesville, Florida

Environmental Engineering Laboratory Assistant

- Responsible for performing methods development and routine analysis using GC/MS, high pressure liquid chromatography, and atomic absorption spectrometry

EDUCATION

M.E. Environmental Engineering, University of Florida, 1983

B.S.E. Environmental Engineering, University of Florida, 1982

REGISTRATION

Professional Engineer: Georgia, Florida, South Carolina, Alabama, Arkansas

MEMBERSHIPS AND AWARDS

Outstanding Performance Award, U.S. EPA, 1986

Air and Waste Management Association, Georgia Chapter, Corporate Sponsorship
Chairman

PUBLICATIONS

Case Studies of Pump and Treat Remediation: A Dynamic Process to Achieve Successful Cleanup, Journal of Industrial Wastewater Treatment, Water Environment Federation, June 1994 (with A.E. Speight and D.R. Harris).

Contamination Assessment and Remediation in Public Works Projects, Proceedings of the 1993 American Public Works Association Industrial Annual Convention, Jacksonville, Florida, May 1993.

Florida's Innovative Procurement System Speeds Cleanups, Engineering News-Record, April 1993 (with D.R. Harris).

Waste Site Remediation Overview, Presented at the Puerto Rico Water Pollution Control and American Water Works Association Industrial Waste Management Conference, San Juan, Puerto Rico, March 1993.

Use of Innovative Contamination Assessment Techniques During Remedial Action, Presented at the 1992 Annual Conference of the Florida Air and Waste Management Association, Fort Walton Beach, Florida, September 1992.

Remedial Construction Management: An Engineer's Point of View, Proceedings of the Air and Waste Management Association Annual Meeting, Kansas City, Missouri, June 1992 (with D.A. Gow).

EPA's Proposed RCRA Corrective Action Program: Implications for the Pulp and Paper Industry, Proceedings of the TAPPI Environmental Conference, Richmond, Virginia, April 1992.

The Role of Risk Assessment in EPA's Proposed RCRA Corrective Action Rule, Proceedings of the Environmental Technology Expo, Chicago, Illinois, April 1991.

PRP responses in the Superfund Process, Proceedings in the Florida Chamber of Commerce Conference on Solid and Hazardous Waste Management, Tampa, Florida, October 1990.

Use of Risk Based Evaluations in the RCRA Program, Presented at the Air and Waste Management Association Hazardous Waste Conference, Pittsburgh, Pennsylvania, June 1990.

A Case Study in Remedial Design - The Vroom Contamination Site, Accepted for Presentation at the Air and Waste Management Association Hazardous Waste Conference, June 1990 (with R.T. Clark).

Design of Remediation Systems for UST Releases, Published in Florida Environments, September 1989 (with K.O. Gill).

RCRA Part B Requirements for Waste Piles, Surface Impoundments and Landfills, Proceedings of the Air Pollution Control Association International Specialty Conference on Hazardous Waste Permitting, Orlando, Florida, March 1986.

The Fate of Industrial Organic Compounds in Drinking Water Aquifers, Project report No. 82-009, STAR Grant No. S021, March 1984 (with J.J. Delfino, J.J. McCreary, M.A. Trehy, and M.B. Monsees).

The Use of Total Organic Halogen to Measure the Fate of Chlorinated Species in Wastewater Disposal Sites, Report to Engineering and Industrial Experiment Station, March 1983 (with J.J. McCreary, S. Wise, and L.B. Sonnenburg).

The Reaction of Chlorine Disinfectant with Organics Adsorbed on Granular Activated Carbon, Publication No. 70, Water Resources Research Center, June 1983 (with J.J. McCreary and J.R. Rivera).

SELECTED PROJECT EXPERIENCE - REMEDIATION

Managing all site activities related to obtaining closure of five contaminated sites for TRW Inc.. The sites are located in New York, Illinois, Nebraska, and Massachusetts and include the direction of assigned consulting firms in remedy evaluation and selection, groundwater treatment system operation and optimization, implementation of insitu technologies for accelerating groundwater cleanup, regulatory negotiations and permitting, groundwater monitoring programs, and O&M reports to state agencies. Primary contaminants are chlorinated VOCs, along with metals and PCBs. Project management tasks have included development of life-cycle costs and yearly budgets to assist TRW in financial management of these environmental liabilities.

For the Florida Department of Environmental Protection (FDEP), served as project manager for a five-year, multimillion-dollar task order contract involving assessment and remediation of hazardous waste sites across Florida, gaining hands-on experience with remediation policies and procedures followed by the FDEP. Projects included comprehensive services at dry cleaning solvent waste disposal sites, an abandoned airstrip contaminated with pesticides residue, metal plating facilities, and an industrial landfill.

For Calgon Carbon Corporation's Catlettsburg, KY facility, provided project management during implementation of the RCRA Facility Investigation (RFI). The RFI fieldwork was phased so that each data collection effort could efficiently build on previous sampling program results. Risk-based concepts were built into the early work plan submittals, fostering state acceptance of our risk-based data presentation in the final RFI report.

Provided litigation support and expert testimony for Dickies Industrial Services on a cost recovery case involving a solvent contaminated commercial dry cleaning facility in Forrest Park, Georgia.

Managed environmental components of Universal Studios Inc's major expansion of its theme park operations in Orlando, Florida. The project involved the turkey assessment and remediation of a 3,200 acre adjacent parcel of land previously owned by Lockheed Martin. Interim Response Measures were used extensively under this project to accelerate the corrective action process, reduce the regulatory agency administrative burden, and allow phased property development in accordance with economically-driven build out plans for the property.

For the Georgia Power Company, developed an innovative sampling program to characterize chlorinated hydrocarbons identified in existing onsite production wells. Our approach utilized advanced logging techniques and discrete interval sampling with double packers to clearly identify contaminated flow zones. We were able to combine this information with available hydrologic data to demonstrate that the contaminated zones would be controlled by continued pumping of the production wells, and that nearby surface waters would not be adversely impacted. A well-head treatment system was ultimately added to the contaminated production well to mitigate the in-plant impacts of the solvent contamination's.

Managed the site investigation, feasibility study, risk assessment and remedial action plan phases for this remediation and litigation support project involving redevelopment of a rail yard site in Alexandria, Virginia. The project included litigation support for cost recovery against a former scrap yard tenant on the property, which was resolved in favor of our client. Litigation support tasks included hydrocarbon fingerprinting to differentiate scrap yard petroleum constituents (hydraulic fuel related) from rail yard constituents (diesel fuel related), allowing appropriate allocation of cost for the scrap yard and rail yard operators. A similar allocation approach was used for lead by conducting metals speciation to differentiate rail yard related lead contributions from auto scrap related lead. Developed an assessment and remediation strategy for the BASF plant in Anderson, SC to address chlorinated hydrocarbon contamination in deep bedrock. Our strategy, accepted by the state, utilized hydraulic controls established by existing surface water features to prevent offsite contaminant migration coupled with an intrinsic biodegradation demonstration.

Project manager during the remedial investigation at the AstraZeneca chemical production facility in Mt. Pleasant, TN. Work on this state Superfund site involved extensive geologic exploration to identify deep bedrock groundwater flow paths, including an extended dye-tracer study to assess karst flow conduits. Assisted with development of the overall site management strategy that will address deep bedrock contamination impacts on a watershed-wide basis.

Served as Technical Director during RFI support project for Mallinckrodt at the Orrington chlor-alkali facility in Maine. Work consisted of identifying the extent of contamination from metals (primarily mercury and VOCs (associated with previous disposal practices) and using the information to assess the potential of both human health and environmental impacts. Our investigation work used advanced geologic assessment techniques (VLF and seismic refraction) to identify preferential ground flow pathways in bedrock, focusing on the bedrock assessment, and reducing the number of additional monitor wells required to adequately assess the extent of bedrock impacts.

Assisted Rohm & Haas Company in eliminating the majority of the SWMUs initially identified by the state as requiring additional RFI work at the Louisville, Kentucky facility. By compiling a comprehensive evaluation of the available historic data on the numerous SMWUs at the site, we were able to convince the state that most of these had already been fully assessed. A confirmation sampling phase was also used to obtain limited additional data to fill minor data gaps for a number of SWMUs, keeping these units from proceeding to a full scale RFI.

For Southerland, Asbill & Brennan LLP, performed a risk assessment to assess the impact of VOC vapor migration from contaminated groundwater to onsite buildings scheduled for renovation. Modeling of volatilization of the primary contaminant, benzene was performed to assess the ultimate impact to future building residents and to assist in developing a building subfloor venting remedy.

For the City of Atlanta, provided expert testimony in the condemnation proceedings for a contaminated parcel being acquired by the City as an expansion site for the R.M. Clayton Water Reclamation Facility. Work included conducting Phase I and II Environmental Site Assessments (ESAs) that triggered HSRA notification due to the presence of organics and metals in soils, and developing an impaired value for the City's use in condemnation proceedings for the parcel.

Assisted USX Corporation in defending against environmental claims stemming from trichloroethylene groundwater contamination at the CPI Plastics site in Newnan, Georgia. We utilized state of the art groundwater modeling tools to support our expert testimony regarding contaminant migration and plausible release scenarios. This case was awarded in favor of USX Corporation in February 1999.