



JAMES H. CLARKE, Ph.D., BCES, F.AAFS

EDUCATION:

Ph.D. Theoretical Chemical Physics, The Johns Hopkins University, Baltimore, Maryland, 1973
B.A. Chemistry, with honors, Rockford College, Rockford, Illinois, 1967

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS:

American Academy of Forensic Sciences, Fellow
International Society of Environmental Forensics
Nuclear Regulatory Commission (NRC) Advisory Committee on Reactor Safeguards (Consultant)
American Nuclear Society
Rockford College, Board of Trustees, Trustee Emeritus

OTHER PROFESSIONAL ACHIEVEMENTS:

Recognition Award, US Department of Energy, for Peer Review of Proposed Sonic Drilling in Pit 9
Distinguished Service Award, Nuclear Regulatory Commission

CURRENT PROFESSIONAL INVOLVEMENT: 2000 – present, AquAeTer, Technical Director

Dr. Clarke has over 30 years of experience in environmental engineering and science with emphasis on environmental forensics and litigation support, fate and transport of chemicals in the environment, risk assessment, chemical release and waste site remediation. He has specialized knowledge and experience in the environmental behavior of PCBs and related compounds, toxaphene, chlorinated solvents, and petroleum hydrocarbons.

Dr. Clarke is also a Professor of the Practice in the Department of Civil & Environmental Engineering and a Professor in the Department of Earth & Environmental Sciences at Vanderbilt University. He teaches courses on environmental assessment, environmental characterization and analysis and technology and environment. His research is in the areas of environmental and ecological risk analysis, the investigation and remediation of contaminated sites, environmental forensics, and performance assessment and monitoring of land disposal facilities.

PRIOR PROFESSIONAL INVOLVEMENT:

1998 - 2000 Eckenfelder, Brown and Caldwell, Senior Vice President
1997 - 1998 ECKENFELDER INC., Chairman of the Board
1984 - 1997 ECKENFELDER INC., President and CEO
1982 - 1984 ECKENFELDER INC., Vice President

AREAS OF EXPERTISE:

Environmental Forensics	PCBs, Toxaphene, DDT and other Pesticides	Contaminant Fate and Transport Modeling
Environmental Assessments	Risk Assessments	Contaminated Site Investigation and Remediation
Environmental Impact Statements	Performance Assessments and Monitoring	
Expert Testimony		

KEY CLIENTS AND INDUSTRIES:

<u>Law Firms</u>	Perkins Coie	Pulp and Paper
Adams & Reese	Powell, Goldstein, Fraser & Murphy	Rubber and Synthetics
Andrews & Kurth	Thompson & Edwards	Specialty Metals
Baker & Hostetler	Skadden, Arps, Slate, Meagher & Flom	Refining and Petrochemicals
Cleary, Gottlieb, Steen & Hamilton	Squire, Sanders & Dempsey	Metals Finishing and Electroplating
Dechert, Price & Rhodes	Swidler, Berlin, Sherrif & Fienman	Hazardous and Radioactive Waste Management
Hill Wallack	Winston & Strawn	
Jenner & Block		<u>Government</u>
Jones, Day, Reavis & Pogue		Nuclear Regulatory Commission
Kirkland & Ellis	<u>Industrial</u>	US Department of Energy
Kirkpatrick & Lockhart	Chemicals	US EPA
Latham & Watkins	Iron and Steel	US Department of Defense
McKenna, Long & Aldridge		