

**JTI000043**

# CURRICULUM VITA

## BARRY WAYNE SULKIN, M.S.

4443 Pecan Valley Rd.  
Nashville, Tennessee 37218  
(615) 255-2079

Birthdate: May 3, 1953  
Memphis, TN

### EDUCATION

1987 M.S., **Vanderbilt University** - Nashville, Tennessee  
Major: Environmental Engineering

Master's Thesis: "HARPETH RIVER BELOW FRANKLIN DISSOLVED OXYGEN STUDY"- A field study and computer modeling using QUAL2E of the impacts of a city sewage treatment plant discharge into a river.

1975 B.A., **University of Virginia** - Charlottesville, Virginia  
Major: Environmental Science

Additional undergraduate courses: math and engineering at University of Tennessee – Knoxville 1982-1984

### HONORS

**River Hero Award**, presented by River Network 2006

**Lifetime Achievement Award**, Tennessee Environmental Council, 1990

**Water Conservationist of the Year**, Tennessee Conservation League, 1989

**State of Tennessee/Vanderbilt University Environmental Engineering Graduate Scholarship**, 1985 - 1987

**duPont Scholarship**, University of Virginia, 1971 - 1975

**Eagle Scout**, 1967

### PROFESSIONAL EXPERIENCE - CURRENT

Sept. 1990 - **Environmental Consultant**  
Present Self-employed

Working as consultant and scientist serving clients such as attorneys, environmental/citizen organizations, cities, individuals, businesses, media, and sub-contractor for other consultants. Activities include research projects, field studies/sampling, permit negotiations, information and file research, photography, site evaluations, and expert witness presentations concerning water quality, landfills, superfund, and other environmental issues; also TN Director of Public Employees for Environmental Responsibility (PEER). Also employed by EPA as special expert to serve on Federal Advisory Committee for Detection and Quantitation and Uses in the Clean Water Act representing environmental groups (June 2005- Dec 2007).

## **PROFESSIONAL EXPERIENCE - PREVIOUS**

1987-June 1990 **Manager**

and 1985                    Enforcement and Compliance Section  
                                 Division of Water Pollution Control  
                                 Tennessee Dept. of Health and Environment  
                                 Nashville, Tennessee

Responsibilities: Statewide manager of enforcement investigations and legal referrals for water pollution programs under the federal Clean Water Act and the Tennessee Water Quality Act; witness for hearings before the Water Quality Control Board, and local and state courts; data processing and analysis for wastewater permit discharges; field research projects regarding water quality problems.

1989                        **Instructor**

                                 Graduate School of Engineering  
                                 University of Tennessee, Knoxville

Responsibilities: Assistant instructor for graduate course in environmental engineering- wastewater treatment.

Sept.-Nov.1986 **Assistant Manager**

and 1981                    Regional Field Office  
                                 Division of Water Pollution Control  
                                 Tennessee Dept. of Health and Environment  
                                 Nashville, Tennessee

Responsibilities: Coordinated inspections, complaint investigations, field studies, and enforcement for wastewater programs in 41 county region.

Sept. 1985

- Aug. 1986    Education leave to attend graduate school

1984-1985                **Special Projects Assistant**

                                 Director's Office - Elmo Lunn, Director  
                                 Division of Water Pollution Control  
                                 Tennessee Dept. of Health and Environment  
                                 Nashville, Tennessee

Responsibilities: Provided statewide coordination and technical assistance on deep well waste injection regulations, clear-cutting forestry problem investigations, animal waste problems, public relations and media presentations, state planning and policy, enforcement and field office coordination.

1982-1984

**Enforcement Coordinator**

Regional Field Office  
Division of Water Pollution Control  
Tennessee Dept. of Health and Environment  
Knoxville, Tennessee

Responsibilities: Coordinated enforcement action in municipal and industrial drinking water and wastewater programs in 24 county region, including fish kills, spills, complaint investigations, and stream studies.

1981-1982            **Assistant Manager**  
Enforcement Section  
Division of Water Pollution Control  
Tennessee Dept. of Health and Environment  
Nashville, Tennessee

Responsibilities: Coordinated statewide investigations and legal actions for drinking water, wastewater, and safe dam programs.

1977-1981           **Water Quality Specialist**  
Regional Field Office  
Division of Water Pollution Control  
Tennessee Department of Health and Environment  
Nashville, Tennessee

Responsibilities: Inspected drinking water, and municipal and industrial wastewater systems for 41 county area; investigated spills, underground storage tanks, fish kills, and citizen complaints; conducted stream studies; coordinated enforcement program.

1976-1977           **Water Quality Specialist**  
Regional Field Office  
Division of Water Pollution Control  
Tennessee Dept. of Health and Environment  
Chattanooga, Tennessee

Responsibilities: Inspected public drinking water systems for nine county area; investigated spills and citizen complaints.

1975                   **Research Assistant/Lab Technician**  
Department of Environmental Science  
University of Virginia  
Charlottesville, Virginia

Responsibilities: Test soil and sediment from Chesapeake Bay for Corps of Engineers dredge spoils study.

1974                   **Research Assistant**  
Department of Environmental Science

University of Virginia  
Charlottesville, Virginia

Responsibilities: Weather research project data processing.

1974                    **Research Assistant/Lab Technician**  
Department of Civil Engineering  
Water Quality Lab  
Memphis State University  
Memphis, Tennessee

Responsibilities: Field sampling and lab analyses of water for study of urbanization impacts of watershed streams.

**PROFESSIONAL/CIVIC ORGANIZATIONS, CERTIFICATIONS, & EXPERIENCE (Past & Present)**

*Certified Erosion Prevention and Sedimentation Control Professional (TN), Aug. 2004 & Oct. 2007*

Davidson County Grand Jury, Oct. - Dec. 1998, Nashville, TN

Nashville and Davidson County - Floodplain Review Committee, Oct. - Dec. 1998

National Environmental Health Association  
*Registered Environmental Health Specialist, 1994*

State of Tennessee  
*Registered Professional Environmentalist, 1982*

American Society of Civil Engineers

Water Environment Federation

Tennessee Environmental Council - Board of Directors, 1994 -

International Erosion Control Association

Tennessee Scenic Rivers Association

**ADDITIONAL TRAINING**

“Fundamentals of Erosion Prevention and Sediment Control” certification course by the Univ. of Tenn. and the Tenn. Department of Environment and Conservation, Aug. 26, 2004 & Recertification Oct. 9, 2007

“BASINS Training” short course of EPA supported computer mapping and water quality modeling techniques, Utah State Univ., Logan UT, August 6 - 10, 2001

"Wetland Mitigation Techniques" workshop by Tennessee Tech. Univ., Cookeville, TN April 26, 1999

"Pulp and Paper Cluster Rule and Clean Water Act Permits", by Clean Water Network with EPA, Seattle, Washington, February 18-19, 1998

"Bioengineering Techniques for Streambank and Lakeshore Erosion Control", by Wendy Goldsmith, International Erosion Control Association, April 27, 1995

"Fundamentals of Hydrogeology, Karst Hydrogeology, and the Monitoring, Containment, and Treatment of Contaminated Ground Water", by Albert Ogden and Gerald Cox, January 6-7, 1994

"Ground Water Hydrogeology and Dye Tracing in Karst Terrains", by James Quinlan, April 2, 1992

"NPDES Permit Writers Course" by the Environmental Protection Agency (EPA), April 1988

"Sediment Oxygen Demand Workshop", by EPA, U.S. Environmental Research Laboratory, Gulf Breeze, Florida, September, 1987

"Compliance Monitoring for NPDES Permits", by EPA, October, 1978

"Hazardous Materials Tactical Workshop", by Tennessee Civil Defense, April 1978

"Troubleshooting O & M Problems at Municipal Wastewater Treatment Facilities", by EPA, March, 1978

## **PRESENTATIONS/PUBLICATIONS**

July 2005

*"The Clean Water Act Owner's Manual"*, second edition, contributing writer & editor, River Network, Portland, OR

December 2003

*"Stream Flow and the Clean Water Act"*, Atlanta, GA, with River Network, Portland, OR

February 2003 & December 2004

*"Clean Water Act - Train the Trainer"*, Denver, CO & Madison, WI, with River Network, Portland, OR

May 2002

*"Tracking TMDLs"*, contributing writer & editor, National Wildlife Federation, Montpelier, VT & River Network, Portland, OR

February 2002

*"A Protocol for Establishing Sediment TMDLs"*, contributing writer & editor, developed for the Georgia Conservancy & University of Georgia Institute of Ecology by the Sediment TMDL Technical Advisory Group, Athens, GA

May 2001 - May 2006

*River Rally*, annual national training conference held in: California, North Carolina, Washington, Virginia, Colorado, and New Hampshire; taught various each year on: Clean Water Act, NPDES Permits, Anti-degradation, Stormwater, TMDLs, Enforcement, Wetlands & Mitigation; by River Network, Portland, OR

March 2001

*"The Ripple Effect - How to Make Waves in the Turbulent World of Watershed Cleanup Plans"*, contributing writer & editor, Clean Water Network, Washington, D.C.

October 1999 - April 2001

*"Clean Water Act Workshop"*, presenter for three-day training conferences - Vermont, Georgia, Tennessee, Colorado, New Mexico, Ohio, and Alaska, with River Network, Portland, OR

October 2000

*"TMDL Workshop"*, presenter for training in San Diego, CA, with River Network, Portland, OR

April 1999

*"U.S. Environmental Laws & Regulations Compliance - Understanding Your Obligations Under the Clean Water Act"*, session on Clean Water Act for course sponsored by Government Institutes, Inc. of Rockville, MD, given in Nashville, TN

March 1999

*"NPDES and State Water Quality Permits"* and *"The TMDL Process"*, presentations at the Tenn. Clean Water Network conference; March 27, 1999, Bethany Hills Camp, Kingston Springs, TN

March 1999

"*State of the Rivers: Tennessee*" presentation at World Wildlife Fund "*State of the Rivers Conference*", March 15, 1999, Chattanooga, TN, with co-author of Tenn. section of "*A Conservation Potential Assessment of the Mobile and Tennessee/Cumberland River Basins in Alabama, Georgia, and Tennessee*" by WWF

December 1998

"*America's Animal Factories*", contributing writer & editor, National Resources Defense Council, Washington, D.C.

December 1998

"*The TMDL Process*", presentation with NRDC attorney at national Sierra Club state leaders conference, Santa Fe, New Mexico, December 11, 1998

October 1998

"*Clean Water Act Permits, Modeling, and TMDLs*" presentation at national conference of clean water organizations & attorneys, by Clean Water Network/NRDC, Oct. 16, 1998, Washington, DC

May 1998

"*Impacts of State Route 840 Upon the Human and Biophysical Environment*" NEPA, ISTEA, and Public Participation in Transportation Projects, Dept. of Environmental Geography guest lecture, Austin Peay State University, May 1, 1998, Clarksville, TN

March 1998

"*The State, EPA, Citizens - How the System Works*" Tennessee Clean Water Conference, Opening Plenary Presentation, March 28, 1998, Nashville, TN

March 1998

"*Total Maximum Daily Loads (TMDL) The Science, Process, & Controversy*" American Water Resources Association 1988 Tennessee Conference; paper presentation as part of panel with EPA representatives on TMDLs, March 3, 1998, Nashville, TN.

February 1997

International Erosion Control Association, on panel of speakers for session on practical applications of erosion controls at annual IECA national conference, Nashville, TN

October 1994

"*Stream Ecology, BMPs, and Compliance*", environmental impacts of road building, Sierra Club Southern Appalachian Highlands Ecosystem Taskforce, Transportation Workshop, Banner Elk, NC

June 1994

"*Fundamentals of Tennessee Environmental Law*", presentation on Water Pollution Control and Compliance Strategies, for course sponsored by Government Institutes, Inc. of Rockville, MD, given in Knoxville, TN

June 1994

University of Tennessee Law School, guest lecture on Water Pollution and the related state and federal laws, Knoxville, TN

October 1992



"*Storm Water Regulations for Saw Mills*" - Seminar sponsored by the Tennessee Association of Forestry and the Univ. of TN, Nashville.

August 1992

"*Storm Water Regulations for Industry*" - Seminars sponsored by the Tennessee Association of Business and the Univ. of TN, Chattanooga, Knoxville, Jackson, and Nashville.

July 1992

Storm Water in Tennessee - A Training Manual for Manufacturers, University of Tennessee Center for Industrial Services

April 1992

"*Dissolved Oxygen Study - Sewage Treatment Impacts and Assessments*", VA Water Pollution Control Assoc. 46th Annual Conference, Roanoke, VA

October 1990

"*The Tainted Waters of the Cumberland*"; Cumberland Journal, v.1, no. 1, pp. 16-20; Nashville, Tennessee.

November 1988

"*A Rapid Bioassessment of Richland Creek, Davidson County*", by M. Browning, B. Sulkin, T. Merritt, TN Div. of Water Pollution Control

June 1988

"*Assimilative Capacity of the Obed River at Crossville, Tennessee*"; U.S. Geological Survey 1st Annual Hydrology Symposium, Nashville, TN

March 1987 - 1994

Vanderbilt University Graduate School of Engineering and Law School; guest lectures on water quality topics and computer modeling of river waste assimilative capacity.

July 1983

Testimony on the pollution at the Oak Ridge nuclear weapons facilities before Congressional hearing chaired by then Congressman Albert Gore.