

JOHN A. VEIL

Environmental Policy Analysis Section
Environmental Science Division
Argonne National Laboratory

Education:

M.S. Univ. of Maryland, Civil Engineering (Environmental Eng.), 1980
M.S. Univ. of Maryland, Zoology (Marine Biology), 1977
B.A. Johns Hopkins Univ., Earth and Planetary Science, 1975

Professional Experience:

1993-Present Manager, Water Policy Program
Environmental Science Division
Argonne National Laboratory

Initiates, coordinates, and conducts technical analyses on regulatory, legislative, and policy issues relating to the Department of Energy (DOE) and energy industry operations, with specialization in water and waste issues. Evaluates the feasibility of innovative production and waste management technologies. Examples include: analysis of cost-effectiveness of EPA oil and gas industry effluent guidelines; assessment of costs and energy losses to the power industry resulting from proposed modifications to thermal discharge and cooling water intake requirements; analysis of operational, environmental, and economic properties of synthetic drilling fluids; evaluation of the feasibility, legality, cost, and risk of disposal of nonhazardous oil field wastes into salt caverns; evaluation of downhole separation technology for management of produced water; evaluation of slurry injection technology for underground disposal of oil field wastes; and preparation of an innovative drilling waste management information system website. Has assisted several other countries (Netherlands, Russia, Mexico, Brazil, Croatia) in understanding U.S. oil and gas environmental regulatory programs. Manages all Water Policy Program projects to establish scope of research, and designs or approves the technical and theoretical approach and techniques to be used; ensures that budget and schedule requirements are met. Frequently invited to speak at national and international conferences. Extensively publishes and presents results of research.

Summary of Previous Experience:

1990-1993 Environmental Systems Engineer
Argonne National Laboratory
Washington, DC

Conducted technical and policy assessments on DOE and energy industry water issues. Developed guidance for helping assure DOE compliance with environmental statutes and regulations. Participated in several professional organizations and presented research results at conferences. Prepared technical reports and publications on water topics.

1980-1990	Held positions of increasing responsibility with the Maryland Department of the Environment (Baltimore, MD) and its predecessor agencies
1988-1990	Administrator-Industrial Discharge Program
1986-1988	Chief-Industrial Point Source Division
1982-1986	Head-NPDES Section
1980-1982	Water Resources Engineer

Responsibilities increased from writing National Pollutant Discharge Elimination System (NPDES) permits for industrial discharges to serving as Administrator of the Industrial Discharge Program. In the most recent position, managed state-wide programs for industrial water pollution control including the NPDES, Groundwater Discharge Permits, Underground Injection Control, Oil Control, and Biomonitoring programs and supervised a staff of 23 engineers and scientists. Represented MDE on several multi-jurisdictional committees of the EPA Chesapeake Bay Program and in numerous EPA Region III forums.

Research Interests:

Management of oil and gas production wastes and produced water
Feasibility evaluations of oil and gas industry technology
Cost-effectiveness of environmental regulations
Policy implications of CWA and SDWA and their associated regulations
Environmental and economic impacts of thermal discharges and cooling water intakes
Underground injection of energy industry wastes and wastewaters

Professional Activities:

Ground Water Protection Council - Member of Board of Directors (1989-1990)
Underground Injection Practices Research Foundation - Treasurer and Member of Board of Directors (1993 – 2000)
Society of Petroleum Engineers – served on steering committee for three environmental conferences and chaired sessions at each
Interstate Oil and Gas Compact Commission – Environmental and Safety Committee (2000-2002)
International Petroleum Environmental Conference – Conference co-chairman (2001-2005), also chaired numerous sessions
Serves on advisory board to Journal of Petroleum Technology and NAFTA (Croatian scientific journal)
Produced Water Society (2003-present)

Publications:

Author or co-author of 280+ journal, report, and conference publications and presentations.