

**RESEARCH PARTICIPATION PROGRAM
U.S. ENVIRONMENTAL PROTECTION AGENCY
NATIONAL RISK MANAGEMENT RESEARCH LABORATORY
SUSTAINABLE TECHNOLOGY DIVISION
Cincinnati, Ohio**

Project # NRMRL-STD-2004-03

The role of water quality in sustainable watershed management

A postdoctoral research project is available at the U.S. Environmental Protection Agency (EPA), National Risk Management Research Laboratory (NRMRL) in the area of water quality management at the watershed level. Sustainable watershed management involves the consideration of ecological, economic, engineering, and social dynamics. NRMRL has established a multidisciplinary research group of Ph.D. or professional level researchers (i.e., economists, ecologists, hydrologists, lawyers, and engineers) to work on the development of both theoretical and practical approaches to comprehensive, sustainable environmental systems management. This research should lead to the development of concepts, methods, and software tools that can be used by the public and EPA in considering sustainable strategies for managing water quality under varying levels and configurations of urbanization. NRMRL has developed a strong research effort in this area providing the prospective candidate with a stimulating environment in which to gain research experience.

Applicants should have received a doctoral degree in water quality, aquatic chemistry, environmental science or a closely related area within three years of the desired starting date, or completion of all requirements for the degree should be expected prior to the starting date. A strong background in techniques and methods of experimental design in water quality assessment, field sampling and monitoring practice, analytic instrumentation, and experience with common geographic information systems is important. Good written and oral communication skills are necessary; and a consistent publication record is a plus. The program is open to all qualified individuals without regard to race, sex, religion, color, age, physical or mental disability, national origin, or status as a Vietnam era or disabled veteran.

The appointment is full time for one year and may be renewed for up to two additional years upon recommendation of NRMRL and subject to availability of funds. The annual stipend is \$54,000, with an allowance for professional travel expenses. Limited inbound travel and moving expenses may be reimbursed according to established policies. To be considered for this project, a completed application must be received by the Oak Ridge Institute for Science and Education (ORISE) by October 20, 2004. An application can be found at www.ornl.gov/orise/edu/EPA/app-gugrgpd.pdf

For technical questions about the project, contact: Dr. Bill Shuster, National Risk Management Research Laboratory, U.S. Environmental Protection Agency, 26 W. Martin Luther King Drive, Cincinnati, Ohio 45268, e-mail: shuster.william@epa.gov.

The Postdoctoral Research Program for NRMRL is administered by ORISE. ***Please reference Project # NRMRL/STD-2004-03 when calling or writing for information.*** For additional information and application materials contact: Postdoctoral Research Program/NRMRL, Attn: Betty Bowling, Science and Engineering Education - MS 36, ORISE, P.O. Box 117, Oak Ridge, Tennessee 37831-0117, Phone: (865) 576-8503 FAX: (865) 241-5219, e-mail: bowlingb@ornl.gov.