

Ms. Menegaux is a civil/environmental engineer with diverse experience in drinking water quality evaluation and improvements design; vulnerability assessments; emergency planning; operations and management improvements and documentation, and infrastructure improvement planning and assessments for water and wastewater systems.

Through **EPH Consultants**, Ms. Menegaux provides environmental and technical consulting with a specialty in drinking water quality, water security, and grant funding assistance for environmental, security/emergency preparedness, training, parks and infrastructure projects. Her specific expertise includes preparing emergency management plans and assisting with homeland security assessments and risk reduction planning for water and wastewater treatment systems. Additionally, on behalf of several water utilities, she has pursued grant funding for security related projects and emergency preparedness activities.

Ms. Menegaux is licensed in the Sandia National Laboratories Risk Assessment Methodology for Water (RAM-WSM) and is EPA-trained in Emergency Response Planning. She is the founder and owner of **EPH Consultants**, which is a federal certified woman-owned and small disadvantaged business.

DETAILED EXPERIENCE

- n On behalf of various Florida water and wastewater utilities, conducted investigation of water security and emergency preparedness grant funding opportunities.
- n For large water utility system in Delaware, conducted vulnerability assessment and related security services for water treatment, storage and distribution system. Followed RAM-W procedures and completed work in accordance with EPA directive. Project included in depth review of system components, operations, and management. Recommendations and budgetary costs for system improvements were developed and incorporated to a short term and long term improvement plan.
- n Provided sewer rehabilitation services to New Castle County, Delaware including smoke test studies (inflow/infiltration ID), community outreach, coordinating cleaning and repair of interceptors and design and coordination of interceptor upgrades including wetland, railroad and DOT permits. Developed procurement documents for sewer rehabilitation activities.
- n Coordinated development of system-wide Emergency Management Plan for large water utility system in Delaware. Completed work in accordance with requirements of EPA directive and allowed for incorporation to the City Emergency Operations Plan.
- n For a Delaware water utility, facilitated pursuit of water security and infrastructure improvement grant funding. Also reviewed eligibility for FEMA disaster recovery block grant. Coordinated grant applications and congressional funding requests for a \$25 million finished water reservoir and parks improvement project. Project is being conducted to address security and water quality concerns. Facilitated inter-departmental project implementation.

Anita M. Menegaux

Project Role: Security Consultant

Title/Firm:

Project Director
EPH Consultants

Years of Experience

13

Education

BS Civil Engineering University of Maryland,
College Park 1992
MS Civil and Environmental Engineering
Cornell University 1996

Licenses and Certifications

Professional Engineer (PA, NJ, DE, MD)
Construction Documents Technologist (CDT)

Professional Training

Risk Assessment Methodology for Water (SM)
EPA Drinking Water System Security Train
the Trainer Program EPA Emergency
Response Planning Workshop

Societies

American Water Works Association
American Society of Civil Engineers
American Water Resources Association
Society of Hispanic Professional Engineers
Society of Women Environmental
Professionals - Grants Committee

Employment History

EPH Consultants 2003 to present
Malcolm Pirnie, Inc. 1995 to 2003
Cornell University 1993 to 1995
Air National Guard 1993 to 1993
University of Maryland Department of Civil
Engineering 1992 to 1992
National Oceanic and Atmospheric
Administration 1990 to 1990
Briggs and Associates 1989 to 1989
US Department of Energy 1988 to 1988
US Department of Agriculture 1987 to 1987

- n For large Pennsylvania water utility conducted assessment of treatment process with the goal of identifying opportunities to reduce formation of disinfection by-products. Developed jar testing plans, evaluated strategies to reduce DBP formation including enhanced coagulation, alternate disinfection, pH adjustment, polymer addition, and use of alternative coagulants. Planned, lead and conducted testing programs for the selection and optimization of water treatment and distribution operation strategies focused on minimizing disinfection by-products in a system using chloramines for secondary disinfection. Conducted tracer study program to determine contact time for disinfection purposes at the treatment plant. Developed work plan, sampling program. Evaluated corrosion control for Lead and Copper Rule conformance.
- n Provided SDWA compliance consulting for large New Jersey water system. Performed corrosion control study and developed corrosion control strategies to conform with the Lead and Copper Rule. Planned for water treatment plant expansion, prepared 20 year capital costs for water treatment system. Conducted bench scale studies for alternate coagulation strategies. Developed improvements to air stripping system.
- n Provided operations consulting for finished water reservoir in Delaware. Developed plan to aggressively monitor water quality in the finished water reservoir. Developed alternative operational strategies to minimize water age and conducted bench scale studies to evaluate the impact of disinfection, orthophosphate and sunlight on water quality. Reviewed impact on Lead and Copper Rule compliance.
- n For a number of industrial and municipal clients, reviewed state and federal regulatory compliance status. Prepared regulatory permit applications for process water and stormwater discharge, wetland construction, construction in roadways, well drilling and landfill operations.
- n For various municipal systems throughout the US, provided assistance with privatization and/or enhancement of competitive standing. Activities included valuation of systems, comparison of systems and operations to industry standards, and for sale/contract-operations/design-build/design-build-operate projects, development of procurement documents and service agreements, evaluation of Statement of Qualification packages, and assistance with selection of vendors.
- n Currently serving on the Grants Committee of the Society of Women Environmental Professionals to develop an environmental grant program with funding from local and national sources.
- n Prepared NPDES permit update for Chester County industrial site.
- n For Montgomery County Redevelopment Authority, developed procurement documents and reviewed submittals for selection of brownfields contractors.
- n For a number of industrial and municipal clients, reviewed state and federal regulatory compliance status. Prepared regulatory permit applications for process water and stormwater discharge, wetland construction, construction in roadways, well drilling and landfill operations.
- n For large water utility system in Delaware, conducted vulnerability assessment and related security services for water treatment, storage and distribution system. Followed RAM-W procedures and completed work in accordance with EPA directive. Project included in depth review of system components, operations, and management. Recommendations and budgetary costs for system improvements were developed and incorporated to a short term and long term improvement plan.
- n Prepared successful grant applications for workforce training funds for a number of organizations in Pennsylvania.
- n Prepared successful EPA brownfields grant applications for a number of municipalities in Pennsylvania and New Jersey. Assisted municipalities with implementation of grant and redevelopment of former industrial properties.
- n Provide land development and project planning consulting to Habitat for Humanity of Montgomery County, Pennsylvania.
- n Serve as Technical Advisor to Pennsylvania watershed organization for EPA superfund activities.