

EDWARD A. MILLER, P.E.

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Academic

Background: B.S., Engineering, University of Maryland, College Park, Maryland, 1986
M.S., Engineering Management, University of Maryland University College, 1995

Professional

Registration: Licensed Professional Civil Engineer: Delaware, Maryland, New York, Pennsylvania, Virginia, and West Virginia

Expertise: Project Management
Surface Water Hydrology
Open Channel Hydraulics
Water Treatment System Design
Environmental Permitting

Professional Experience:

- As a corporate project manager and as a civil/environmental engineering consultant for the past 22 years, primarily responsible for managing technical teams of in-house and consulting staff to achieve client/corporate objectives for various site development projects. Responsibilities included management of technical teams for the acquisition and/or development industrial facilities, environmental remediation projects, water treatment system design, wetland creation, stream stabilization, and storm water management system design projects. Typical projects include:
 - Performed a detailed technical review of the Unistar Calvert Cliffs Unit 3 grading plan, and stormwater management plan as prepared by Bechtel. Provided detailed comments regarding civil engineering design, storm water management system design, HEC-RAS analysis, and construction related issues with the proposed design.
 - Managed the development of several new electric substations in Maryland. Responsibilities included presentations at public hearings, providing testimony before zoning commissions, and the acquisition of all necessary permits/approvals. Technical responsibilities included the review and approval of all storm water management system design, floodplain analysis, and site development plans.
 - Sr. project manager for numerous commercial/industrial building development projects. Designs included civil site design, structural design, storm water management system design, and site utility design. Projects typically included the acquisition of permits and construction management.

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- Developed a GIS based methodology for screening states and regions for appropriate sites for locating new power plants, transmission lines, gas pipelines, and water/wastewater pipelines. The methodology used internet based data available from public and proprietary sources. Performed screening using corporate criteria/objectives to screen nine states. The criteria used for selection included environmental factors (e.g. sensitive areas, class I areas, etc.), environmental justice factors (i.e. socioeconomic data), location of required infrastructure, and other economic factors. Successfully identified several parcels of land in the states screened.
- Project Manager for several large scale groundwater treatment system designs. Responsibilities included project management, technical design, and design review of water treatments systems, groundwater modeling, pump and pipe analysis, and development of technical specifications.

Employment History:

- Constellation Energy, Baltimore, Maryland, September 2003 – present.
 - **Principal Environmental Engineer**, Constellation Generation Group, Environmental Services. Manage teams of external consultants and internal staff to support large environmental related projects. Subject matter expert for storm water management, soil erosion & sediment control, grading plans, floodplain analysis. Routinely works with plant management/staff, legal, and engineering staff.
 - **Sr. Civil Engineer**, Baltimore Gas & Electric Company, Baltimore, Maryland, September 2003- July 2005. Managed teams of in-house and consulting technical staff for development of new substations and modifications to existing substations. Routinely worked with internal legal, environmental, real estate, and government affairs staff for the acquisition of new property, and zoning/permit approvals. Performed civil engineering design of new substation structures, storm water management systems, and proposed structural modifications to existing structures.
- **Civil/Structural Dept. Manager**, EBL Engineers, LLC, Baltimore, Maryland, September 2002-September 2003. Served as the manager responsible for profit and loss of a ten-person civil/structural engineering design department. Also responsible for project management of civil engineering design and commercial/industrial development projects, providing a QC review for all projects, new business development, growth of the department, work load projections, staff scheduling, and mentoring of junior staff.
- **Manager, Environmental Affairs**, PG&E NEG, Bethesda, Maryland, January 2001-September 2002. Served as a corporate manager responsible obtaining all permits and approvals for new power plants, substations, and transmission line projects. Responsibilities also included the performance of due diligence review of power plant acquisitions, and completion of various environmental projects as assigned by corporate management. Managed internal corporate teams, and consulting staff to achieve corporate objectives.
- **Senior Civil Engineer**, URS Corp., Linthicum, Maryland, June 1994- January 2001. Senior project manager responsible for the management of engineering design teams, commercial/industrial development projects, and various construction projects. Typical projects

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include the design and construction of office buildings, power plant siting studies, environmental remediation systems, waste disposal units, the acquisition of environmental permits. Responsible for managing project budgets that ranged from \$10k to \$5 million.

- **Project Engineer**, Arcadis Geraghty & Miller, Inc., Annapolis, Md., 1989-1994
Project manager and civil engineering designer for various environmental, landfill, site development, and storm water management projects. Prepared OPA 90 FRP for two CP&L oil fueled power plants.
- **Civil Engineer**, Charles P. Johnson & Associates, Silver Spring, Maryland, 1988 - 1989
- **Construction Inspector**, UMCP Housing Program, College Park, Maryland, 1987 – 1988

Professional Affiliations: Member, American Society of Civil Engineers, 1990-present
Member, Engineers Without Borders – Chesapeake Chp, 2010-present.
Member, Solid Waste Association of North America, 1990-94
Mid-Atlantic Chapter Board of Directors, 1994
Member, National Society of Professional Engineers
State Chairman of Legislative Affairs, 1995
Potomac Chapter *Young Engineer of the Year*, 1994
Annapolis Chapter President, 1994-1996