

### EXPERIENCE SUMMARY

Ben Nelson is an environmental scientist with over eight years experience working in consulting. He has used his education and professional experience in the physical and biological sciences to perform a wide range of tasks on civil and environmental engineering projects. His role on these projects has ranged from directing construction activities, performing quality assurance, analysis, design, and project management. Ben has extensive experience on erosion control for utility projects.

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### EXPERTISE

Erosion and Sediment Control  
Subsurface Investigations  
Water Quality Monitoring and Sampling  
Stormwater Management Analysis & Design  
Construction Plans and Specifications

### EDUCATION

B.S. Reclamation, 1999  
University of Wisconsin-Platteville  
Platteville, Wis.

### PROFESSIONAL HISTORY

Montgomery Associates: Resource Solutions, LLC  
Environmental Scientist, 2005 – Present

URS Corporation  
Environmental Scientist, 1999 - 2005

### PROFESSIONAL ORGANIZATIONS

North American Stormwater and Erosion Control Association  
of Wisconsin (Board Member 2008-Present)

International Erosion Control Association

### SELECTED PROJECT EXPERIENCE

#### **Environmental Permitting, Multiple Locations, Wis. (MARS Project Manager/Staff Scientist)**

- Provided environmental review for numerous underground and overhead utility installation projects for Alliant Energy/Wisconsin Power & Light.
- Utilized GIS to analyze site conditions, evaluated construction practices, and provided coordination across multiple regulatory jurisdictions.
- Prepared erosion control plans and submittal materials to meet state and local regulatory requirements.
- Prepared application materials for waterway crossing (Ch. 30) permit coverage.
- Provided construction-time support for implementation of erosion control practices.

#### **Indian Isle Subdivision Feeder Circuit Rebuild, Prairie du Chien, Wis. (MARS Project Scientist)**

- Completed alternatives analysis for an electrical distribution system replacement located on an island in the Mississippi River.
- Coordinated and prepared permit submittal materials involving federal, state, and local regulatory stakeholders.

#### **Transmission Line Erosion Control Permitting and Construction Support, Multiple Locations, (MARS Project Scientist)**

- Prepared erosion control planning and permitting documents on numerous transmission line projects for American Transmission Company.
- Provided construction-time and support for implementation of erosion control practices.

**BENJAMIN R. NELSON**  
ENVIRONMENTAL SCIENTIST

**Mauston Storage Yard, Mauston, Wis. (MARS Project Manager/Staff Scientist)**

- Developed site grading plan and construction specifications for an Alliant Energy storage facility.
- Prepared stormwater management and erosion control plan meeting state criteria.

**Stormwater Management and Erosion Control Plans, Multiple Locations, (MARS Staff Scientist)**

- Prepared multiple stormwater management and erosion control plans for project throughout Wisconsin meeting both state and local criteria.
- Performed hydrologic and hydraulic analyses using XP-SWMM.
- Prepared preliminary site grading plans.

**University of Wisconsin-Madison Arboretum (MARS Staff Scientist)**

- Completed a field investigation at the UW-Madison Arboretum to evaluate the feasibility of locating infiltration or stormwater management features to treat runoff entering the Arboretum.
- Characterized subsurface conditions from split spoon soil samples, performing in-situ soil permeability testing, and conducting laboratory testing of soil samples.
- Using the collected data, prepared a report detailing the subsurface conditions and the suitability of infiltration as an option for stormwater management

**Odana Hills Recharge System, Madison, Wis. (MARS Staff Scientist)**

- Provided engineering support for the design of a groundwater recharge system located at Odana Hills Golf Course for Madison Gas & Electric.
- Completed field investigations, performed earthwork design, and prepared technical specifications.

**South Pond Outfall Structure, Middleton, Wis., (MARS Staff Scientist)**

- Performed construction oversight during installation of a box weir and two stage spillway armored with articulated concrete block.

**Jamestown Basin and Goose Lake Monitoring, Fitchburg, WI, (MARS Staff Scientist)**

- Installed and maintained water level and rainfall monitoring equipment for a period of approximately one year.

**Ashland/NSP Superfund Site, Ashland, Wis. (URS Staff Scientist)**

- Prepared planning documents for investigation and remediation activities at a former manufactured gas plant site.
- Coordinated field investigation activities.
- Designed a low-permeability cap for an interim remedial action.

**Subtitle C Landfill, Fort Sheridan, Ill. (URS Staff Scientist)**

- Provided construction management services for an earthwork contractor during construction of a landfill cap at a former military facility.
- Responsibilities included documenting construction activities, construction layout and as-built surveys, preparing shop drawings, material takeoffs, coordinating delivery of supplies with vendors, and health and safety oversight.

**Foundry Waste Landfill, Waupaca, Wis. (URS Staff Scientist)**

- Performed engineering oversight during construction of a landfill cap and liner for a foundry waste landfill.
- Responsibilities included overseeing and documenting construction activities, surveying, collecting QA/QC material samples, performing field density and moisture tests, completing as-built figures, and preparing documentation materials for submittal to WDNR.