

BRIAN K. NORTH, PE

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CAREER OBJECTIVE

A professional position with a leading aggregate producer that recognizes the value of extensive environmental management experience as a requirement for initiating and improving a company's overall environmental compliance standards and performance. To implement a corporate policy focused on environmental stewardship while supporting continuing education of environmental professionals to achieve success.

PROFESSIONAL ACCOMPLISHMENTS/ORGANIZATIONS

- Licensed Professional Engineer in Georgia, North Carolina, and Virginia
- Certified Method 9 Visible Emissions Evaluator
- Certified Professional in Erosion and Sediment Control
- Completed NC Stream ID and Determination Course

SKILLS

- Experienced in State and Federal environmental regulations related to the aggregates mining industry
- Ability to manage others and develop employees
- Experienced in wetlands and stream channel impacts and permitting, minimizing the need for engineering consultants
- Technical ability to communicate
- Ability to train employees on environmental regulations and requirements
- Ability to produce detailed environmental documents used in aggregate permitting related to Air Quality, Mining/Reclamation, NPDES, SPCC/SWPPP, and streams/wetland impacts
- Knowledgeable in NSPS regulations and their application within the aggregates industry

EDUCATION

M.S. Degree in Engineering Management, December 2002, University of North Carolina at Charlotte, Charlotte, NC

B.S. Degree in Civil Engineering Technology, May 1993, University of North Carolina at Charlotte, Charlotte, NC

A.A.S. Degree in Civil Engineering Technology, May 1983, Asheville-Buncombe Technical College, Asheville, NC

EMPLOYMENT HISTORY

Director, Environmental Services, Martin Marietta Materials, Inc.

Greensboro, NC, April 2011 – Present

- Manage the environmental program for the Mid-Atlantic Division, including three (3) Sr. Environmental Engineers in NC and SC
- Prepare zoning maps and participate in public hearings on zoning and special use submittals for acquired properties
- Work with three (3) Regional VP's to ensure that all environmental needs are met in a timely and efficient manner
- Manage the use of environmental consultants, primarily conducting wetlands and stream evaluations and determinations for 401/404 permitting, Phase I environmental evaluations, groundwater evaluations, macroinvertebrate studies, endangered species studies, etc.
- Train new environmental engineers and plant managers in the requirements of air quality, mining, NPDES, SPCC/SWPPP, 401/404 permit conditions
- Prepare 401/404 Certification application for both Nationwide and Individual Permits related to stream and wetland impacts at various mining facilities
- Conduct Stream ID determinations in compliance with the NC Stream ID Manual
- Conduct land acquisitions of real property adjacent to existing quarries or green-sites in NC and SC
- Manage the computer database of new and existing leases, property purchase agreements, environmental permits, and zoning/special use permits

Manager, Engineering Services, Martin Marietta Materials, Inc.

Charlotte, NC, December 2003 – April 2011

- Managed the capital budget of between \$25M to \$54M for projects that include plant construction and upgrade, site development, land purchases, and facility acquisitions
- Maintained computer database of engineering projects and related environmental inspections
- Managed the daily operations of the Charlotte engineering staff and electrical department, (6 individuals)
- Reviewed construction costs for compliance with budget and expenditure constraints
- Conducted the duties of the Sr. Environmental Engineer described below
- Assisted in green-site permitting and land acquisitions of existing aggregate facilities
- Participated in public hearings and due process procedures during permitting process
- Assisted company safety professionals to comply with MSHA requirements related to impoundments and dam safety
- Conducted internal training of SPCC/SWPPP requirements
- Evaluated employee performance and prepare annual written evaluations
- Prepared presentations related to changes in environmental regulations for in-house training

Environmental Engineer / Sr. Environmental Engineer, Martin Marietta Materials, Inc.

Charlotte, NC, October 1994 – December 2003

- Prepared environmental permit applications (Air, Mining, NPDES, and Wetlands) for 27 aggregate facilities in NC and SC
- Coordinated the use of engineering consultants for aerial photography contracts, endangered species studies, hydrogeology studies, Phase I environmental audits, stream channel monitoring, and wetland studies
- Conducted air quality modeling evaluations using EPA approved software, saving \$7 to \$10k in engineering consulting costs in each model submittal
- Permitted multiple creek relocations and stream crossings with both State (401 Certifications) and Federal (404 permits) while saving over \$1.2 million in mitigation costs and \$100k in engineering consulting fees.
- Assisted two local air quality agencies to develop a general air permit for 5 aggregate facilities, including competitor locations
- Obtained a reduction in the annual NC aerial contract through competitive bidding, saving over \$25k each year since 2000
- Accompanied state inspectors during compliance inspections of permitted aggregate facilities
- Prepared and maintained SPCC/SWPPP plans for each operating facility
- Conducted visible emissions evaluations of all NSPS regulated equipment items.
- Conducted internal environmental audits to evaluate corporate environmental compliance status
- Participated in state and federal industry environmental committees and stakeholder groups to develop industry specific permits and procedures

- Conducted internal environmental training of plant personnel and corporate environmental staff
- Prepared and revised AutoCAD drawings for use in environmental permitting

Assistant Regional Engineer, North Carolina Department of Environment, Health and Natural Resources, Mooresville, NC, August 1989 - October 1994

- Supervised three (3) Environmental Technicians in a region of six (6) NC counties
- Reviewed plans for compliance with state laws and regulations related to erosion control, dam safety and mining
- Provided technical assistance to consultants and developers in preparation of adequate site plan submittals
- Created an engineering directory of local contractors and suppliers to assist owners and developers in the preparation of construction design plans
- Maintained computer database of projects and required inspections within the specified region

Environmental Technician, North Carolina Department of Environment, Health and Natural Resources, Asheville, NC/Mooresville, NC, September 1986 - August 1989

- Inspected projects in five (5) NC western counties to determine compliance with State laws and regulations related to sediment and erosion control, dam safety, and mining
- Conducted preliminary review of sediment and erosion control projects and mining operations including hydrologic and hydraulic design of erosion control measures, stormwater drainage pipes, stormwater channels, reclamation requirements, and temporary and permanent stabilization requirements
- Conducted preliminary review of design plans related to dam safety, including HEC-1 review of reservoir capacity and principle and emergency spillway design
- Conducted employee and consultant training on hydrologic and hydraulic design expectations for permit approval

Civil Engineering Technician, City of Asheville Engineering Department, Asheville, NC, April 1984 - September 1986

- Inspected construction grading projects for compliance with City's Sediment and Erosion Control Ordinance
- Conducted preliminary review of sediment and erosion control projects including hydrologic and hydraulic design of erosion control measures, stormwater drainage pipes, stormwater channels
- Prepared working drawings for City roofing projects
- Inspected City projects including asphalt paving and roofing projects for compliance with City specifications, requirements, and ordinances

Estimator, United Roofing and Sheet Metal Co., Inc., Asheville, NC, November 1983 - April 1984

- Prepared estimates for competitive bidding for replacement or new roof construction