

Jeffrey A. Nelson

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Director, Environmental Services

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Representative projects include:

Vermont Public Power Supply Authority (VPPSA)-Project 10, Swanton, Vermont

With Mr. Nelson as Principal in Charge, VHB Pioneer conducted wetland and stream delineations, as well as detailed wildlife assessments for the Project 10 site in Swanton, Vermont, a proposed gas turbine power generating station. State and federal wetland permits have been submitted to respective agencies, and permit approval from the United States Army Corps of Engineers and State of Vermont Agency of Natural Resources has been received. Mr. Nelson also prepared expert witness pre-filed testimony for the Project and is currently participating in Section 248 proceedings for a Certificate of Public Good, as filed with the Vermont Public Service Board.

First Wind (formerly UPC Wind Management) Wind Farm Project:,Sheffield Vermont:

With Mr. Nelson as Principal-in-Charge, VHB Pioneer is providing assistance for construction and operational phase stormwater permitting to First Wind (formerly UPC Wind Management, LLC), for the proposed wind farm project in Sheffield, Vermont, consisting of 16 turbines with a project capacity of 40 MW. As the applicant has modified the project through the course of Section 248 review, VHB Pioneer has evaluated changes in potential project impacts to meet Vermont Department of Environmental Conservation permitting requirements. VHB Pioneer completed a detailed field reconnaissance and initial watershed resources assessment, utilizing existing information and available GIS mapping to prepare an extensive resource base map. Based on the results of these studies, Mr. Nelson prepared pre-filed testimony which has been filed with the Public Service Board as evidence in the Section 248 review of the project. In August 2007, a Certificate of Public Good (CPG) was issued approving the project.

East Avenue Loop (EAL) Project 115 kV Line, Essex to Burlington, Vermont

With Mr. Nelson as Principal in Charge, VHB Pioneer provided rights-of-way and off rights-of-way wetland and stream delineations for a 4.8 mile 115 kV utility project in Chittenden County, Vermont. Following VHB Pioneer's completion of the natural resources assessments, Mr. Nelson worked collaboratively with the Project team to submit a petition to the Vermont Public Service Board for a Certificate of Public Good for the Project.

VTrans - Chittenden County Circumferential Highway and U.S. Route 7 Shelburne Road, Chittenden County, Vermont

Mr. Nelson has worked as a consultant to VTrans to provide technical analyses and expert testimony regarding pollutant loading with respect to appeals of Stormwater Discharge Permits issued for the CCCH Segment A/B and U.S. Route 7/Shelburne Road projects.

2002 Vermont Stormwater Manual

Mr. Nelson participated actively on behalf of the regulated community in the Collaborative Process convened by the Vermont Agency of Natural Resources that resulted in the development of the 2002 Vermont Stormwater Manual, which represents a state-of-the-art approach to stormwater treatment and control.

Municipal Wastewater System, Mad River Planning District, Vermont

Provided site evaluation and permitting services to Phelps Engineering for design of a new community wastewater system for the Mad River Planning District. Worked with the planning district and the Towns of Waitsfield and Warren, Vermont in the development of a community wastewater disposal system to accommodate wastewater

Mr. Nelson is director of environmental services and manager of VHB's office in Vergennes, VT. Mr. Nelson provides overall management and strategic planning for projects that the firm conducts. Mr. Nelson has designed and implemented a large number of projects in Vermont and the northeastern United States involving water resources assessment, planning, impact analysis, permitting, and monitoring.

flows from village areas within each of the towns. Work has included site evaluation for both in-ground and spray irrigation wastewater disposal, the completion of large-scale hydraulic conductivity testing, site mapping for wetlands and other potential constraints, groundwater flow direction monitoring and evaluation, and stream chemistry evaluation and biomonitoring.

Water Quality Remediation Plan, Stratton Mountain Resort, Stratton Mountain, Vermont

Responsible for the preparation of a water quality remediation plan in 1998 and subsequent annual performance reports through 2008. Included in the plan are ongoing monitoring for water chemistry, temperature, sediment aquatic biota, habitat, and stream geomorphology.

Education

M.S. Civil Engineering, University of Vermont, Burlington, Vermont, May 1992

B.S. magna cum laude, Geology, University of Vermont, Burlington, Vermont, October 1982

Seminars & Publications

Associated Industries of Vermont, Environmental Seminar, Speaker on Proposed Environmental Legislation, March 2008.

IECA, Review of Basic Geomorphic Principles (August 2007)
VT Transco, LLC. (VELCO) Environmental Training Certification (September 2006)

VT Transco, LLC. (VELCO) Safety Training Certification (September 2006)

Stormwater in Cold Climates Conference, Portland, ME (November 2003)
Recent Developments in Stormwater Regulation in Vermont, Montpelier, VT (May 2003)

International Erosion Control Association, 33rd Annual Conference, Orlando, FL (February 2002)

Participant in "The Stormwater and Sprawl Connection - Designing Water-Smart Towns in the Lake Champlain Basin", Shelburne, VT (May 2001)
TMDL Science Issues Conference, St. Louis, MO (2001)

Participant in "Northeast Training Workshop-Stream Restoration: Natural Channel Design", Fairlee, VT (May 2000)

EPA Public Forum on TMDL Regulations in New England, Woodstock, VT (1999)

Alternative Waste Water Treatment, Madison, WI (1994)

U.S.G.S./U.S.N.R.C. Workshop on Research Related to LLRW Disposal, Reston, VA (1993)

U.S.G.S. Low-Level Radioactive Waste Disposal Workshop, Columbus, OH (1992)

Computation of Water Surface Profiles for Flood Plains and Bridge Hydraulics (1991)

Interpretation of Soil Characteristics and Soil Color (1990)

Soil Absorption of On-Site Wastewater (1989)

Certifications

Certified Professional Erosion and Sediment Control (CPESC #2131)
Stormwater Quality Specialist (CPSWQ #013)
VT Transco, LLC (VELCO) Safety and Environmental Certification

**Professional
Affiliations**

American Society of Civil Engineers
Green Mountain Water Environment Association
International Erosion Control Association
National Groundwater Association
Vermont Rural Water Association-Associate Member
River Management Society – Northeast Chapter
Soil and Water Conservation Society
Water Environment Federation
Vermont Environmental Consortium
Northeast Chapter International Erosion Control Association
Renewable Energy Vermont