

Adam Robert Crary, PWS, PWD

Senior Wetland Scientist



Education

BS, Natural Resources and
Natural History and Ecology,
University of Maine, 2000

Registrations

Professional Wetland
Scientist

Professional Wetlands
Delineator (Virginia) VA,
2007

Affiliations/Memberships

Society of Wetland Scientists

Southern Appalachian
Botanical Society

Over the past 17 years, Adam has worked as a federal park ranger, a research assistant, a stream ecologist, a wetland ecologist, a botanist, and a project manager. He has performed ecological services in 12 states and one U.S. territory on both large- and small-scale public and private projects. Adam has worked on remote as well as urban sites, multi-state linear utility projects, as well as county-wide assessment initiatives. He is responsible for managing or providing oversight on projects focused on ecological resource inventory or involving federal or state environmental permitting, as well as managing wetland and ecological services and technical staff and providing expert natural resources testimony for energy projects primarily in Vermont and the northeast.

5 years with VHB and 17 years of professional experience

South Burlington Solar Farm, South Burlington, VT

Adam served as Task Manager and Lead Field Ecologist in conduct of first preliminary, then detailed natural resources assessments for the largest solar generation facility at the time in Vermont. Natural resources assessments included a delineation of wetlands and waters, detailed natural community mapping, vernal pool surveys, and development of a buffer vegetation management plan. Adam provided pre-filed testimony for the successful receipt of a Certificate of Public Good (CPG) from the VT Public Service Board, and oversaw the successful procuring of U.S. Army Corps of Engineers (USACE) Section 404 and VT Department of Environmental Conservation (DEC) Conditional Use Determination (CUD) permits. The project was approved and began construction less than nine months from inception.

AllEarth Renewables, VT B&GS Solar Projects, VT

Adam served as the Project manager and expert natural resources witness providing consulting, design, and permitting support as part of a Vermont Buildings and General Services contract to develop solar energy generation projects primarily on VBGS-owned lands across Vermont. The net-metered projects, with VBGS as the off-taker, range from 150 to 500kw in size. Due to the reduced project scale, Adam guided development of an innovative natural resource assessment method to streamline the site investigations and reporting while meeting VT Section 248 statutory requirements as well as Project schedules.

Kingdom Community Wind Project, Lowell, Westfield, and Jay, VT

Adam served as the Project Manager for the natural resources assessments conducted by VHB in support of the Section 248 filing for a CPG from the VT PSB as well as collateral environmental permits. Field assessments included wetland/waters delineations and VWR classifications, wetland function and value assessments, rare flora and natural community surveys, vernal pool surveys, and mitigation site assessments. Assisted in the development of project testimony and preparations for PSB hearings. Permitting tasks included close coordination with the Project engineer, developer, VT ANR, USACE, and preparation of Individual Permit applications and mitigation packages. This project involved a 21 turbine wind farm on 4-miles of the Lowell Mountain ridge, with a 16+ mile transmission line upgrade, which was approved and began construction in less than 2 years from substantial resource assessment work.

VELCO, K41 Transmission Line, Irasburg to Highgate, VT

Adam served as overall Project Manager for a comprehensive natural resources survey for the approximately 51-mile Vermont Transco, LLC (VELCO) transmission line, which runs through numerous towns in northern Vermont. In addition to managing field staff, he also led rare, threatened, and endangered (RTE) plant and habitat assessment field surveys. He provided oversight, and prepared and provided QA/QC on technical documents submitted on behalf of VELCO summarizing the results of these surveys, in support of a Section 248 filing.

Green Mountain Power 3307 Line Replacement, Winooski, VT

Adam served as the Project Manager of the natural resources assessments and provided Vermont Agency of Natural Resources (ANR) coordination and expert testimony on the Section 248 Natural Resources criteria for the line segment re-aligned following 2011 Winooski River flood damage. Several natural resources are present in the study area in association with the Winooski River, and Adam worked with the Project Engineer to minimize natural resource impacts and concerns from the VT ANR, which included developing a unique approach to address RTE plants via a post-CPG permit condition.

VELCO Structure Condition Improvement Project, VT (throughout)

Adam served as the Project Manager for this Project which involved detailed natural resources inventory of existing transmission lines to support VELCO's permitting and project planning. The work involved inventory of wetland/water resources and significant natural communities as well as a structure flood risk assessment for approximately 107 miles of transmission line in 2013 and 85 miles in 2014, completed within strict schedule constraints.

Deerfield Wind Project, Searsburg and Readsboro, VT

At the request of Iberdrola Renewables, Adam led the effort for preparation of General Section 404 Permit authorization request and Individual Section 401 Water Quality Certification application for the proposed 15-turbine wind farm located in the Towns of Searsburg and Readsboro. In addition to the preparation of the relevant application forms, these submittals required various supporting documents, including a comprehensive project narrative, significant federal and state agency coordination, as well as organizing information from various groups outside of VHB (including other consultants and the U.S. Forest Service).

Other examples of Vermont Natural Resources and Environmental Permitting Projects

Transportation Infrastructure (VAST Lamoille Valley Rail Trail; VTrans bridge, culvert, and highway projects, Bennington Rail to Trail, Hinesburg Path, Colchester Double-Divergent Interchange)

Utility Infrastructure (VELCO transmission and substation projects, VELCO Statewide Radio, GMP Gorge Generating Station, GMP 3325 Line, CVPS Reconductoring projects, National Grid projects, Waitsfield Waterline, various VEC Substation Projects, VT Gas Addison Expansion project, TDI/NECPL ~150 mile new transmission line, National Grid 3315 Line Replacement Project, GMP White River Junction Substation/Transmission Line project, Canaan Water Line project)

Renewable Energy (Beaver Wood Energy Pownal and North Springfield Projects, St. Albans Solar, IBM RTC Solar, EGPNA Sheldon Solar, AER VBGS statewide solar projects, Encore Redevelopment solar projects, VEC solar projects, SunEdison Champlain Valley Solar Farm)

Commercial/Res. Development (Moran Plan, Hannaford Hinesburg, Commonwealth Dairy, Quechee Lakes, South Burlington Market Street, Northfield Savings Bank Berlin, Halifax Quarry, South Burlington Trader Joes)

Ski Resort Development (Jay Peak, Killington, Mt. Snow, Killington, Timber Creek at Okemo)