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September 27, 2016

**Via E-Mail and Federal Express**

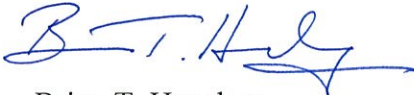
Attorney Melanie Bachman  
Acting Executing Director  
Connecticut Siting Council  
Ten Franklin Square  
New Britain, CT 06051

**Re: Docket No. 468 – The Connecticut Light and Power Company  
d/b/a Eversource Energy Application for a Certificate of Environmental  
Compatibility and Public Need for the Southwest Connecticut Reliability  
Project**

Dear Attorney Bachman:

In response to the request made by the Connecticut Siting Council (“Council”) at the hearing held on September 22, 2106 and in the Council’s subsequent notice dated September 23, 2016, I enclose the original and fifteen (15) copies of the resumes of Katie A. Bednaz, Christopher J. Fox, and Marleigh Sullivan. Ms. Bednaz, a former full-time employee of Eversource Energy’s environmental consultant BSC Group, was the field team leader for the wetland delineation, vernal pool, and breeding bird survey for the Southwest Connecticut Reliability Project. Mr. Fox and Ms. Sullivan, both of whom are employees of BSC Group, assisted Ms. Bednaz in each of these assignments.

Very truly yours,



Brian T. Henebry

BTH/da  
Enclosures

cc: Service List dated August 1, 2016 attached (w/enc.)

{W2729282}

**LIST OF PARTIES AND INTERVENORS**  
**SERVICE LIST**

Status Granted	Document Service	Status Holder (name, address & phone number)	Representative (name, address & phone number)
Applicant	<input checked="" type="checkbox"/> E-Mail	The Connecticut Light & Power Company d/b/a Eversource Energy	<p>David L. Coleman Project Manager Eversource Energy 56 Prospect Street Hartford, CT 06103 <a href="mailto:david.coleman@eversource.com">david.coleman@eversource.com</a></p> <p>Kathleen M. Shanley Manager-Transmission Siting-CT Eversource Energy 56 Prospect Street Hartford, CT 06103 <a href="mailto:kathleen.shanley@eversource.com">kathleen.shanley@eversource.com</a></p> <p>Jeffery Cochran, Esq. Senior Counsel, Legal Department Eversource Energy 107 Selden Street Berlin, CT 06037 <a href="mailto:jeffery.cochran@eversource.com">jeffery.cochran@eversource.com</a></p> <p>Brian T. Henebry, Esq. Carmody Torrance Sandak &amp; Hennessey LLP P.O. Box 1110 Waterbury, CT 06721-1110 <a href="mailto:bhenebry@carmodylaw.com">bhenebry@carmodylaw.com</a></p> <p>Farah Omokaro Transmission Siting Senior Engineer Eversource Energy 56 Prospect Street Hartford, CT 06103 <a href="mailto:Farah.omokaro@eversource.com">Farah.omokaro@eversource.com</a></p>



# Katie A. Bednaz

## Wetland/Soil Scientist

### Professional History

Freshwater Wetland Services,  
Wetland/Soil Scientist & Proprietor

R Levesque Associates, Inc.,  
Project Manager & Wetland/Soil  
Scientist

AECOM Environment, Wetland/Soil  
Scientist

BSC Group, Environmental  
Scientist

Town of Enfield, Assistant  
Planner/Wetlands Agent

### Education

Masters Coursework, UMass  
Amherst

BS, Environmental Science, minor,  
Wildlife and Fisheries Conservation,  
UMASS Amherst

**Years of Experience - >13**

### Technical Specialties

Wetlands, Waterways, and  
Endangered Species Permitting

Wetland Delineation and Biological  
Assessment

Environmental Monitoring and  
Construction Oversight

### Training and Certifications

Professional Wetland Scientist  
#1906, Society of Wetland  
Scientists

Registered Soil Scientist, SSSSNE

Certificate of Completion for the CT  
DEP Municipal Inland Wetlands  
Commissioners Training Program

OSHA 40-Hour Hazardous Waste  
Operation and Emergency  
Response Training (including  
confined space entry) with annual  
refresher update completed in  
March 2012

Ms. Bednaz is a Professional Wetland/Soil Scientist and President of Freshwater Wetland Services, her primary project work includes project management and coordination; delineating and assessing wetland systems; assisting clients with permit issuance at the federal, state, and local levels; and working with numerous technical programs required for data collection and presentation. Ms. Bednaz's background in ecology, wildlife and fisheries, soil science, and wetlands has been applied to numerous environmental and water pollution projects.

Ms. Bednaz is experienced with local and state regulatory permit procedures in Massachusetts and Connecticut and with federal agencies such as U.S. Army Corps of Engineers (ACOE), the U.S. Fish & Wildlife Service (USFWS) and the U.S. Environmental Protection Agency (U.S. EPA) National Pollutant Discharge Elimination (NPDES) permitting program, as well as Federal Aviation Administration (FAA) orders. She is well versed in the content of the Highway Methodology Workbook, and many local regulations and bylaws.

### Experience

**Hanscom Field Airport, Massport, Bedford, MA** – Responsible for delineating and locating with a GPS unit, wetland resource areas within an area of approximately 1,300 acres. Assisted in the preparation of the airports Vegetation Management Plan, the plan was designed to be consistent Federal Aviation Administration (FAA) orders.

**National Grid – Lines C181 and D182, Wrentham to Somerset, CT** - Professional Wetland Scientist and Registered Soil Scientist, responsible for the delineation and data collection of wetland resource areas within the right-of-way associated with a transmission line refurbishment and pole replacement project.

**Eversource 1280 Transmission Line, Ledyard & Stonington, CT** – Professional Wetland Scientist & Registered Soil Scientist responsible for the delineation and data collection of wetland resource areas within approximately 6 miles of transmission line within the right-of-way associated with proposed project permitting.

**Connecticut Siting Council Environmental Inspector** – Provided construction activity oversight by conducting weekly inspections and preparing corresponding reports for the Connecticut Siting Council on a portion of both the Middletown to Norwalk and Bethel to Norwalk (totaling over 20 miles) and the entirety of the Manchester to Meekville Junction (2.7 miles) utility upgrade project performed by Northeast Utilities. The weekly



OSHA 10-hour Construction Safety Course 2006

**Professional Affiliations**

Society of Wetland Scientists, Member

Connecticut Association of Wetland Scientists Vernal Pool Monitoring Program Volunteer

Soil Scientists of Southern New England Member

inspections and reports detailed environmental compliance status as it related to permit conditions and environmental regulations.

**Northeast Utilities Independent Inspector Services, Middletown to Norwalk, Independent Inspector** for the Connecticut Siting Council for the construction of a 345kV electric transmission line between Middletown and Norwalk, Connecticut. The project includes the inspection of underground 115kV and 345kV line installation as well as reconstruction work within an overhead right-of-way, construction of several transition stations and expansion of two substations. The major responsibilities include providing a weekly inspection report to the Siting Council and the communities involved and acting as a liaison between them, Northeast Utilities, and the contractors. The inspection ensures that the contractors are following the approved Development and Management Plans for all of the phases of work and include observations on erosion control, removal of vegetation, stormwater management, stabilization, dewatering, and presence of rare species.

**Wetland Delineation- Residential Development, Belchertown, MA.** Professional Wetland Scientist and Registered Soil Scientist responsible for the delineation of an approximately 90-acre site. Prepared and presented wetland resource area permitting applications for proposed subdivision activities.

**Wetland Delineation and Vernal Pool Assessment – Commercial Development, Templeton, MA.** Professional Wetland Scientist, responsible for delineating 40-acre site and evaluating vernal pool and wildlife habitat conditions.

**Wetland Delineation and Project Permitting – Glastonbury Gateway IV, Glastonbury, CT.** Professional Wetland Scientist responsible for the delineation of wetland resource areas located on approximately 22 acres of land. Aided the project team during the design process and prepared wetland resource area report describing existing conditions as they relate to the proposed development. Subsequent monitoring and reporting of invasive species removal mitigation activities.

**Wetland Delineation and Project Permitting – Medical Office Building, Southington, CT.** Professional Wetland Scientist responsible for the delineation of wetland resource areas located on approximately 3.25 acres of land. Aided the project team during the design process and prepared wetland resource area report describing existing conditions as they relate to the proposed development.

**Connecticut Association of Wetland Scientist (CAWS) – Annual Vernal Pool Monitoring.** Volunteered for the past five years to monitor vernal pools within a specific study site. Collect data and report findings to CAWS annually. The goal of the program is to understand how pool-breeding amphibians respond to varying degrees of development in the surrounding landscape, in order to design future projects that will limit these impacts.

**Pittsfield Municipal Airport, Pittsfield, MA** – Responsible for conducting wetland functions and values assessment according to “The Highway Methodology Workbook” prepared by the U.S. ACOE, assisted in local state and federal permitting and delineation of wetlands for a large runway expansion project proposing significant wetland impacts.

**City of Bloomfield New High School & Vo-Ag Center Construction, City of Middletown, CT** – Responsible for conducting wetland mitigation area construction monitoring as required by the Army Corp of Engineers (ACOE). The project involved disturbance to 0.85 acres of inland wetland resource areas and a total mitigation of 2.25 acres of wetlands; of that 2.25 acres, it included 1.3 acres of wetland creation and 0.95 acres of wetland enhancement. Conducted daily inspections of eight wetland creation areas during construction and subsequent semi-annual monitoring inspections of these areas according to the ACOE Monitoring and Assessment Guidelines from the New England ACOE Mitigation Guidance document. Wetland creation areas were located in soils with red parent materials which made construction and monitoring unique. Prepared associated reports for submission to the ACOE as required.

**Northeast Utilities/Burns & McDonnell, Western Massachusetts and Northwestern Connecticut.** Worked as a full-time Environmental Inspector for the Greater Springfield Reliability Project (GSRP) in Massachusetts and Connecticut. The proposed 345-kV and 115-kV project routes include nearly 39 miles of electric transmission line construction within existing rights-of-way passing through Agawam, West Springfield, Springfield, Chicopee, and Ludlow, Massachusetts as well as Suffield, East Granby and Bloomfield, Connecticut. Provided construction oversight during site preparation (including the installation of erosion controls, construction of access roads and work areas within wetlands, and tree clearing), construction, and restoration activities to ensure compliance with environmental permits obtained for the work. Conducted regularly-scheduled environmental training sessions, including rare species awareness, to contractors to promote project-wide environmental compliance.

**Stormwater Compliance Construction Inspector – Golf Course/Residential Subdivision, Northbridge, MA.** Conducted weekly construction inspection to ensure compliance with SWPPP and Wetlands Protection Act provisions. Preparation of weekly monitoring reports and closely coordinated with contractors and subcontractors for various portions of the project.

**Preparation of SWPPP for Residential Subdivision, Canton, MA.** Environmental Component, reviewing engineering site plans and preparing Notice of Intent and supporting documentation to sustain the Storm Water Pollution Prevention Plan.

**Douglas Conservation Commission, Douglas, MA.** Professional Wetland Scientist responsible for reviewing wetland delineation and performing habitat evaluation on behalf of the Conservation Commission on several parcels proposed for development. On one parcel, several vernal pools were certified using obligate and facultative indicators and actual habitat of the spotted turtle was identified in an area that was not previously mapped by the Natural Heritage Program. Certification and rare species observation forms as well as photo documentation were supplied to the Natural Heritage and Endangered Species Program (NHESP). In a second parcel, actual Eastern box turtle habitat was identified in an area not previously mapped and rare species observation forms were supplied to NHESP.

**401 Water Quality Certification Environmental Compliance Monitor--MassHighway Department, Agawam and Springfield, MA -** Environmental Compliance Monitor responsible for daily site inspection, monitoring, and reporting as required by the Department of Environmental Protection 401 Water Quality Certification. Project included the reconstruction of a major bridge over the Connecticut River. Construction activities requiring monitoring included extensive pile driving within the river, work within the riverfront area and floodplain and associated mitigation activities. Served as the chief contact between the Department and the applicant.

**Granby Inland Wetlands and Watercourse Agent, Granby, CT –** Serving as the Wetlands Agent for the Town of Granby. Provide expert knowledge in reviewing applications which vary from residential improvements, lake dredging, and stormwater improvement projects. Provided assistance to residents of the Town and Town staff, and enforcement of the Inland Wetlands and Watercourses Regulations.

**Enfield Inland Wetlands and Watercourse Agency, Enfield, CT –** Wetlands Agent/Assistant Planner responsible for reviewing permit applications and providing expert advice to the Agency. Reviews conducted vary from small residential improvements to large residential and commercial developments. Provided daily assistance to residents of the Town and Town staff, and enforcement of the Inland Wetlands and Watercourses Regulations.

**East Windsor Inland Wetlands and Watercourses Commission and Zoning Board of Appeals, East Windsor, CT –** Wetlands Enforcement Officer, Assistant Planner and Zoning Enforcement Officer for the Town of East Windsor. Provided zoning and inland wetland assistance and advice to residents, Town staff, Zoning Board of Appeals and the Inland Wetlands and Watercourses Commission. Responsible for enforcement of the Zoning Regulations as well as the Inland Wetland Regulations.

**Norwich State Hospital Redevelopment Proposal, Preston & Norwich, CT –** Responsible for analyzing site conditions as it related to environmental constraints and permitting requirements for the Norwich State Hospital site. The Hospital was established in 1904, and has been abandoned since it closed in 1996. The site includes 390 acres bordering on the Thames River and 55 blighted structures. The complex site included some of the following development constraints: inland wetlands, shore land, tidal wetlands, estuarine embayment, coastal flood hazard area, railroad access, endangered species, soil and groundwater contamination, Coastal Area and archeological and cultural resources. The site constraints were used to aid in the conceptual development of the site, including estimating a timeline for development as it related to environmental permitting.

**Depot Street Condominium Community, Town of Southwick, Southwick, MA –** Serve as the Southwick Conservation Commissions third-party construction monitor for the construction of 59 Units located on approximately 25 acres of sloped land. Conduct weekly inspections documenting site conditions and provide recommendations pertaining to site stability and wetland protection to the Town, applicant and site contractor. Inspection information is conveyed in weekly reports submitted to the Town and distribution to the applicant and site contractor.







## Marleigh Sullivan

Ecological Scientist

### EDUCATION

**M.S., Soil & Water  
Resources  
Management**

University of New  
Hampshire

**B.S. Environmental  
Conservation**

University of New  
Hampshire

### BACKGROUND

Ms. Sullivan is an ecological scientist with expertise in soil science, hydrology, water biogeochemistry, plant biology, and ecology. She is experienced with wetland delineation methodology conforming to the USACE Wetland Delineation Manual. Specifically, she is experienced with hydric soil indicators and soil profile descriptions; plant taxonomy and field identifications in both upland and wetland environments; and her background in hydrology and water chemistry is particularly valuable for identifying indicators of hydrology. She is also familiar with stormwater, surface water, and groundwater hydrology beneficial in managing construction sediment/erosion controls.

### PROJECT EXPERIENCE

#### **1421/1512 Line Uprate, Eversource Energy, Lee, Becket, Otis, Blandford, & Russell, MA**

**Compliance Inspector**, performing environmental compliance monitoring for Eversource's Line Uprate Project of the 1421/1512 transmission lines extending from Lee to Granville, MA. Ms. Sullivan was responsible for all construction-phase field monitoring for the project to ensure compliance with applicable local, state, and federal environmental regulations and permits and company best management practices (BMPs). This includes overseeing construction on a weekly basis; reviewing sediment/erosion controls and other BMPs; reviewing construction restoration and mitigation efforts; providing contamination spill response; identifying environmental concerns and proposing responsive actions through coordination with the construction crews and comprehensive reporting.

#### **1361/1242 Line Pole Replacement and Reconductoring Project, Eversource Energy, Greenfield and Deerfield, MA**

**Compliance Inspector**, performing environmental compliance monitoring for the pole replacement and reconductoring of Eversource's 1361 and 1242 double-circuit lines in Greenfield and Deerfield, MA. Ms. Sullivan is currently responsible for ensuring environmental compliance with applicable local, state, and federal regulations and permits and company best management practices (BMPs) for all construction activities including investigatory soil borings, road and construction pad building, swamp mat placement, reconductoring of the lines, and the implementation of BMPs. Ms. Sullivan oversees construction on a weekly basis to assess erosion/sediment controls and other BMPs; identify environmental concerns and to provide insight on appropriate prevention or mitigation measures; coordinating with construction crews to facilitate environmental compliance; and provide comprehensive reporting.

**Storm Hardening Initiative, Eversource Energy, various Connecticut towns**

**Wetland Delineation Specialist.** Performed wetland delineation for the Storm Hardening Initiative projects in Connecticut and Massachusetts. Ms. Sullivan was responsible for field wetland delineations and field location of wetland flags; evaluating permit requirements; preparing and filing required permit applications including Category 1 Notifications in accordance with the Connecticut General Permit and individual 401 Water Quality Certification application in Massachusetts.

**Interstate Reliability Project (IRP), National Grid, Millbury, Sutton, Northbridge, Uxbridge, Millville, MA**

**Compliance Inspector,** Performing compliance inspections for the 15.4 mile long Massachusetts portion of the Interstate Reliability Project that extends from Millbury, MA to North Smithfield, RI. This project includes a new 345-kV line and major improvements to an existing line including the expansion of the ROW, removal of existing 69 kV structures, and installation of new 345kV structures. Ms. Sullivan is part of a team of wetland professionals who provide full-time monitoring for the project. She performs inspections and reporting necessary to ensure compliance with applicable regulations and permits, and to ensure strict adherence to approved drawings and specifications, which include monitoring, tree clearing operations, removal of lead-contaminated structures, road construction, drilling operations, dewatering and structure installation, sediment and erosion controls, mitigation practices, rare species monitoring, and to provide guidance to construction personnel.

**Cabot Taps Separation Project, National Grid, Greenfield & Montague, MA**

**Compliance Inspector and Permitting Specialist** for the Cabot Taps Separation Project for National Grid, which involved investigatory soil borings used to design structure foundations, followed by the relocation of existing double-circuit lines onto of new pairs of single circuit structures. Ms. Sullivan played a key role in field assessments, permitting, and monitoring for both phases of the project. The project included a variety of environmental permitting hurdles including rare species, vernal pools, and wetland resource areas. Ms. Sullivan was responsible for ensuring compliance with applicable regulations and permits through coordination with work crews and comprehensive environmental reporting. In particular, she lead full-time and weekly compliance monitoring for both phases of the project, lead coordination and communication with construction personnel, and communication with permitting agencies.

**SWCT Reliability Project, Eversource Energy, Bethel, Danbury, Brookfield, CT**

**Permitting Specialist** for the SWCT Reliability Project for Eversource. This project involves the construction of a new 3.4-mile 115-kV transmission line from Bethel to Brookfield, CT. Ms. Sullivan conducted wetland field assessments and played a key role in the production of the application to the Connecticut Siting Council. She is also responsible for preparing applications for all environmental permit applications, which is being developed concurrently with the Siting Application.

**PROFESSIONAL DATA**

Degrees:

**M.S. Soil & Water Resources Management**

University of New Hampshire – 2012-2014

**B.S., Environmental Conservation**

University of New Hampshire – 2008-2012

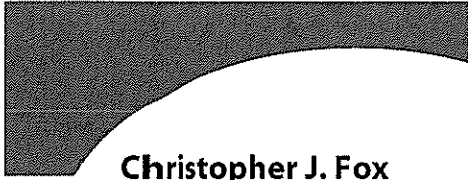
Year Entered Profession: 2012

Year Joined BSC: 2014

Professional Registrations:







**Christopher J. Fox**

Forester/Ecological Scientist

**EDUCATION**

**B.S., Environmental and Forest Biology and Natural Resource Management**

SUNY- CESF Syracuse, New York

**A.A.S., Forest Technology**

NYS Ranger School  
Wanakena, New York

**LICENSES**

**Connecticut Certified Forest Practitioner # 458**

**Massachusetts Licensed Forester # 411**

**New Hampshire Licensed Forester # 400**

**CERTIFICATES**

**10hr Construction Safety and Health**

**BACKGROUND**

Mr. Fox is a licensed forester in Massachusetts, Connecticut and New Hampshire with over thirteen years of professional experience managing natural resources throughout New England. His focus has been on timberland management including forest inventory, forest management planning, timber harvest administration, boundary maintenance, timber trespass, current use analysis, and GIS mapping. Through a prior employer, he has conducted property ownership inventories, current use assessments and management of timberland for Eversource (formerly Northeast Utilities) throughout Connecticut.

Since 2012, Mr. Fox has completed wetland and resource area delineations and secured permits for overhead electric transmission and substation projects in accordance with the Massachusetts Wetlands Protection Act and local wetlands protection bylaws. He has provided environmental inspection services for substation and transmission projects to assure compliance with local, state and federal permits.

**PROJECT EXPERIENCE**

**Sunfield Solar, LLC, Solar Generation Facility, Treadwell Drive, Spencer, MA Environmental Monitor**, performed rainfall inspections for construction of solar generation facility. BSC supported construction monitoring and reporting as a 3<sup>rd</sup> party inspector for the Spencer Conservation Commission. The project involved the construction of a 12 megawatt (MW) solar facility containing multiple rows of solar arrays.

**National Grid, New England East-West Solutions (NEEWS) Interstate Reliability Project (IRP), Millbury, MA-West Farmum (N. Smithfield), RI Environmental Monitor**, responsible for daily inspection of tree clearing, road and work pad construction, sediment controls, drilling operations to assure compliance with local, state and federal permits. Coordinated with forestry supervisor on clearing requirements and access to wetlands. Marked and tallied hazard trees requiring removal outside of ROW limits. Completed SWPPP inspections and updated site copies of SWPPP documents. Assisted with preparation of guidance documents to clarify requirements for restoration and final site stabilization.

**National Grid, Harrison Boulevard Substation Construction Project, Avon, MA Ecological Scientist/Environmental Monitor**. Assisted with preparation and presentation of Notice of Intent for substation construction. Currently, providing weekly environmental inspections to assure compliance with permit requirements.

**PGA Solution Projects, 1421 and 1512 Line Uprate, Lee, Beckett, Otis, Blandford, Russell and Granville, MA Wetland Scientist**, performed wetland field delineations and GPS location of wetland resource areas along approximately 26 miles of transmission line ROW from

Pleasant Substation in Lee to Granville junction in Granville, MA. The work was in support of proposed sag limitation resolutions requiring structure replacement, structure reconfiguration and/or site grading to meet required clearances. On- and off-ROW access to structure sites were also identified and field-located.

**National Grid – C181/D182 Reconductoring and Pole Replacement, Various Locations, Southeastern, MA**

**Wetland Scientist/Environmental Scientist/GIS Analyst**, responsible for conducting wetland delineations and collecting field GPS data across spanning nine (9) Massachusetts Towns. Performed numerous wetland delineations along the utility corridor and off right-of-way access roads. Collected botanical, hydrological, geological, and GPS data. Post-processed the data using TerraSync's Trimble Pathfinder software.

**National Grid, STORMS Projects, Multiple Towns, MA**

**Wetland Scientist**, performed on call environmental permitting assessments for multiple small electric distribution and transmission maintenance projects throughout central and southeastern Massachusetts. Prepared Request for Determination of Applicability and Notice of Intent permit applications in accordance with the Massachusetts Wetlands Protection Act and local town wetland bylaws and represented projects at public hearings before town Conservation Commission to obtain permits to perform work within jurisdictional wetlands and buffer zones. Requested and obtained Certificates of Compliance upon completion of projects as required.

**National Grid, New Stub Pole Installation, Templeton Rd, Athol, MA**

**Wetland Scientist**, responsible for preparing and submitting a Request for Determination (RDA) to the Athol Conservation Commission for the installation of a new stub pole which was part of distribution line upgrades along Templeton Road in Athol, MA. Presented the RDA at the Athol Conservation Commission Public Hearing and a Negative Determination was received.

**National Grid, A153/I161 Reconductoring and Pole Replacement Project, Multiple Cities, MA**

**Wetland Scientist**. Responsible for conducting wetland delineations in preparation for the replacement of several wood poles along the A153 and I161 transmission lines with steel poles and caisson concrete foundations.

**National Grid, Barre Solar Interconnection Project, Barre, MA**

**Wetland Scientist**, responsible for conducting a desktop analysis, permitting assessment, and wetland delineation for the installation of several new utility poles serving to connect to a new solar array in Barre, MA.

*Key projects Mr. Fox contributed to while at prior firms include:*

**National Grid, Cape Ann Reliability Project, Manchester-by-the-Sea, Beverly and Gloucester, MA**

**Wetland Scientist/Environmental Compliance Inspector**. Responsible for delineating wetlands and other jurisdictional resource areas for four substation conduit installation projects as part of the Cape Ann Reliability project. Prepared and presented RDA applications for two of these projects in conjunction with National Grid staff. Performed weekly compliance inspections to assure compliance with

special conditions outlined in Negative Determinations of Applicability and internal National Grid BMP's. Coordinated with independent and National Grid contractors to correct any deficiencies.

**Eversource (Formerly Northeast Utilities) Timberland Management Program, Parcels located throughout CT.**

Conducted boundary marking, timber inventory, timber sale preparation, marketing, contract preparation and harvest administration. Conducted oversight during timber harvests to assure compliance with Inland Wetland and Watercourse Commission requirements and accepted timber harvesting Best Management Practices (BMP's). Participated in a statewide inventory of NU properties which included an analysis of potential for timber management and tax reduction through PA 490 forestland classification.

**National Grid, Various Projects, North Shore, MA**

**Environmental Scientist.** Performed on-call environmental permitting assessments for small electric distribution and transmission maintenance projects throughout the north shore of Massachusetts. Prepared Request for Determination of Applicability and Notice of Intent permit applications in accordance with the Massachusetts Wetlands Protection Act and local town wetland bylaws and represented projects at public hearings before town Conservation Commissions to obtain permits to perform work within jurisdictional wetlands and buffer zones. Filed maintenance notification letters with local Conservation Commissions for maintenance projects that are exempt under the Wetlands Protection Act.

**National Grid, Shield Wire Removal Project, Tewksbury Substation  
Tewksbury, MA**

**Environmental Scientist.** Prepared final report documenting site restoration in compliance with the Swamp Mat IP following the use of swamp mats for shieldwire removal.

**National Grid, New Gas Service, Danversport Yacht Club, Danversport, MA**

**Environmental Scientist,** Prepared and presented Request for Determination of Applicability for a new gas service installation. Researched past Chapter 91 licenses to determine the necessity for additional licensing.