STORMWATER MANAGEMENT PLAN WITH STORMWATER POLLUTION PREVENTION PLAN (SWPPP) VOLUME 1

WIND COLEBROOK SOUTH

COLEBROOK, CONNECTICUT

Prepared for:

BNE Energy Inc.
Producer of green clean energy

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by:

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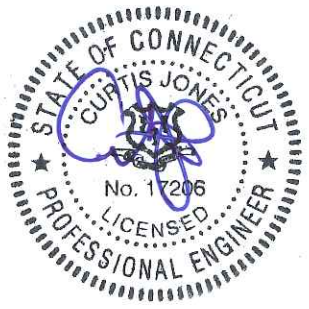

AUGUST 2011

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APPENDICES

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Permitted:
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To be determined

Contractor Operator(s):
To be determined

Stormwater Manager and SWPPP Contact(s):
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Section 1.0

PROJECT INTRODUCTION

1.0 PROJECT INTRODUCTION

Project/Site Information:

Project/Site Name: Wind Colebrook South

Location: 29 Flagg Hill Road
Colebrook, Connecticut

Latitude/Longitude:	Latitude:	Longitude:
	41° 57' 50" N	73° 08' 46" W

Method for determining latitude/longitude: Google Earth

1.1 SITE SUMMARY

1.1.1 Existing Conditions

Located at 29 Flagg Hill Road and consists of approximately 79.74 acres and is undeveloped with the exception of the meteorological tower, which is approximately 197 feet in height. The Property is located along the Norfolk town line and approximately 600 feet from the Winsted/Winchester town line. Though the surrounding land uses are mixed, consisting of both commercial and residential development, the property is located in the R-2 residential zone. The Colebrook zoning regulations do not address wind turbine installations. The Property is abutted by the undeveloped land owned by the Nature Conservancy to the west, land owned by the Gun Club to the north and residential properties to the east and south. The site is currently accessed via Flagg Hill Road. This access point will be maintained throughout the construction process. Currently, there are no structural stormwater discharge points. All stormwater flows over land to discharge points off site.

1.1.2 Project Description

The developer plans to install three GE 1.6 MW wind turbines at the Property: one in the northwest corner of the Property, one in the northeast corner of the Property and one in the southern area of the Property where the meteorological tower is currently located. In addition to the three turbines, the project will include construction of temporary equipment lay-down areas for each turbine, crane assembly area, access road, permanent support building and associated ground equipment including an electrical collector yard and associated utility infrastructure so that the turbines can be interconnected to the electrical grid. Following completion of the project, all temporary structures will be removed and the site returned to pre-construction conditions.

1.2 PROJECT OWNER AND OPERATOR

The project owner and operator, BNE Energy, will be the responsible entity for completing the project. The address and telephone is:

BNE Energy
29 South Main Street
Town Center Suite 200
West Hartford, CT 06107
(800) 450-0503

1.3 PERMIT COVERAGE AND ELIGIBILITY

The U.S. Environmental Protection Agency (EPA) requires a National Pollutant Discharge Elimination System (NPDES) General Permit for stormwater discharges from construction sites that disturb more than one acre of land or from smaller sites that are part of a larger, common plan of development. For the purposes of the NPDES program, construction activities are defined as clearing, excavating, grading, or other land disturbing activities.

The General Permit for the Discharge of Stormwater and dewatering Wastewaters associated with Construction Activities (CGP) authorizes stormwater discharges from construction activities which result in the disturbance of one or more acres of land area on a site regardless of project phasing. In the case of a larger plan of development, the estimate of total acres of site disturbance shall include, but is not limited to, road and utility construction, individual lot construction, and all other construction associated with the overall plan, regardless of the individual parties responsible for the construction of these various elements. These conditions are subject to the conditions outlined in DEP-PED-GP-015. The effective dates of this CGP are April 9, 2010 thru October 1, 2011, and cover all areas of Connecticut. This CGP includes provisions for the development of this Stormwater Pollution Prevention Plan (SWPPP) to maximize the potential benefits of pollution prevention and sediment and erosion control measures at a construction site.

CGP eligibility is limited to discharges from "large" and "small" construction activity as defined in Section 3 of 2010 Connecticut General Permit for the Discharge of Stormwater and Dewatering Wastewaters. A copy of DEP-PED-GP-015 is included in Appendix J of this document. The permittee has requested coverage under this CGP by submission of a complete and accurate General Permit Registration Form and Transmittal. Copies of these are included in Appendix A. A map detailing the limits of disturbance, for the disturbed area indicated on the registration form, and covered under this CGP, is included in Appendix D. The permittee is granted coverage under this CGP when they have received a Letter of Coverage (LOC) from DEP. A copy of the LOC is to be included in Appendix A.

1.4 CERTIFICATION REQUIREMENTS

All permittees and operators are required to sign a SWPPP certification as a condition of the CGP. The signed certifications confirm that the contractor has been informed that a SWPPP has been prepared for the project and they will be required to perform necessary actions that have been identified to comply with both the SWPPP and the CGP. No permittee or operator shall commence work on this project site until they have familiarized themselves with this plan and signed the appropriate SWPPP certification. It may be necessary for the contractor to implement additional erosion control and pollution prevention measures not previously identified to maintain compliance with the CGP. The following signed SWPPP certifications are included in

Appendix B:

- Preparer
- Permittee and Co-Permittee
- Operator
- Inspector

1.5 COASTAL CONSISTENCY REVIEW

After review of the applicable policies and standards in Connecticut's Coastal Management Act (CCMA), codified in Sections 22a-90 through 22a-112 of the Connecticut General Statutes (CGS), as amended, it has been determined that this project does not require a coastal consistency review.

1.6 ENDANGERED OR THREATENED SPECIES

The existence and/or mitigation for endangered or threatened species is discussed within the comprehensive assessment of all potential environmental impacts associated with Wind Colebrook South.

1.7 SOILS, SLOPES, VEGETATION, AND CURRENT DRAINAGE PATTERNS

1.7.1 Soil Type(s)

Based upon a review of typical geologic conditions and the National Soil Cooperative Survey, the soils have been classified as (1) Bice- Millsite complex soils slopes 3 to 45 percent slopes – very rocky; (2) Westminster- Millsite- Rock Outcrop complex 3 to 15 percent slopes; (3) Bice fine sandy loams ranging from 3 to 15 percent slopes – very stony; (4) Schroon fine sandy loams ranging from 2 to 15 percent slopes - very stony; (5) Shelburne fine sandy loam, 8 to 35 percent slopes – extremely stony; (6) Ashfield fine sandy loam, 8 to 15 percent slopes – very stony, (7) Wonsqueak mucky peat; and (8) Brayton-loonmeadow complex – extremely stony.

1.7.2 Slopes

The project site consists of varying slope conditions ranging from relatively flat conditions in the area of the meteorological tower to steep slopes along the eastern and western property boundary.

1.7.3 Drainage Patterns

Existing site topography is such that runoff migrates, typically via overland sheet flow, through the site to either the existing pond or to an existing ditch line along Flagg Hill Road. An unnamed perennial watercourse outlets from the pond in the vicinity of the southern property boundary, flowing south.

1.7.4 Vegetation

The property is generally characterized by second growth and upland hardwood forest. Forested uplands in the eastern portion of the Property are dominated by deciduous pole timber (trees 4.0 to 11.9 inches diameter at breast height [DBH]) and small sawtimber size trees (12 to 15 inches DBH). In the northwest and southwest corners of the property, vegetation is characterized as red oak-northern hardwood forest.

1.8 SITE FEATURES AND SENSITIVE AREAS TO BE PROTECTED

1.8.1 Receiving Waters and TMDL Applicability

There are currently zero impaired waterways on the most current 303(d) listing of impaired waterways within the vicinity of the project site.

1.8.2 Wetlands

Within to the property boundary several wetland areas have been identified and delineated. Mitigation and impacts are discussed in the environmental assessment completed by VHB, Inc.

1.9 FINAL STABILIZATION AND TERMINATION OF COVERAGE

At the completion of a construction project registered pursuant to Section 4 of the general permit, a Notice of Termination must be filed with the commissioner. A project shall be considered complete after the site has been stabilized for at least three months following the cessation of construction activities. A site is not considered stabilized until there is no active erosion or sedimentation present and no disturbed areas remain exposed.

The termination notice shall be filed on forms prescribed and provided by the commissioner and shall include the following: (1) The permit number as provided to the permittee on the permit certificate; (2) The name of the registrant as reported on the general permit registration form DEP-PED-REG-015; (3) The address of the completed construction site; (4) The date all storm drainage structures were cleaned of construction debris pursuant to Section 6(b)(6)(C)(iv) of the general permit, the date of completion of construction, and the date of the final inspections pursuant to Section 6(b)(6)(D) of this general permit; (5) A description of the post-construction activities at the site; and (6) Signature of the permittee. The termination form should be filed with the commissioner at the following address:

Water Permitting & Enforcement Division
Bureau of Materials Management & Compliance Assurance
Department of Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

1.10 RETENTION OF RECORDS

The SWPPP document will be maintained by the contractor in the appropriate construction office or location from the date the construction is initiated until the project is concluded. Records will be maintained during grading operations, construction activities either temporarily or permanently ceased, stabilization measures are initiated and final stabilization is achieved. The project owner will maintain the SWPPP for a period of three years following termination of coverage. Records to be maintained include but are not limited to:

- SWPPP and any amendments
- Copy of permit and/or certification of coverage
- General Permit Registration Form
- All reports and actions required

- Site inspection records
- Contractor certifications
- Notice of Termination

Section 2.0

CONSTRUCTION ACTIVITIES

2.0 CONSTRUCTION ACTIVITIES

2.1 DESCRIPTION OF CONSTRUCTION ACTIVITY

Prior to construction BNE will complete all pre-construction planning activities. BNE will continue to consult with municipalities, state agencies and federal agencies, as applicable, and will conduct site surveys to determine construction methodologies and procedures to minimize adverse effects to the environment and public.

Construction will typically consist of activities such as:

- Surveys to stake access roads and structural locations
- Wetland delineation
- Geotechnical investigations
- Establishment of construction staging area
- Installation of sediment and erosion control devices
- Excavation and installation of access roads
- Excavation and installation of lay-down and equipment assembly areas
- Excavation and installation of foundations and erection of new structures
- Installation of conductors
- Restoration of site, including re-establishment of vegetative areas

2.2 CONSTRUCTION SITE ESTIMATES

The following are estimates of the construction site:

Area to be disturbed: 10.75
Total Project area: 80.0 acres
Percentage impervious area before construction: 0 %
Runoff coefficient before construction: 65
Percentage impervious area after construction: 3.36 %
Runoff coefficient after construction: 65
Summary of peak flows: See 2.3.3
Summary of groundwater recharge: 0.022 AC-FT

2.3 PROPOSED STORMWATER MANAGEMENT PRACTICES

2.3.1 Stormwater Treatment Practices

Permanent structural controls will not be required for the treatment of stormwater runoff. Following construction of the tower units, the site will be returned to pre-construction conditions. The constructed access road will remain in place; however the width will be reduced by approximately one-half. The diversion swale constructed as part of the Erosion and Sediment Control Plan will remain in place and will be converted to a water quality swale. Once site conditions and vegetation have been reestablished, stormwater discharges will return to the pre-construction state for quality and quantity.

2.3.2 Flood Control and Peak Runoff Attenuation Management Practices

Construction within the project area is such that flooding caused by an increase in impervious area or the reconfiguration of stormwater conveyance through the drainage area is not a primary concern. The total increase in impervious area is approximately one percent. Permanent stormwater conveyance structures such a storm drains, catch basin, and the like are not planned for this development. Upon completion of the construction of the three towers, the site will be returned to pre-construction conditions.

2.3.3 Pre- and Post Development Stormwater Flows

	Area (Acres)	Runoff Curve Number (CN)
Existing Drainage Area 1 -	10.61	60
Proposed Drainage Area 1 -	9.48	61
Existing Drainage Area 2 -	19.69	62
Proposed Drainage Area 2 -	17.78	64
Existing Drainage Area 3 -	5.67	57
Proposed Drainage Area 3 -	6.17	61
Existing Drainage Area 4 -	7.97	55
Proposed Drainage Area 4 -	9.92	58
Existing Drainage Area 5 -	6.71	55
Proposed Drainage Area 5 -	6.71	59

Storm Interval (DP-1)

	2yr.	10yr.	25yr.	50yr.	100yr
Existing Flow (cfs)	1.8	6.8	10.1	13.4	17.3
Proposed Flow (cfs)	1.9	6.8	10.1	13.2	17.0

Storm Interval (DP-2)

	2yr.	10yr.	25yr.	50yr.	100yr
Existing Flow (cfs)	5.0	16.5	24.1	31.2	39.7
Proposed Flow (cfs)	5.7	16.9	24.1	30.7	38.7

Storm Interval (DL-3)

	2yr.	10yr.	25yr.	50yr.	100yr
Existing Flow (cfs)	0.7	3.5	5.5	7.5	9.9
Proposed Flow (cfs)	1.0	3.4	5.0	6.7	9.2

Storm Interval (DL-4)

	2yr.	10yr.	25yr.	50yr.	100yr
Existing Flow (cfs)	0.7	3.9	6.4	8.9	12.0
Proposed Flow (cfs)	0.7	3.8	6.4	8.9	12.0

Storm Interval (DL-5)

	2yr.	10yr.	25yr.	50yr.	100yr
Existing Flow (cfs)	0.5	2.5	4.1	5.7	7.2
Proposed Flow (cfs)	0.5	2.4	4.0	5.4	7.6

Section 3.0

BEST MANAGEMENT PRACTICES

3.0 BEST MANAGEMENT PRACTICES

Soil erosion and sediment controls are measures that are used to reduce the amount of soil particles that are carried from a land area and deposited in receiving waters. This section provides a general description of the most appropriate control measures proposed for the Project. The permittee's construction contractor(s) and their subcontractors will be responsible for amending the erosion and sediment controls in the SWPPP for their portion(s) of the project. Based on field conditions at the time of construction, the contractors or subcontractors may adjust the locations and types of BMPs so that erosion and sedimentation are controlled to the maximum extent practicable. However, in no case will modifications to the SWPPP result in any less stringent erosion and sedimentation control measures than specified herein.

Any revision to the SWPPP will be recorded on the Record of Revisions form. The application of the techniques in the field will be determined by the professional judgment of the permittee's field construction personnel and will depend on site-specific conditions. All applicable soil erosion and sediment control measures will be implemented in accordance with this SWPPP and the Permit prior to commencement of field construction activities. Measures will be maintained during and after the construction activity, until final stabilization of the soil is accomplished. Upon final stabilization of disturbed areas, all temporary soil erosion and sediment control measures will be removed.

3.1 STRUCTURAL CONTROL PRACTICES

Structural control practices divert flows from exposed soils, store water flow, or otherwise limit runoff from exposed areas of the site. Such practices may include silt fences, drainage swales, sediment traps, check dams, subsurface drains, pipe slope drains, rock outlet protection (rip-rap), reinforced soil retaining systems, and temporary or permanent sediment basins. Some of these practices may be used as both temporary and permanent control measures. Structural control practices should be placed in upland areas to the degree practicable to prevent erosion and reduce sedimentation in lower elevation areas.

3.2 TEMPORARY EROSION CONTROL PRACTICES

Erosion and sediment control measures will be in place prior to the initiation of soil disturbing activities and will be maintained throughout construction. The contractor may need erosion control measures in other locations of the project as work progresses to keep sediment from leaving the construction site. These measures will be determined by the contractor in the field; if measures are changed in the field, the SWPPP must be modified accordingly. All temporary erosion controls will be removed after the protected area is finally stabilized. The minimum temporary erosion and sediment control practices that will be used for the Project are discussed in the following sections.

3.2.1 Sediment Fence (GSF)

Will retain sediment from small disturbed areas. Sediment fence will be placed along slopes as shown on construction details. The contractor will use his best judgment to install additional sediment fence as necessary to prevent loss of sediment. Refer to section 5-11 of 2002 Connecticut Guidelines for Soil Erosion and Sediment Control.

Maintenance: Inspect the silt fence at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. When used for dewatering operations, inspect frequently before, during and after pumping operations. Remove the sediment deposits, or if room allows, install a second silt fence up slope from the existing fence when deposits reach approximately one half the height of the existing fence. Replace or repair within 24 hours of an observed failure. Refer to Connecticut Guidelines for Soil Erosion and Sediment Control figure GF-5 for troubleshooting failures. Maintain silt fence until the contributing area is stabilized.

3.2.2 Hay Bale Barrier (HB)

Will retain sediment from small disturbed areas. Hay bales will be placed along slopes as shown on construction details. The contractor will use his best judgment to install additional hay bales as necessary to prevent loss of sediment. Refer to section 5-11 of 2002 Connecticut Guidelines for Soil and Sediment Control.

Maintenance: Inspect the hay bale barrier at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. When used for dewatering operations, inspect frequently before, during and after pumping operations. Remove the sediment deposits, or if room allows, install a secondary barrier up slope from the existing barrier when deposits reach approximately one half the height of the barrier. Replace or repair within 24 hours of an observed failure. Refer to Connecticut Guidelines for Soil Erosion and Sediment Control figure HB-5 for troubleshooting failures. Maintain hay bale barrier until the contributing area is stabilized.

3.2.3 Stone Check Dam (SCD)

Will be used to reduce velocity of concentrated flows, thus reducing of the drainage way.

Maintenance: Inspect the stone check dam at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. Remove the sediment deposits when deposits reach approximately one half the height of the check dam. Replace or repair within 24 hours of an observed failure. Maintain until the contributing area is stabilized.

3.2.4 Temporary Pipe Slope Drain (TSD)

Will be used to carry water over excessive changes in grade. TSD's will convey concentrated stromwater runoff flows without causing erosion problems either on or at the toe of the slope.

Maintenance: Inspect the temporary pipe slope drain at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. Repair damage as necessary. Avoid the placement of any material on the top of the pipe and prevent vehicular traffic from crossing the slope drain.

3.2.5 Temporary Diversion (TD)

Will be used to divert sediment laden runoff from a disturbed area to a sediment trapping facility.

Maintenance: When the temporary diversion is located within close proximity to on going construction activities, inspect the diversion at the end of each work day and immediately repair damage caused by construction equipment. Otherwise, inspect the temporary diversion and associated measures at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. Repair within 24 hours of an observed failure.

3.2.6 Temporary Fill Berm (TFB)

Will be used to divert runoff from unprotected fill slopes during construction to a stabilized outlet or sediment trapping facility.

Maintenance: Inspect the temporary fill berm and associated controls at the end of each work day to ensure the criteria for installing the measures have been met. Determine if repair or modification is needed. This measure is temporary and under most situations will be covered the next work day. Maintenance requirements should be minimal. The contractor should avoid placing other material over the berm and construction traffic should not be allowed to cross.

3.2.7 Temporary Sediment Trap (TST)

Will be used to detain sediment laden runoff from small disturbed areas long enough to allow the majority of sediment to settle out.

Maintenance: Inspect the temporary sediment trap and associated controls at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. Check the outlet to verify that it is structurally sound and has not been damaged by erosion or construction equipment. The height of the stone outlet should be maintained at least 1 foot below the crest of the embankment. When sediment has accumulated more than one quarter of the minimum wet storage volume, dewater and remove sediment as necessary to restore the trap to its original dimensions.

3.2.8 Construction Entrance (CE)

Will be used to reduce tracking of sediment off site to paved areas.

Maintenance: Maintain the entrance in a condition which will prevent tracking and washing of sediment onto paved surfaces. Provide periodic top dressing with additional stone or additional length as required. Immediately remove all sediment spilled, dropped, washed or tracked onto paved surfaces.

3.2.9 Tree Protection (TP)

Will be used to ensure the survival of existing desirable trees for their effectiveness in soil erosion and sediment control during construction.

Maintenance: Inspect tree protection zones weekly during site construction for damage to the tree crown, trunk and root system. When trees have been damaged or the protection zone has been compromised, consult an arborist licensed in CT to determine how damage should be addressed.

3.2.10 Temporary Erosion Control Blankets (ECB)

Will be used to provide temporary surface protection to disturbed soils to absorb raindrop impact and to reduce sheet and rill erosion.

Maintenance: Inspect temporary erosion control blankets at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. Repair any dislodged or failed blankets immediately.

3.3 SOIL STABILIZATION PRACTICES

Soil stabilization involves covering disturbed soils with grass, mulch, straw, geotextiles, trees, vines, or shrubs. Stabilization practices for exposed disturbed soils are extremely important while conducting construction activities. Vegetative cover serves to reduce the erosion potential by absorbing the energy of raindrops, promoting infiltration in lieu of runoff, and reducing the velocity of runoff. Stabilization measures shall be initiated as soon as practicable, but no more than 14 days after construction activities have temporarily or permanently ceased on any portion of the site.

3.4 MAINTENANCE AND INSPECTIONS

All erosion and sediment control devices shall be installed pursuant to the specifications in the construction details. They will be maintained so that they remain effective at all times.

Erosion and sediment control devices will be inspected by qualified personnel at least once every seven calendar days or at least once every 14 calendar days and within 24 hours of each 0.5-inch or greater rainfall event. During each inspection, the construction inspector will complete the Inspection and Maintenance Report Form located in the appendix. This form will be copied and used as necessary. Ineffective temporary erosion control measures will be repaired or replaced before the next storm event or as soon as practicable. The permittee will immediately install additional temporary erosion control devices in any area deemed in need of protection.

Following temporary or final stabilization, inspections must be conducted at least once a month. If construction has been halted due to frozen conditions, regular inspections are not mandatory until one month before the expected thaw. If vegetation establishment is not satisfactory, special steps to correct the problem will be implemented such as over seeding, mulching, sodding, or the use of erosion control blankets. Once a definable area of the construction site has been finally stabilized, no further inspection requirements apply to that area.

3.5 FINAL STABILIZATION

3.5.1 Seeding

The contractor will be responsible for labor, materials, tools, equipment, and other related items required for preparing ground, providing for sowing of seeds, fertilizing, mulching and top dressing, and other management practices required for erosion control and to achieve final stabilization. It will be the contractor's responsibility to make sure that the soil seedbed is not blown, washed, or otherwise removed from the site. The contractor will make repairs (including replacement of lost topsoil and mulch) to the seedbed preparation site in the event of heavy rain,

wind, or other natural events that cause damage. When practicable, native plant species should be used for landscaping.

3.5.2 Fertilizer

Soil in areas of disturbance may need supplementation from fertilizer. Soil tests may be necessary to determine the most appropriate fertilizer for each location. Once applied, the fertilizer will be worked into the soil to limit exposure to stromwater. Fertilizer spills will be cleaned up immediately and will not be applied along or in a waterway.

3.5.3 Mulching

Mulching will be used in conjunction with both temporary and permanent seeding practices to enhance success by providing erosion protection prior to the onset of vegetative growth. Mulches enhance plant establishment by moderating soil temperatures and conserving moisture. After seeding, straw or hay mulch will be applied at a rate of two to three tons per acre on the disturbed areas. Other forms of mulch will be applied at a rate designated by the Project Engineer. Mulch will not be applied in wetlands, on lawns, and areas where hydro-mulch is used. Mulch will be anchored immediately after placement on steep slopes and stream banks. Mulch will be held in place by a very thin covering of topsoil, small brush, pins, stakes, wire mesh, asphalt binder, or other adhesive material approved by the project engineer.

3.5.4 Topsoiling

Topsoil should be applied in areas where the subsoil or existing surface soil does not provide an adequate growth medium for the desired vegetation, where soil is too shallow to provide adequate rooting depth, or where the soil contains substances toxic to the desired vegetation. Topsoil shall be reasonably free from subsoil and stumps, roots, brush, stones, and clay lumps or similar objects.

3.5.5 Temporary Control Removal

Temporary erosion controls will be left in place until the Project site is stabilized with a uniform vegetative cover of 70 percent density of the native background vegetative cover on all unpaved areas. Following re-vegetation, the permittee will conduct periodic site visits to make sure that vegetation establishment is satisfactory. If sufficient vegetative cover has not been achieved, additional restoration measures will be implemented. Inspection results will be documented using the Inspection and Maintenance Report Form found in the appendix. All temporary soil erosion and sediment control measures will be removed and disposed of after final site stabilization is achieved and before submitting the NOT.

Section 4.0

GOOD HOUSEKEEPING BMP'S

4.0 GOOD HOUSKEEPING BMP'S

4.1 POTENTIAL SOURCES OF POLLUTION

Potential exists for construction sediment to be contained in any runoff that occurs on the project site. This sediment is a result of clearing and grading activities.

4.2 CONTROLS TO REDUCE POLLUTION FROM THE CONSTRUCTION SITE

Minimize Disturbed Area, Protect Natural Features, and Soil:
This project will not be mass graded. Only areas required for construction activities will be graded. This practice will reduce sediment transport into receiving bodies.

4.2.1 Material Handling and Waste Management

The contractor will establish control measures to prevent discharge and dispose of construction and sanitary waste on site.

4.2.2 Establish Proper Building Material Staging Areas

The contractor will establish a permanent staging area within the project site for materials and equipment storage.

4.2.3 Allowable Non-Stormwater Discharge Management

Non-stormwater discharges are allowable provided the non-stormwater component of the discharge is in compliance applicable state regulation. Prior to any non storm discharge, the appropriate BMP will be installed and inspected.

4.2.4 Maintenance of Controls

All erosion and sediment control practices will be checked for stability and operation following every runoff-producing rainfall, but in no case less than once every week. Any needed repairs will be made immediately to maintain all practices as designed.

All sediment control features shall be maintained until final stabilization has been obtained.

Contractor will maintain appropriate recording keepings as required by DEP-PED-GP-015. Maintenance records shall describe repair, replacement, and maintenance of BMPs undertaken based on the inspections and maintenance procedures described above and the individual requirements of the BMPs. Actions related to the findings of inspections should reference the specific inspection report. Records should describe actions taken, dates completed, and note the party that completed the work.

During construction the contractor will be responsible for maintaining integrity of all permanent and temporary structures. Prior to submittal of NOT, the contractor and owner will inspect permanent structures to remain in place and correct all noted deficiencies. Upon acceptance from contractor, the owner will maintain responsibility for inspection of the structure semi-annually.

Section 5.0

HAZARDOUS SUBSTANCE OR OIL SPILL REPORTING

5.0 HAZARDOUS SUBSTANCE OR OIL SPILL REPORTING

The Spill Prevention Control and Countermeasure Plan (SPCC), which describes measures to prevent, control, and minimize impacts from a spill of a hazardous, toxic, or petroleum substance during construction of the proposed project. This plan identifies the potentially hazardous materials to be used during this project, describes the transport, storage, and disposal procedures for these substances, and outlines the procedures to be followed in the event of a spill of a contaminating or toxic substance.

As per 40 CFR 112, a Spill Prevention Control and Countermeasures Plan (SPCC) must be prepared if the construction site will have 1,320 gallons of above ground storage capacity (or 42,000 gallons in underground storage not regulated by UST rules) or more in 55-gallon-sized (or larger) containers. This would include any temporary tanks or fueling trucks used to "store" petroleum on-site. The truck would be subject to the SPCC Plan rules when parked on the construction site and used for "storage." If, at any time, a subcontractor's cumulative above ground storage capacity on-site exceeds 1,320 gallons, the subcontractor shall maintain a certified SPCC Plan (40 CFR 112).

5.1 MATERIAL MANAGEMENT PRACTICES

Properly managing materials on the construction site will greatly reduce the potential for stormwater pollution of materials. Good housekeeping, along with proper use and storage of construction materials, form the basis for proper management of potentially hazardous materials.

5.2 NON-PETROLEUM PRODUCTS

Due to the chemical makeup of specific products, certain handling and storage procedures are required to promote the safety of handlers and prevent the possibility of pollution. Care shall be taken to follow all directions and warnings for products used on the site. All pertinent information can be found on the MSDS for each product. The MSDS will be kept on-site.

5.3 PETROLEUM PRODUCTS

On-site vehicles will be monitored for leaks and receive regular maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers that are clearly labeled. Preferably, the containers will be stored in a covered truck or trailer that provides secondary containment for the products. Bulk storage tanks having a capacity of greater than 55 gallons will be provided with secondary containment. Containment can be provided by a temporary earthen berm or other means. After each rainfall event, the contractor shall inspect the contents of the secondary containment area for excess water. If no sheen is visible, the collected water can be pumped to the ground in a manner that does not cause scouring. If any sheen is present, it must be treated prior to discharging the water. Otherwise, the contaminated water must be transported and disposed off-site in accordance with local, state, and federal requirements. Bulk fuel or lubricating oil dispensers shall not have a self-locking mechanism that allows for unsupervised fueling. Fueling operations shall be observed to immediately detect and contain spills. No waste oil or other petroleum-based products will be disposed of on-site (e.g., buried, poured, etc.), but shall be taken off-site for proper disposal.

5.4 SPILL CONTROL AND CLEAN UP

In addition to the material management practices discussed previously, the following spill control and cleanup practices will be adhered to prevent stormwater pollution in the event of a spill:

- Personnel on-site will be made aware of cleanup procedures and the location of spill cleanup.
- Equipment spills will be contained and cleaned up immediately after discovery.
- Manufacturer methods for spill cleanup of a material will be followed as described on the material's MSDS.
- Materials and equipment needed for cleanup procedures will be kept readily available on the site, either at an equipment storage area or on contractor's trucks; equipment to be kept on the site will include, but not be limited to, brooms, dust pans, shovels, granular absorbents, sand, saw dust, absorbent pads and booms, plastic and metal trash containers, gloves, and goggles.
- Toxic, hazardous or petroleum product spills required to be reported by regulation will be documented to the appropriate federal, state, and local agencies.
- Spills will be documented and a record of the spills will be kept with this SWPPP.

The federal reportable spill quantity for petroleum products is defined in 40 CFR 110 as any oil spill that:

- violates applicable water quality standards;
- causes a film or sheen upon or discoloration of the water surface or adjoining shoreline; or
- causes a sludge or emulsion to be deposited beneath the surface of the water or adjoining shorelines.

Section 6.0

SWPPP APPENDICES

6.0 SWPPP APPENDICES

Attach the following documentation to the SWPPP in the following appendices.

Appendix A – Permit Coverage

- Submitted General Permit Registration Form and Transmittal
- Issued CT Letter of Coverage
- Other applicable permits

Appendix B – Certifications

- Preparer
- Permittee or Co-Permittee
- Operator
- Inspector

Appendix C – Pre-Construction Meeting – Items to be added upon completion of meeting includes:

- Agenda
- Attendees
- Minutes

Appendix D – Maps and Drawings

- Site Maps
- Site Plan

Appendix E – Construction Records

- Construction Activities and Control Installation Log

Appendix F – Inspection and Maintenance Records

- Inspection & Maintenance Log
- Inspection Report
- Maintenance Report

Appendix G – Hazardous Material or Oil Spill Records

- Spill Report

Appendix H – Update Records

- Plan Update Description
- Plan Update Log

Appendix I – Copy of CT DEP Notice of Termination (Form DHEC 2610, 04/1998)

Appendix J – Connecticut General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities (DEP-PED-GP-015)

Appendix K – Supporting Calculations

APPENDIX A
PERMIT COVERAGE

General Permit Registration Form for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

Please complete this form in accordance wth the general permit (DEP-PED-GP-015) in order to ensure the proper handling of your registration. Print or type unless otherwise noted. You must submit the *Permit Application Transmittal Form* (DEP-APP-001) and the registration fee along wth this form.

DEPUSEONLY
Application No._____
Panni! No. ———————
Facility I. ☐ - ———————

Part 1: Registration Type

Enter a check mark in the appropriate box identifying the registration type.

This registration is for (check one):	Please identify any existing permt number in the space provided
O A *new* general permit registration D A *modification* of an existing general permit	Existing permit number: *GSN*

Part II: Fee Information

O *Registration only*	A registration fee of $625 00 is to be submitted with *each* registration that you are submtting at least 30 days before the initiation of construction activities.
O *Registration and Plan Review*	All conl;truction pi Oj!:ICII; It'ialll!:ll;Uilinlhl:l dil;lurbanc:l Of len or rno1e acres requre the submittal of a Stormwater Pollution Control Plan and a $625. 00 plan review fee. The plan and the fee must be submitted 30 days prior to initiation of the construction activity. $625 00 registration fee + $625 00 review fee = $1,250.00 to:al fee

For municipalities, a 50% discount applies. The registration will not be processed without the fee. The fee shall be non-refundable and shall be paid by certified check or money order payable to the Department of Environmental Protection.

Part III: Registrant Information

1. Fill in the name of tne registrant(s) as indicated on the *Permit Application Transmittal Form* (DEP-APP-001)

   Registrant:

   Phone: ext Fax

   O Check here if there are co-registrants If so, label and attach addt ional sheet(s) with the required information as supplied above.

Part III: Registrant Information (cont.)

2. List primary contact for departmental correspondence and inquiries, if different than the registrant.

   Name:

   Mailing Address:

   City/Town: State: Zip Code:

   Business Phone: ext. Fax:

   Site Phone: Emergency Phone:

   Contact Person: Title:

   Association (e.g. developer, general or site contractor, etc.):

3. List owner of the property on which the activity will take place, if different from registrant: Name:

   Mailing Address:

   City/Town: State: Zip Code:

   Business Phone: ext. Fax:

   Contact Person: Title:

4. List developer, if different from registrant or primary contact:

   Name:

   Mailing Address:

   City/Town: State: Zip Code:

   Business Phone: ext. Fax:

   Contact Person: Title:

5. Name and address of general contractor:

   Name:

   Mailing Address:

   City/Town: State: Zip Code:

   Business Phone: ext. Fax:

   Site Phone: Off-hours Phone:

   Contact Person: Title:

6. List any engineer(s) or other consultant(s) employed or retained to assist in preparing the registration and Stormwater Pollution Plan.

   O Check here if additional sheets are necessary, and label and attach them to this sheet

   Name:

   Mailing Address:

   City/Town: State: Zip Code:

   Business Phone: ext. Fax:

   Contact Person: Title:

   Service Provided:

Part IV: **Site Infonnation**

1. Site or Project Name (if any):
   Street Address or Description of Location:
   City!Town: State: Zip Code:
2. Brief descri ption of construction acti vity:
3. Start Date: Anticipated Completion Date:
4. Estimated total number of acres to be disturbed:

Part V: Stormwater Discharge Information

1. Where does stormwater discharge to:
   O Municipal Separate Storm System? O Yes O No (Name):
   O Surface water body or wetlands? O Yes O No (Name):
2. Is the discharge located less than 500 feet from a tidal wetland, which is not a fresh-tidal wetland?
   O Yes O No
3. Name of the watershed where the site is located OR nearest waterbody to which it discharges:
4. Is construction in accordance with the Guidelines established under Section 22a-329 of the Soil Erosion and Sedimentation Act? D Yes D No
5. Is construction in accordance with local soil erosion and sediment ordinances? D Yes D No
   Note A copy of this registration and the Stormwater Pollution Control Plan must be available to the town wetlands enforcement officials, wetlands commission, or their equivalent.
6. Will the construction project disturb over ten acres? O Yes O No
   If yes, enclose a copy of the Stormwater Pollution Control Plan and plan review fee.
7. Has the construction project been reviewed for compliance with the following DEP programs?
   a. Coastal Management Act (Section 22a-92 of the Connecticut General statutes) O Yes O No
   b. Endangered and Threatened Species (Section 26-306 of the Connecticut General Statutes) O Yes O No
   c. State and Federal Historic Preservation statutes? O Yes O No

Part VI: Supporting Documents

Check the box by the attachments being submitted as verification that a// applicable attachments have been submitted with this registration form. When submitting any supporting documents, please label the documents as indicated in this part (e.g., Attachment A, etc.) and be sure to include the registrant's name as indicated on the *Permit Application Transmittal Form.*

D	Attachment A:	An 8 112" x 11" copy of the relevant portion or a full-sized original of a USGS Quadrangle Map indicating the exact location of the facility or site. Indicate the quadrangle name on the map. (To obtain a copy of the relevant USGS Quadrangle Map, call your town hall or DEP Maps and Publications Sales at 860-424-3555)
D	Attachment 8:	A copy of the Stormwater Pollution Control Plan and plan review fee of $500.00, if the construction project disturbs over 10 acres

Part VII: Environmental Professional Certification

The following certification must be signed by a professional engineer, licensed to practice in Connecticut.

"Icertify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the site. I further certify, based on such review and in my professional judgment, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, and the conditions for the General Permit for the Discharge of stormwater and Dewatering Wastewaters from Construction Activities and the controls required for such Plan are appropriate for the site. I am aware that there are significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements."

Signature of Professional Engineer	Date
Name of Professional Engineer (print or type)	P. E. Number (if applicable)

Affix P E. Stamp Here

Part VIII: Registrant Certification

The registrant *and* the individual(s) responsible for actually preparing the registration must sign this part. A registration will be considered incomplete unless all required signatures are provided.

"Ihave personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I certify that this general permit registration is on complete and accurate forms as prescribed by the commissioner without alteration of the text. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the Connecticut General Statutes, pursuant to section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute.

I also certify under penalty of law that I have read and understand all conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, that all conditions for eligibility for authorization under the general permit are met, all terms and conditions of the general permit are being met for all discharges which have been initiated and are the subject of this registration, and that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowingly making false statements.•

Signature of Registrant	Date
Name of Registrant (print or type)	Title (if applicable)
Signature of Preparer (if different than above)	Date
Name of Preparer (print or type)	Title (if applicable)

O Check here if additional signatures are necessary.

If so, please reproduce this sheet and attach signed copies to this sheet.

Note: Please submit the *Permit Application Transmittal Form,* the Registration Form, Fee(s), and all Supporting Documents to:

CENTRAL PERMIT PROCESSING UNIT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

Note: If discharging to municipal separate storm sewer, send a copy of this completed registration form to the owner or operator of that system.

If discharging to a public drinking water supply watershed or aquifer area, send a copy of this completed registration form to the appropriate water company.

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
CentralPermit Processing Unit
79 Elm Street
Hartford, CT 06106-5127

CPPU USE ONLY
App#:
Doc#:
Check#:

Permit Application Transmittal Form

Please complete this transmittal form in accordance with the instructions in order to ensure the proper handling of your application(s) and the associated *fee{s) Print legibly or type.*

Part 1: Applicant Information:

- **If an applicant* is a *corporation, limited liability company, limited partnership, limited liability partnership, or* a *statutory trust, it must be registered with the Secretary of State. If applicable, applicanrs name shall be stated exactly* as *it* is *registered with the Secretary of State.*
- *If an applicant* is *an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name: Suffix (Jr.* Sr *., II, III, etc.).*

Applicant:
Mailing Address:
City!Town State Zip Code
Business Phone: ext.: Fax:
Contact Person: Phone: ext.
E-Mail:
Applicant (check one): O individual O *company O federal gov't O state agency O municipality
*If a company, list company type (e g., corporation, limited partnership, etc):
D Check if any co-applicants. If so, attach additional sheet(s) with the required information as supplied above. Please provide the following information to be used for *billing purposes only,* if different
Company/Individual Name:
Mailing Address:
City/Town State Zip Code
Contact Person: Phone: ext.

Part II: Project Information

Brief Description of Project: *(Example: Development of* a *50 slip marina on Long Island Sound)*

Location (City/Town):

Other Project Related Permits *(not* included wth this form):

Permit Description	Issuing Authority	Submittal Date	Issuance Date	Denial Date	Permit#

Part III: Individual Permit Application and Fee Information

New, Mod. or Renew	Individual Permit Applications	Initial Fees	No.of Permits Applied For	Total Initial Fees	Original+ Required Copies
	AIR EMISSIONS				
	New Source Review	$940.00			1+0
	Title V Operating Permits	none			1+0
	Title IV	none			1+0
	Clean Air Interstate Rule (CAIR)	none			1+0
	WATER DISCHARGES				
	To Groundwater	$1300.00			1+1
	To Sanitary Sewer (POTW)	$1300.00			1+1
	To SUrface Water (NPDES)	$1300.00			1+2
	INLAND WATER RESOURCES-multiple permHs 1+0 totill cQl>les				
	Dam Construction	none			1+2
	Flood Management Certification	none			1+1
	Inland 401 Water Quality Certification	none			1+5
	Inland Wetlands and watercourses	none			
	Stream Channel Encroachment Lines	*			
	Water Diversion	*			1+5
	OFFICE OF LONG ISLAND SOUND PROGRAMS				
	Certificate of Pennisslon	$375.00			1+3
	Coastal401 Water Quality Certification	none			1+3
	Structures and Dredglngmdal Wetlands	$660.00			1+3
	WASTE MANAGEMENT				
	Aerial Pesticide Application	*			1+2
	Aquatic Pesticide Application	$200.00			1+0
	CGS Section 22a-454 Waste Facilities	*			1+1
	Hazardous Waste Treatment, Storage and Disposal Facilities	*			1+1
	Marine Tennlnal License	$125.00			1+0
	Stewardship	$4000.00			1+1
	Solid Waste Facilities	*			1+1
	waste Transportation	*			1+0
		Subtotal			
	GENERAL PERMITS and AUTHORIZATIONS	Subtotals Page 3			
	Enter subtotals from Part IV, pages 3 & 4 & 5 of this form	Subtotals Page 4			
		Subtotals Page 5			
		TOTAL			

O Indcate whether municipal discount or state waiver applies.
Less Applicable Discount

AMOUNT REMITTED

Check#

Check or money order should be made payable to:
"Department of Environmental Protection"

* see fee schedule on Individual application.

Part IV: GeneralPermit Registrations and Requests for Other Authorizations
Application and Fee Informatbn

	**			**

**
Contact the specific permit program for this information (Contact numbers are providedin the instructi ons).

Part IV: GeneralPermit Registrations and Requests for Other Authorizations (continued)

./ GeneralPermits and Other Authorizations	Initial Fees	No.of Permits Applied For	TotalInitial Fee	Original+ Required Copies
AQUIFER PROTECTION PROGRAM				
O Registrationfor Regulated Activities	$625.00			1+0
O Permit Application to Add a Regulated Activity	$1250.00			1+0
O Exemption APPlicationfrom Registration	$1250.00			1+0
INLAND WATER RESOURCES				
O Dam Safety Repair and Alteration	$1000.00			1+2
O DiversionofWater for Consumptive Use:Reauthorization Cate-gories	$1000.00			1+2
O Diversionof Water for Consumptive Use:Authorization ReQuired	$2500.00			1+5
O Diversionof Water for Consumptive Use:Filing Only	$1500.00			1+4
O Habitat Conservation	$1000.00			1+2
O Lake,Pond and Basin Dredging	$1000. 00			1+2
O Minor Grading	$1000.00			1+2
O Minor Structures	$1000.00			1+2
O Utilities and Drainage	$1000.00			1+2
O Emergency/Temporary Authorization	**			**
O Other,(please specify):				
OFFICE OF LONG ISLAND SOUND PROGRAMS				
O 4/40 Docks	$700.00			1+1
O Beach Grading	$100.00			1+1
O Coastal Remedial Activities Required by Order	$700.00			1+1
O Marina and Mooring Field Reconfiguration	$700.00			1+1
O Non-harbor Moorings	$100.00			1+1
O Osprey Platforms and Perch Poles	none			1+1
O Pump-out Facilities (no fee for Clean Vessel Act grant recipients)	$100.00			1+1
O Removalof Derelict Structures	$100.00			1+1
O Residential Flood Hazard Mitigation	$100.00			1+1
O Swim Floats	$100.00			1+1
O Emergency/Temporary Authorization	**			**
O Other,(please specify):				
Note:Carry subtotals over to Part III, page 2 of this form. Subtotal ..,				

*Seefee schedule on registration/application. **Contact the specific permit program for this information.

Part IV: GeneralPermit Registrations and Requests for Other Authorizations (continued)

./	GeneralPermits and Other Authorizations	Initial Fees	No.of Permits Applied For	TotalInitial Fee	Original+ Required Copies
	WASTE MANAGEMENT				
D	Additionof Grass Clippings at Registered Leaf Compostlng Facilities	$500.00			1+0
D	Asbestos DisposalAuthorization	$300.00			1+0
	Certain Recycling Facilities				
D	Drop-site Recycling Facility	$200.00			1+0
D	Limited Processing Recycling Facility	$500.00			1+0
D	Recyciables Transfer Facility	$500.00			1+0
D	Single Item Recycling Facility	$500.00			1+0
D	Contaminated Soli and/or Staging Management (Staging/Transfer) Registration Only	$250.00			1+0
D	Approval of Registration by DEP	$1500. 00			1+0
D	Connecticut Solid waste Demonstrallon Project	$1000.00			1+0
O	Disassembling Used Electronics	$400.00			1+0
D	Leaf Composting Facility	none			1+1
O	Municipal Transfer Station	$800.00			1+1
O	One Day Collection of Certain Wastes and Household Hazardous Waste	$1000.00			1+0
D	Special Waste Authorization	$660.00			1+0
D	storage and Distribution ofT 121l nch Nominal Tire ChiP Aggregate	$500.00			1+0
D	storage and Processing of Asphalt Roofing Shingle Waste and/or storage and Distribution of Ground Asphalt Aggreqate	~			1+0
D	storage and Processing of Scrap Tires for Beneficial Use	$1000.00			1+0
O	Emergency/Temporary Authorization	~~			~~
D	Other(please specify):				
	REMEDIATION				
D	In Situ Groundwater Remediation: Enhance Aerobic Biodegradation	~			1+2

Note:Carry subtotals over to Part III, page 2 of this form. Subtotal

*See fee schedule on registration/application. **Contact the specific permit program for this information.

In conformance with the ADA, individuals with disabilities who need information in an alternative format to allow them to benefit and/or participate in the agency's programs and services, should call 860-424-3051 or 860-418-
5937, or e-mail Marcia Z. Bonitto, ADA Coordinator at Marcia.Bonitto@ct.gov.

Applicant Compliance Information

DEP ONLY
App. No. ——————————
Co./Ind. No. ——————————

Applicant Name:
(as indicated on the *Permit Application Transmittal Fo:m)*

If you answer yes to any of the questions below, you must complete the Table of Enforcement Actions on the reverse side of this sheet as directed in the instructions for your permit application.

A. During the five years immediately preceding subnission of this application, has the applicant been conv1cted 1n any JUnsdlctlon ot a cnm1nal v1Dlat1on ot any enmonmental law'?

D Yes **D** No

B. During the five years immediately preceding submission of this application, has a civil penaky been imposed upon the applicant in any state, ineluding Cannecticut. or federal judicial praceeding for any violation of an environmental law?

D Yes **D** No

C. During the five years immediately preceding submission of this application, has a civil penalty exceeding five thousand dollars been imposed on the applicant in any state, including Connecticut, or federal administrative proceeding for any violation of an environmental law?

D Yes **D** No

D. During the five years immediately preceding submission of this application, has any state, including Connecticut, or federal court issued any order or entered any judgemento the applicant concerning a violation of any environmental law?

D Yes **D** No

E. During the five years immediately preceding subnission of this application, has any state, including Connecticut, or federal administrative agency issued any order to the applicant concerning a violation of any environmental law?

D Yes **D** No

DEP-APP-002 **'of2** **Rw. *05/r:JH04***

Table of Enforcement Actions

(1) Type of Action	(2a) Date Commenced	(2b) Date Terminated	(3) Jurisdiction	(4) Case/Docket/ Order No.	(5) Descripti on of Violation

O Check the box if addtionall sheet$ are attached Copies of this form may be duplicated for additional spaoe.

OEP-APP..(j)):Z 2012 Rev. 05107104

Applicant Background Information

Please enter a check mark by the entity which best dascribes the applicant and complete the requested information. **You must choose one of the following.**

D Corporation

1. Parent Corporation
   Name:
   Mailing Address:
   Citylfown: State: Zip Code:
   Business Phone: ext. Fax:
   Contact Person: Hie:
2. Subsidiary Corporation:
   Name:
   Mailing Address:
   Citylfown: State: Zip Code:
   I::IUSIII8SS 1-'hone: ext. ax:
   Contact Person: Hie:
3. Directors:
   Name:
   Mailing Address:
   Citylfown: State: Zip Code:
   Business Phone: ext. Fax:

   Name:
   Mailing Address:
   Citylfown: State: Zip Code:
   Business Phone: ext. Fax:

   D Please enter a check mark, if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information as supplied above.
4. Officers:
   Name:
   Mailing Address:
   Citylfown: State: Zip Code:
   Business Phone: ext. Fax:

   D Please enter a check mark, if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information as supplied above.

Applicant Background Information (continued)

D Limited Liability Company

1. List each member.

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

D Please enter a check mark, if additionalsheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information as supplied above.

2. List any manager(s) who, through the articles of organization, are vested the management of the business, property and affairs of the limited liabilty company.

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext Fax:

Name:
Mailing Address
City/Town: State: Zip Code:
Business Phone: ext. Fax:

D Please enter a check mark, if additionalsheets are necessary. If so, label and attach additional sheet(s) to this sheet wth the required information as supplied above.

Applicant Background Information (continued)

D Limited Partnership

1. General Partners:

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

D Please enter a check mark, if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information as supplied above.

2. Limited Partners:

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

O Please enter a check mark, if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet wth the required information as supplied above.

Applicant Background Information (continued)

D General Partnership

1. General Partners:

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

Name:
Mailing Address:
City/Town: State: Zip Code
Business Phone: ext. Fax:

D Please enter a check mark, if additional sheets are necessary. If so, label and attach addt ional sheet(s) to this sheet wth the required information as supplied above.

Applicant Background Information (continued)

D Voluntary Association

1. List authorized persons of association or list all members of association.

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

Name:
Mailing Address:
City/Town: State Zip Code:
Business Phone: ext. Fax:

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

D Please enter a check mark, if additional sheets are necessary. If so, label and attach addt ional sheet(s) to this sheet wth the required information as supplied *above*.

D Individual or Other Business Type

1. Name:
Mailing Address:
City/Town: State: Zip Code:
Business Phone: ext. Fax:

2. State other names by which the applicant is known, including business names.
Name:

D Please enter a check mark, if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet wth the required information as supplied above.

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APPENDIX B
CERTIFICATIONS

PREPARER'S CERTIFICATION

Project:	Wind Colebrook South
Project Location:	29 Flagg Hill Road Colebrook, Connecticut
Permittee:	BNE Energy
	29 South Main Street Town Center Suite 200 West Hartford, CT 06107 (800) 450-0503
Contractor:	To Be Determined
Preparer:	Curtis Jones, PE
	Civil 1 43 Sherman Hill Road Woodbury, CT 06798
Certification Statement:	

I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the site. I further certify, based on such review and in my professional judgment, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, and the conditions for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities issued on October 1, 2002 (or as reissued or modified), and the controls required for such Plan are appropriate for the site. I am aware that there are significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements.

Name: Curtis Jones, P.E.

CONTRACTOR / CO-PERMITTEE CERTIFICATION

Project:	Wind Colebrook South
Project Location:	29 Flagg Hill Road Colebrook, Connecticut
Contractor:	
Address:	
Phone:	
Fax:	

Certification Statement:
I certify by my signature below that I participated in a pre-construction conference with the individual who is responsible for the operational control of this Stormwater Pollution Prevention Plan (SWPPP). I accept the terms and conditions of this SWPPP as required by the general National Pollutant Discharge Elimination System issued to the Owner/Operator of the construction activity for which I have been contracted to perform construction related professional services. Further, by my signature below, I understand that I am becoming a Co-permittee with the Owner/Operator and other contractors that have become Co-permittees to the general NPDES permit issued to the Owner/Operator of the facility for which I have been contracted to perform professional construction services. As a Co-permittee, I understand that I, and my company, as the case may be, am legally accountable to the Connecticut Department Environmental Protection to ensure compliance with the terms and conditions of this SWPPP. I also understand that DEP enforcement actions may be taken against any specific Co-permittee or combination of Co-permittees if the terms and conditions of this SWPPP are not met. Therefore, having understood the above information, I am signing this certification and am receiving Co-permittee status to the aforementioned general NPDES permit.

Company Official's Signature:

Name: _____ Title: _____
(Please print) (Please print)

Signature: _____ Date: _____

CONTRACTOR / OPERATOR CERTIFICATION

Project:	Wind Colebrook South
Project Location:	29 Flagg Hill Road Colebrook, Connecticut
Contractor:	
Address:	
Phone:	
Fax:	

Certification Statement:
I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I certify that this permit registration is on complete and accurate forms as prescribed by the commissioner without alteration of the text. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015 10 of 24 Connecticut General Statutes, and in accordance with any other applicable statute. I also certify under penalty of law that I have read and understand all conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities issued on October 1, 2002 (or as reissued or modified), that all conditions for eligibility for authorization under the general permit are met, all terms and conditions of the general permit are being met for all discharges which have been initiated and are the subject of this registration, and that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowingly making false statements.

Corporate Official's Signature:

Name: _____ Title: _____
(Please print) (Please print)

Signature: _____ Date: _____

INSPECTOR CERTIFICATION

Project:	Wind Colebrook South
Project Location:	29 Flagg Hill Road Colebrook, Connecticut
Contractor:	
Address:	
Phone:	
Fax:	

Certification Statement:
I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the site. I further certify, based on such review and in my professional judgment, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, and the conditions for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities issued on October 1, 2002 (or as reissued or modified), and the controls required for such Plan are appropriate for the site. I am aware that there are significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements.

Inspector's Signature:

Name: _____ Title: _____
(Please print) (Please print)

Signature: _____ Date: _____

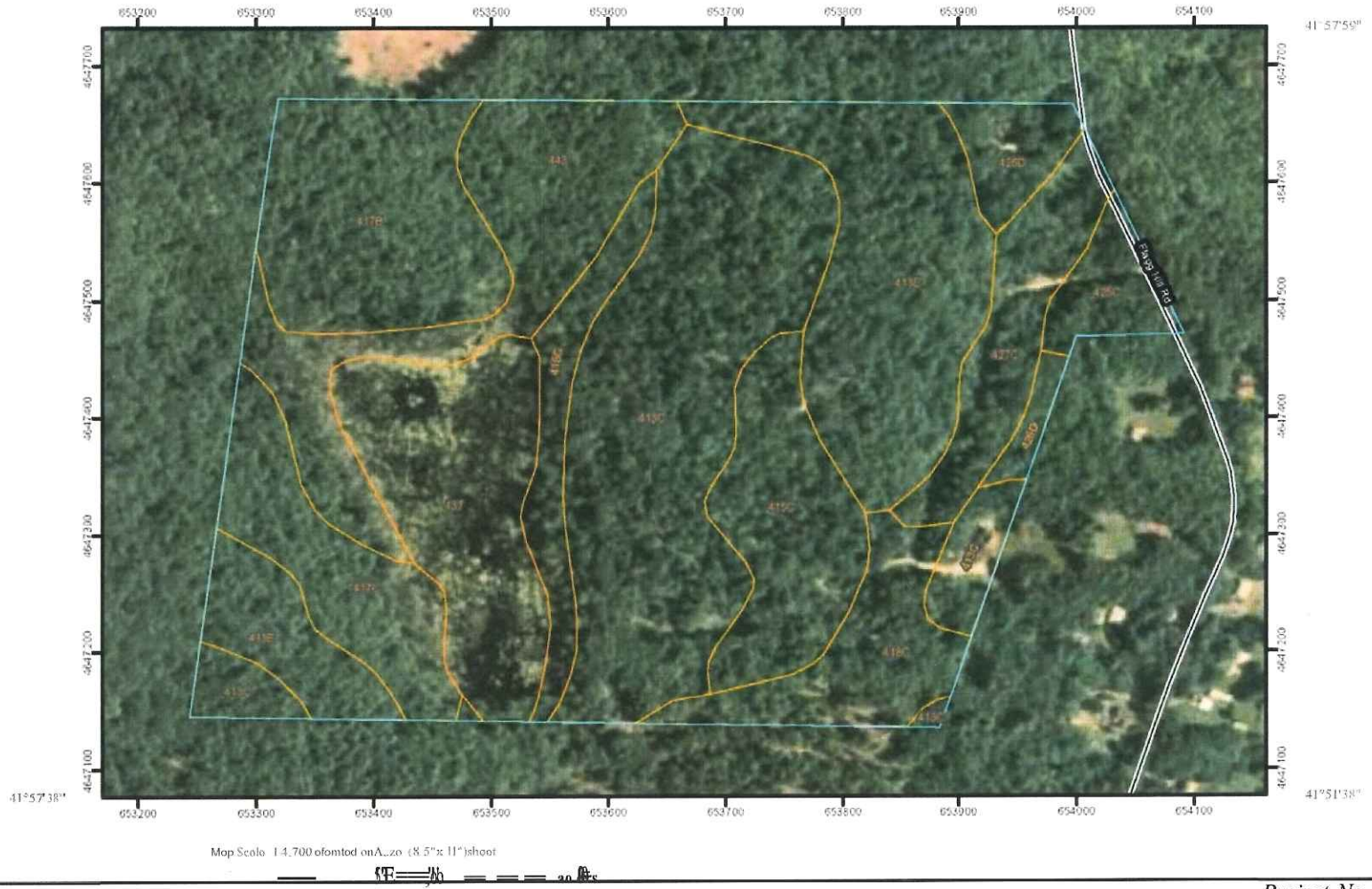
APPENDIX C
PRE-CONSTRUCTION MEETING

Although a pre-construction meeting is not a requirement for this CGP, a meeting will be conducted. A copy of this documentation should be kept in this appendix.

APPENDIX D MAPS AND DRAWINGS


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
STATE OF CONNECTICUT
HIGHWAY DEPARTMENT
NORFOLK QUADRANGLE
CONNECTICUT—LITCHFIELD CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
Wind Colebrook South Project Site
CONTOUR INTERVAL 10 FEET

Soil Map-State of Connecticut
(Wind Colbrook South)



Soil Map-State of Connecticut
(Wind Colbrook South)

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Units

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other

Special Line Features
- Gully
- Short Steep Slope
- Other

Political Features
- Cities

Water Features
- Oceans
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

MAP INFORMATION

Map Scale: 1:4,700 if printed on A size (8.5" x 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:12,000.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: UTM Zone 18N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: State of Connecticut
Survey Area Data: Version 7, Dec 3, 2009

Date(s) aerial images were photographed: 8/1412006

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres In AOI	Percent of AOI
413C	Bice-Millsite compl ex.3 to 15 percent sll opes. very rocky	20.1	22.0%
413E	Bice-Millsite complex, 15 to 45 percent slopes, very rocky	14.5	15.8%
415C	WestminsterMillsite-Rock outcrop complex.3 to 15 percent slopes	6.4	7.0%
4178	Bice fine sandy loem, 3 to 8 percent slopes, very stony	8.9	9.7%
417C	Bice fine sandy loam, 8 to 15 percent sll opes, very stony	5.5	6.0%
418C	Schroon fine sandy loam. 2 to 15 percent slopes, very stony	8.3	9.0%
425C	Shelburne fine sandy loam. 8 to 15 percent slopes, very stony	2.0	2.2%
4260	Shelburne fine sandy loam. 15 to 35 percent slopes. extremely stony	2.6	2.9%
427C	Ashfield fine sandy loam, 8 to 15 percent sbpes. very stony	4.6	5.0%
437	Wonsqueak mucky peat	9.1	9.9%
443	Brayton-loonmeadow complex, extremely stony	9.5	10.4%
Totals for Area of Interest		91.8	100.0%