



A TETRA TECH COMPANY

**Delaney Group, Inc**

**Spill Prevention, Containment, and Control Plan**

# **Marble River Wind Farm**

Prepared for

Horizon Wind Energy, LLC



# Marble River Wind Farm Spill Prevention, Containment, and Control Plan

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## **Marble River Wind Farm Spill Prevention, Containment, and Control Plan**

### **1.0 INTRODUCTION**

This Spill Prevention, Containment and Control Plan (Spill Plan) describes planning, prevention and control measures to minimize impacts resulting from spills of fuels, petroleum products, or other regulated substances as a result of construction. These measures will be implemented by The Delaney Group, Inc (DGI) and other subcontractors working for the DGI on the Marble River Wind Farm Project.

### **2.0 FACILITY INFORMATION**

The facility covered by this spill plan is an active construction site. DGI is engaged in construction for the purposes of preparing 72 turbine foundations, a Substation, roughly 67 miles of collection trench, 20 miles of access roads, crane pads, erosion control, drainage and restoration. All facilities relating to the construction that DGI is operating and maintaining are temporary in nature and are for the purposes of executing the construction. The specific quantities and descriptions will be updated as changes are made. Management certification and contact information must be updated as well. This Plan is prepared to accommodate the requirements of the project and does not fall under the requirements of 40 CFR 112 for a written SPCC plan. These temporary facilities will be dismantled and removed upon completion of the construction project.

#### **2.1 FACILITY DRAINAGE**

The facility sits on the north side of the Adirondack Park and consists of many adjacent and connected parcels owned by various land owners. The overall area is approximately 9.2 miles north to south and 7.7 miles east to west. The project sits entirely in Clinton County in the towns of Clinton and Ellenburgh, NY. The project elevation ranges from approximately 940 feet above mean sea level at the north end to approximately 1230 feet above mean sea level on south. There are several wetlands and intermittent streams throughout the area that have various local flow directions depending on the specific topography. There are six sub-watersheds located within the area. They are the Chateaugay River, Direct Canadian Drainage, English River, Hitchinbrook and Collins Brook, Shea Brook and Kellas Creek, all of which flow to the St Lawrence River and the Upper Great Chazy River which flows to Lake Champlain.

Drainage for the area of the lay down yard where the fuel tank is located is to the east. The area is gravel. At the southern edge of the improved lay down yard the drainage ties into natural features. During the construction process some of this flow will utilize new culverts to flow under project access roads before reconnecting with the natural drainage patterns. This area represents the western boundary of the English River Sub-Watershed. Flow continues to the east and north to the St. Lawrence River. Existing fenced equipment storage in the southern portion of the lay down yard flows to the south and connects with the Upper Great Chazy River Sub-Watershed. This flows to the Lake Champlain Basin. Based on the volumes of materials stored and transferred and the countermeasures in place, impacts beyond the local area are not anticipated.

#### **2.2 SITE SECURITY**

The site is gated and full time security is present during non-operating hours. During operating hours all visitors are required to check in at the site construction trailer. There is an existing camera system onsite that has view of the laydown area. Tank #1, 2, and 3 are locked during non-working hours to prevent

operation or siphoning. Tank #4, 5, 6, and 7 are stored in a locked barn during non working hours. Security personnel make rounds of the area during non-working hours.

## 2.3 BULK STORAGE TANKS

Describe tank design, materials of construction, fail safe engineering features, and if needed, corrosion protection:

- Tank #1 is a 500-gallon, double-walled steel tank storing off road diesel fuel and is located in the project lay down yard.
- Tank #2 is a 350-gallon, double-walled steel tank storing on road diesel fuel and is located in the project lay down yard.
- Tank #3 is a 350-gallon, double-walled steel tank storing gasoline and is located in the project lay down yard.
- Tank #4, 5, 6, & 7 are 55-gallon, single-walled steel drum storing motor oil, hydraulic oil, antifreeze, and transmission oil and are located within a steel barn structure.

## 2.4 POTENTIAL SPILLS –PREDICTION AND CONTROL

| Source                   | Major Type of Failure     | Total Quantity (Gallons) | Rate (Gpm) | Direction of Flow                              | Secondary Containment       |
|--------------------------|---------------------------|--------------------------|------------|--|-----------------------------|
| Tank Truck               | Tank Valves and Equipment | 2,500                    | 250        | See Map <sup>1</sup><br>Dependent <sup>2</sup> | Delivery Vehicle            |
| Hose Lines to Equipment  | Hose Rupture or Spillage  | 2,500                    | 20         | See Map <sup>1</sup>                           | Spill Pan <sup>2</sup>      |
| Storage Tanks            | Perforation, Valve        | 500                      | 500        | See Map <sup>1</sup>                           | Double Wall                 |
| Equipment Hydraulic Line | Hose Rupture              | 100                      | 20         | See Map <sup>1</sup>                           | Not Applicable <sup>2</sup> |
| Equipment Fuel           | Perforation               | 125                      | 125        | See Map <sup>1</sup>                           | Not Applicable <sup>2</sup> |
| Drum                     | Rupture or Perforation    | 55                       | 55         | Inside, Level                                  | In Barn                     |

<sup>1</sup> The site map depicts the lay down yard which is the consistent area for fueling operations for the project duration. This is the location of the main fuel tank. Fueling operations will be done in various areas along the access roads (excluding wetlands). Locations will be chosen to minimize the potential for impact to soil or water by reducing overland flow.

<sup>2</sup> The site staff is responsible for incoming product and fueling operations. All storage tanks and the area surrounding the tanks are inspected daily for accidental discharge. During the normal operating hours a superintendent is on constant alert for any problems. Personnel are trained and equipped to address the possibilities of an accidental discharge from a tank truck.

## 3.0 PLANNING AND PREVENTION

DGI has developed this Spill Plan to set forth minimum standards for handling and storing regulated substances and cleaning up spills. Potential sources of construction-related spills include machinery and equipment failure, fuel handling, transfer accidents, and storage tank leaks. DGI will be responsible for implementing, at a minimum, the following planning and prevention measures.

### 3.1 ROLES AND RESPONSIBILITIES

#### 3.1.1 Spill Coordinator

A Spill Coordinator shall be designated by DGI. For any release over 5 gallons, the Spill Coordinator shall assist in response action. For all construction related spills, the following shall apply:

- The Spill Coordinator shall report all spills to DGI site management immediately
- The Spill Coordinator shall report spills to Horizon and to all appropriate federal, state and local agencies within 2 hours of discovery.
- The Spill Coordinator shall mobilize on-site personnel, equipment, and materials for containment and/or cleanup commensurate with the extent of the spill.
- The Spill Coordinator shall assist the Emergency Response Contractor (Appendix A) and monitor containment procedures to ensure that the actions are consistent with the requirements of this Spill Plan.
- The Spill Coordinator, in consultation with appropriate agencies, shall determine when it is necessary to evacuate spill sites to safeguard human health.
- The Spill Coordinator shall coordinate with appropriate agencies the need to contact additional parties or agencies.
- The Spill Coordinator is responsible for completing a Spill Report Form (Appendix B) within 24 hours of the occurrence of a spill, for all spills impacting the lands or waters of New York State.

#### 3.1.2 Environmental Inspector

- The Environmental Inspector will monitor DGI's compliance with the provisions of this Spill Plan.

#### 3.1.3 Authorized Personnel

- Authorized Personnel are representatives of DGI who are designated to handle fuel, lubricants or other regulated substances.
- Authorized Personnel include drivers and delivery personnel of DGI's fuel supplier.
- Authorized Personnel must be familiar with the requirements of the Spill Plan and the consequences of non-compliance. Training on the plan is documented on a form shown in Appendix C.

#### 3.1.4 Construction Superintendent

- DGI's Construction Superintendent or representative must notify the Spill Coordinator Environmental Inspector immediately of any spill of a petroleum product or hazardous liquid, regardless of volume.

#### 3.1.5 Construction Personnel

- Construction Personnel are representatives of DGI involved with the wind farm project.
- Construction Personnel shall notify the crew foreman or Spill Coordinator immediately of any spill of a petroleum product or hazardous liquid, regardless of volume.

### 3.2 TRAINING

- 3.2.1 DGI shall train all employees who handle fuels and other regulated substances to prevent spills and to quickly and effectively contain and clean up spills that may occur in accordance with applicable regulations. Training will be documented as part of Appendix C of this plan.

### 3.3 EQUIPMENT

- 3.3.1 Each construction crew must have adequate absorbent materials and containment booms on hand, to enable the rapid cleanup of any spill which may occur. Materials to enable rapid cleanup of small spills can be found in pieces of heavy equipment and DGI Pickup trucks on site.
- 3.3.2 DGI must maintain spill kits containing a sufficient quantity of absorbent and barrier materials to adequately contain and recover foreseeable spills. These kits may include, but are not limited to absorbent pads, straw bales, absorbent clay, sawdust, floor-drying agents, spill containment barriers, plastic sheeting. This equipment shall be located near fuel storage areas and other

locations as necessary to be readily available to control foreseeable spills. Spill Kits are located at the 500 Gallon Fuel Tank, DGI Field Office, and Project Storage Barn.

- 3.3.3 Suitable plastic lining materials shall be available for placement below and on top of temporarily-stored contaminated soils and materials.
- 3.3.4 All fuel, and where necessary, service vehicles, shall carry spill containment materials adequate to control foreseeable spills. Such material may include but not be limited to absorbent pads, commercial absorbent material, plastic bags with ties, and a shovel.
- 3.3.5 The Spill Coordinator shall make known to Authorized Personnel, Construction Personnel, and the Environmental Inspector, and the Owner Representative the locations of spill control equipment and materials, and have them readily accessible during construction activity.
- 3.3.6 Construction equipment shall be removed from wetlands and parked a minimum of 100 feet away from streams, wetlands, ditches, and other water bodies at the end of each work day.
- 3.3.7 In large wetlands where no upland site is available for refueling, auxiliary fuel tanks on construction equipment are recommended.
- 3.3.8 All fuel nozzles shall be equipped with functional automatic shut-offs and over-flow alarms.
- 3.3.9 Fuel trucks transporting fuel to on-site construction equipment shall travel only on approved access roads.

#### **3.4 SUPERVISION AND INSPECTION**

- 3.4.1 DGI shall perform a pre-construction inspection and test of all equipment to ensure that it is in good repair.
- 3.4.2 During construction, DGI shall regularly inspect hoses, pipes, valves, and tanks to ensure equipment is free of leaks. Any equipment that is leaking or in need of repair will be immediately removed from service by DGI and repaired, prior to resuming work.
- 3.4.3 Initial inspections will be conducted by the Construction Superintendent (or their designee)
- 3.4.4 Daily inspections will be conducted by the Operator assigned to the equipment and documented on an inspection form located in/on the equipment.
- 3.4.5 Fuel Storage tanks shall be inspected by the Construction Superintendent (or their designee) on a monthly basis and documented on the Tank Inspection Log found in Appendix D.

#### **4.0 STORAGE AND HANDLING OF FUELS/HAZARDOUS LIQUIDS**

##### **4.1 FUEL STORAGE - GENERAL**

DGI shall follow proper fuel storage practices, including, but not limited to the following:

- 4.1.1 Fuel storage shall be located at the project lay down yard.
- 4.1.2 Proper signage at and adjacent to fuel storage areas to include "Fuel Storage Area – No smoking within 50 feet.
- 4.1.3 A minimum of one 20-pound or two 10-pound fire extinguishers are located and readily available at all fuel storage locations. The extinguishers shall be located not less than 25 feet and not more than 75 feet from these locations. Tools and materials to stop the flow of leaking tanks and pipes shall be kept on-site. Such equipment may include, but not be limited to, plugs of various sizes, a hammer, assorted sizes of metal screws with rubber washers, a screwdriver, and plastic tape. Spill kits (see Section 3.3 of this Spill Plan) must be located at fuel storage areas.
- 4.1.4 Fuels, lubricants, waste oil, and any other regulated substances shall be stored in aboveground tanks only.
- 4.1.5 Storage tanks and containers must conform to all applicable industry codes (NFPA, UFC, etc.).

- 4.1.6 A suitable secondary containment structure is utilized at each outdoor fuel storage site. These structures must be lined with suitable plastic sheeting; provide a minimum containment volume equal to 110 percent of the volume of the largest storage vessel; and provide at least 1 foot of freeboard.
- 4.1.7 If earthen containment dikes are used, they shall be constructed with slopes no steeper than 3:1 (horizontal to vertical) to limit erosion and provide structural stability.
- 4.1.8 Secondary containment areas must not have drains. Precipitation may be drawn off as necessary. If visual inspection indicates that no spillage has occurred in the secondary containment structure, accumulated water may be drawn off and sprayed on the surrounding upland areas. If spillage has occurred in the structure, accumulated waste shall be drawn off and pumped into drum storage for proper disposal.
- 4.1.9 Vehicle maintenance wastes, including used oils and other fluids, shall be handled and managed by personnel trained in the procedures outlined in this plan. Vehicle maintenance wastes will be stored and disposed of in accordance with Section 7.0 of this Spill Plan.

## **4.2 REFUELING**

- 4.2.1 Fuels shall be dispensed by Authorized Personnel during daylight hours to the maximum extent practical.
- 4.2.2 In the event that fueling operations are conducted in the pre-dawn or post dusk hours adequate temporary lighting will be utilized to create a safe working environment. Lights should be positioned to minimize shading of fueling operation. Any lights used within 15 feet of flammable liquids should be rated for use in hazardous environments (UL Class I Division 2).
- 4.2.3 Fuel dispensing operations shall be attended by Authorized Personnel at all times. Personnel must be stationed at both ends of the hose during fueling unless both ends are visible and are readily accessible by one person.
- 4.2.4 Fuel dispensing equipment (i.e., portable gas cans, nozzles, hoses, etc.) shall be of the appropriate type. Consult with Delaney Health and Safety Plan (HASP) for details.

## **4.3 REFUELING AND FUEL STORAGE NEAR WETLANDS AND WATER BODIES**

Storage of petroleum products, refueling and lubricating operations will take place in upland areas that are more than 100 feet from wetlands, streams, and water bodies (including drainage ditches), and water supply wells. In addition, DGI will store hazardous materials, chemicals, fuel and lubricating oils, and perform concrete coating activities outside these areas. Auxiliary fuel tanks solidly attached to construction equipment or pumps are not considered storage and are acceptable. In certain instances, refueling or fuel storage may be unavoidable due to site-specific conditions or unique construction requirements (e.g. continuously operating pumps). In addition to those practices described above, the following precautions will be taken when refueling within 100 feet of streams, wetlands or other water bodies:

- 4.3.1 Adequate amounts of absorbent materials and containment booms must be kept on hand by each construction crew to enable the rapid cleanup of any spill which may occur.
- 4.3.2 If fuel must be stored within wetlands or near streams for refueling of continuously operating pumps, secondary containment must be provided.
- 4.3.3 Secondary containment structures must be lined with suitable plastic sheeting, provide a containment volume of at least 110 percent of the storage vessel, and allow for at least one foot of freeboard.
- 4.3.4 Provide for adequate lighting of these locations and activities.

## 5.0 INITIAL SPILL MANAGEMENT

### 5.1 IMMEDIATE RESPONSE

Immediately upon learning of any fuel, oil, hazardous material or other regulated substance spill, or upon learning of conditions that will lead to an imminent spill, the person discovering the situation shall:

- 5.1.1 Initiate actions to contain the fluid that has spilled or is about to spill, and initiate action to eliminate the source of the spill to the maximum extent that is safely possible.
- 5.1.2 Notify the crew foreman and/or the Spill Coordinator and provide them with the following information:
  - 5.1.2.1 Location and cause of the spill
  - 5.1.2.2 The type of material that has spilled
  - 5.1.2.3 Whether the spill has reached or is likely to reach any surface water
- 5.1.3 Upon learning of a spill or a potential spill the Spill Coordinator shall:
  - 5.1.3.1 Assess the situation and determine the need for further action.
  - 5.1.3.2 Direct subsequent activities and/or further assign responsibilities to other personnel.
  - 5.1.3.3 Initiate procedures regarding excavation and disposal of contaminated soil material from wetlands or near water bodies described in Section 7.2 of this Plan.
  - 5.1.3.4 Notify the Owner Representative and Environmental Inspector within 2 hours.

### 5.2 MOBILIZATION

- 5.2.1 The Spill Coordinator shall mobilize on-site personnel, equipment, and materials for containment and/or cleanup commensurate with the extent of the spill.
- 5.2.2 If the Spill Coordinator determines that a spill is beyond the scope of on-site equipment and personnel, the Spill Coordinator shall immediately notify the Construction Superintendent that an Emergency Response Contractor is needed to contain and/or clean up the spill. Appendix A contains a list of potential Emergency Response Contractor.
- 5.2.3 The Spill Coordinator shall assist the Emergency Response Contractor and monitor containment procedures to ensure that the actions are consistent with the requirements of this Spill Plan.

## 6.0 SPILL NOTIFICATION RESPONSIBILITIES

### 6.1 NOTIFICATION VOLUMES

DGI's Construction Superintendent or representative must notify the Owner Representative and the Environmental Inspector immediately of any spill of a petroleum product or hazardous liquid, impacting the lands or waters of New York State. New York State Department of Environmental Conservation will be notified via the NYS Spill Hotline 1-800-457-7362 in concert with applicable regulations. The completed spill report (Appendix B) submitted to the Owner Representative shall include the NYSDEC Spill number issued via the hotline.

All petroleum spills that occur within New York State (NYS) must be reported to the NYS Spill Hotline (1-800-457-7362) within 2 hours of discovery, except spills which meet all of the following criteria:

1. The quantity is known to be less than 5 gallons; and
2. The spill is contained and under the control of the spiller; and
3. The spill has not and will not reach the State's water or any land; and
4. The spill is cleaned up within 2 hours of discovery.

A spill is considered to have not impacted land if it occurs on a paved surface such as asphalt or concrete. A spill in a dirt or gravel parking lot is considered to have impacted land and is reportable.





## 6.2 SPILL REPORT FORM (APPENDIX B)

The Spill Coordinator shall complete a Spill Report Form for each release of a regulated substance, for each spill impacting the lands or waters of New York State. The Spill Report Form must be submitted to the Owner Representative within 24 hours of the occurrence of a spill.

To complete the Spill Report Form, the Spill Coordinator shall compile the following information:

- A legal description of the spill location, and specific directions from the nearest community.
- The time and date of the spill, and the time and date the spill was discovered.
- The type and estimated volume of spilled material, and the manufacturer's name.
- The media in which the spill exists (e.g., soil, water, etc.).
- The topography and surface conditions of the spill site.
- Proximity of surface waters.
- Weather conditions.
- Name, company, address, and telephone number of the Construction Superintendent, Spill Coordinator, Owner representative, and the person who reported the spill.
- The cause of the spill.
- Immediate containment and/or cleanup actions taken.
- Current status of cleanup actions.

Follow-up written reports, associated laboratory analyses, confirmatory field sampling and other documentation may also be required separately on a site-specific basis as directed by the Company Representative or Environmental Inspector. Documentation is the responsibility of DGI.

## 6.3 AGENCY NOTIFICATION

DGI will notify Owner and report spills to appropriate federal, state and local agencies as soon as possible. These include, but may not be limited to the following:

**New York State Spill Hotline**  
Phone: **(800) 457-7362** (24 hours)

For releases impacting navigable waters:  
**National Response Center**  
Washington, D.C.  
Phone: **(800) 424-8802** (24 hours)

The EPA Region II Administrator (RA) will be notified within 60 days from one of the following discharge events:

- A single discharge of more than 1,000 U.S. gallons of oil to navigable waters or adjoining shorelines or
- Two discharges to navigable waters or adjoining shorelines each more than 42 U.S. gallons of oil occurring within any twelve month period.

**U.S. EPA Region II**  
2890 Woodbridge Avenue  
Building 209 (MS211)  
Edison, NJ 08837-3679  
732-321-6654

DGI, in coordination with Owner and the appropriate federal, state and local agencies must ensure that additional parties or agencies are properly notified. Additionally, DGI is responsible for ensuring that all cleanup activities required by a jurisdictional agency are satisfactorily met and provide documentation to Owner demonstrating this compliance.

## **7.0 SPILL CONTAINMENT AND CLEANUP**

In the event of a spill, DGI will abide by all applicable federal, state and local regulations with respect to cleaning up the spill. All cleanups and other construction related spill activities must be completed by, and costs assumed by DGI. Specific cleanup measures for both upland and wetland/ water body spills are described below.

### **7.1 SPILL CONTROL - UPLAND AREAS**

- 7.1.1 If a spill should occur during refueling operations, STOP the refueling operation until the spill can be controlled and the situation corrected.
- 7.1.2 The source of the spill must be identified and contained immediately.
- 7.1.3 For large spills on land, the spill must be contained and pumped immediately into tank trucks. DGI or, if necessary, an Emergency Response Contractor, shall excavate contaminated soil. Appendix A lists potential Emergency Response Contractor,
- 7.1.4 The spilled material and the contaminated soil must be treated and/or disposed of in accordance with all applicable federal, state, and local agency requirements (see Section 7.0 of this Spill Plan).
- 7.1.5 Smaller spills on land shall be cleaned up with absorbent materials. Contaminated soil or other materials associated with these releases shall also be collected and disposed of in accordance with applicable regulations (see Section 7.0 of this Spill Plan).
- 7.1.6 Flowing spills must be contained and/or absorbed before reaching surface waters or wetlands.
- 7.1.7 Absorbent material(s) shall be placed over spills to minimize spreading and to reduce its penetration into the soil.
- 7.1.8 The Spill Coordinator and/or Owner Representative, in consultation with appropriate agencies, determine when spill sites will be evacuated as necessary to safeguard human health. Evacuation parameters shall include consideration for the potential of fire, explosion, and hazardous gases.

### **7.2 SPILL CONTROL - WETLANDS AND WATERBODIES**

In addition to the above measures, the following conditions shall apply if a spill occurs near or into a stream, wetland or other water body, regardless of size:

- 7.2.1 If a spill should occur during refueling operations, STOP the operation until the spill can be controlled and the situation corrected.
- 7.2.2 For spills into streams, lakes or other water bodies containing standing or flowing water, regardless of size, DGI Representative must apprise Owner of the incident and notify the New York State Spill Hotline immediately.
- 7.2.3 For spills in standing water, sorbent booms and pads shall be on hand and used by DGI to contain and recover released materials. In addition, other spill response materials and equipment shall be on hand as appropriate for each water body and used to contain and recover foreseeable spills. This may include containment booms, skimmer pumps, holding tanks, boats, and other equipment.
- 7.2.4 If necessary, for large spills in water bodies, an Emergency Response Contractor must be secured to further contain and clean up the spill. A list of Emergency Response Contractors is included in Appendix A.

7.2.5 Contaminated soils in wetlands must be excavated and temporarily placed on plastic sheeting in a bermed area, a minimum of 100 feet away from the wetland. Contaminated soils shall be covered with plastic sheeting while being stored temporarily and properly disposed of as soon as possible, in accordance with this Plan (see Section 8.0). Owner maintains spill records along its entire system. Historic leak sites may exist within the project area and the Environmental Inspector will be made aware of the location of these sites prior to work occurring in them. Unknown contamination or historic contamination encountered during construction will be managed per Owner's Contaminated Soils Management Plan. Water Quality and Solid Waste program staff will continue to be notified of newly discovered sites.

## 8.0 STORAGE AND DISPOSAL OF CONTAMINATED MATERIALS

- 8.1 Appendix A of this SPCC Plan lists potential treatment and disposal facilities for contaminated materials, petroleum products, and other construction-related wastes. DGI will recycle those wastes, such as motor oil, where there is an established recycling program available. Wastes such as grease or oily rags shall be disposed of in accordance with state requirements.
- 8.2 All contaminated soils, absorbent materials, and other wastes shall be stored and disposed of by DGI in accordance with all applicable state and federal regulations.
- 8.3 Only licensed carriers may be used to transport contaminated material from the site to a disposal facility.
- 8.4 If it is necessary to temporarily store excavated soils on site, these materials shall be placed on, and covered by, plastic sheeting, or placed in properly labeled ring-top 55-gallon drums and the storage area bermed to prevent and contain runoff.
- 8.5 Any hazardous or contaminated material stored on Owner property or the right-of way will be properly labeled in accordance with State and US EPA labeling requirements.

## 9.0 INSPECTIONS

- 9.1 Tanks are inspected visually on a daily basis.
- 9.2 Daily inspections including; containment, tanks, piping, pumps and dispensers, are not logged.
- 9.3 Monthly inspections including; containment, tanks, piping, pumps, dispensers, signage and paint are recorded in designated logs.
- 9.4 The aboveground tank level monitoring equipment is visually inspected but not calibrated on a regular basis.

## 10.0 TRAINING

- 10.1 Personnel are properly instructed in operation and maintenance of equipment to prevent oil discharges and are instructed in applicable pollution control laws, rules and regulations.
- 10.2 Employees are trained in the following operations and procedures:
  - 10.2.1 Normal operation for receipt of petroleum products, included as Appendix E of this plan.
  - 10.2.2 Fueling of vehicles and transfer of fuel to tanks and drums.
    - 10.2.2.1 There are several rules to remember and follow during any kind of refueling operation:
      - 10.2.2.1.1 No Smoking
      - 10.2.2.1.2 Turn off the engine
      - 10.2.2.1.3 Never refuel near an open flame
      - 10.2.2.1.4 Don't spill fuel, if you do clean it up and report it.
      - 10.2.2.1.5 Keep a fire extinguisher within 50 feet of any refueling



area.

10.2.3 Containment of spills and cleanup of minor spills at the unloading/loading and fueling areas.

10.2.4 Applicable pollution control laws, rules and regulations.

10.2.5 Required reporting procedures.

Scheduled training sessions and briefings for the operating personnel are conducted frequently enough to assure adequate understanding of the SPCC Plan.

## 11.0 APPROVAL AND CERTIFICATION

1. **Name of Facility:** *Marble River Wind Farm*

2. **Type of Facility:** Construction Site Storing Bulk Petroleum for Onsite Use

3. **Location of Facility:**

148 State Route 189  
Churubusco, NY 12923  
Clinton County, NY

4. **Name and Address of Operator:**

Mr. Peter Geelan  
Project Manager  
174 State Route 189  
Churubusco, NY 12923

5. **Designated person accountable for oil spill prevention at facility:**

Mr. Kevin Booth  
Cell Phone: (518) 332-9589  
Field Office Phone: (518) 497-0240  
Main Office Phone: (518) 661-5304

Alternate:

Mr. Peter Geelan  
Cell Phone: (518) 775-3684

6. **Facility experienced a reportable oil spill event from the twelve months prior to January 10, 1974: No**



## CERTIFICATION

I hereby certify the following:

- i. I am familiar with the provisions of 40 CFR Part 112;
- ii. I have examined the Facility;
- iii. This SPCC Plan has been prepared in accordance with good engineering practices, including consideration of applicable industry standards;
- iv. Procedures for required inspections and tests have been established;
- v. The Plan is adequate for the Facility and will be implemented by management;
- vi. I have completed review and evaluation of this SPCC Plan for the Marble River Wind Farm and have completed all amendments and revisions required;
- vii. This facility meets the following qualification criteria (under 40 CFR section 112.3(g)(1)):
  - a. The aggregate aboveground oil storage capacity of the facility is 10,000 U.S. gallons or less; and
  - b. The facility has had no single discharge as described in 40 CFR section 112.1(b) exceeding 1,000 U.S. gallons and no two discharges as described in 40 CFR section 112.1(b) each exceeding 42 U.S. gallons within any twelve month period in the three years prior to the SPCC Plan self-certification date; and
  - c. There is no individual oil storage container at the facility with an aboveground capacity greater than 5,000 U.S. gallons.
- viii. This plan does not deviate from any requirement of 40 CFR part 112 as allowed by 40 CFR section 112.7(a)(2) (environmental equivalence) and 40 CFR section 112.7(d) (impracticability of secondary containment) or include any measures pursuant to 40 CFR section 112.9(c)(6) for produced water containers and any associated piping; and
- ix. This plan and individual(s) responsible for implementing this plan have the full approval of management and I have committed the necessary resources to fully implement this plan.

I also understand my other obligations relating to the storage of oil at this facility, including, among others:

- i. To report any oil discharge to navigable waters or adjoining shorelines to the appropriate authorities. Notification information is included in this plan; and
- ii. To review and amend this plan whenever there is a material change at the facility that affects the potential for an oil discharge, and at least once every five years. Reviews and amendments are recorded in an attached log (Appendix F).

I certify that I have satisfied the requirement to prepare and implement a plan under 40 CFR section 112.3 and all of the requirements under 40 CFR section 112.6(a). I certify that the information contained in this plan is true.

Reviewer:

Name: Justin R. VanCoughnett Title: PE

Date: 5/14/12 Signature: [Signature]

Management/Operator:

Name: Peter Geelan Title: Project Manager

Date: 5/14/12 Signature: [Signature]

Name: Kevin Booth Title: Environmental Manager

Date: 5/14/12 Signature: [Signature]

(This plan must receive management recertification every 5 years.)



## APPENDIX A

### Important Project Contact Information:

| Name                       | Title                           | Office         | Mobile         | Email  |
|----------------------------|---------------------------------|----------------|----------------|--|
| <b>Peter Geelan</b>        | DGI Project Manager             | (518) 497-0240 | (518) 775-3684 | <a href="mailto:peter.geelan@tetrattech.com">peter.geelan@tetrattech.com</a>               |
| <b>Justin VanCoughnett</b> | DGI Project Manager             | (518) 497-0240 | (518) 848-4717 | <a href="mailto:justin.vancoughnett@tetrattech.com">justin.vancoughnett@tetrattech.com</a> |
| <b>Kate Reyngoudt</b>      | DGI Road Superintendent         | (518) 497-0240 | (518) 332-8873 | <a href="mailto:kate.reyngoudt@tetrattech.com">kate.reyngoudt@tetrattech.com</a>           |
| <b>Kevin Booth</b>         | DGI ESQ Manager                 | (518) 497-0240 | (518) 332-9589 | <a href="mailto:kevin.booth@tetrattech.com">kevin.booth@tetrattech.com</a>                 |
| <b>Kevin Booth</b>         | Spill Coordinator               | (518) 497-0240 | (518) 332-9589 | <a href="mailto:kevin.booth@tetrattech.com">kevin.booth@tetrattech.com</a>                 |
| <b>Roderick Cossman</b>    | Owner's Representative          | (518) 497-0239 | (309) 826-6599 | <a href="mailto:roderick.cossman@edpr.com">roderick.cossman@edpr.com</a>                   |
| <b>Richard Delahunty</b>   | Owner's Environmental Inspector | (973) 630-8402 | —              | <a href="mailto:richard.delahunty@tetrattech.com">richard.delahunty@tetrattech.com</a>     |
| <b>Liv Kirk</b>            | Owner's Environmental Manager   | (713) 356-2508 | (518) 818-0453 | <a href="mailto:liv.kirk@horizonwind.com">liv.kirk@horizonwind.com</a>                     |

### Emergency Response Contractors

DGI must dispose of all wastes according to applicable federal, state, and local requirements. A listing of potential Emergency Spill Response Contractors is provided below. This list was developed from state-wide data bases. This list represents firms operating at the time the data base was produced. DGI is responsible for verifying if a contractor is currently operating under appropriate permits or licenses. DGI is responsible for ensuring wastes are disposed of properly.

### Spill Response Contractors

| Name  | City        | State | Zip   | Phone 1        | Phone 2        | Fax            |
|---|-------------|-------|-------|----------------|----------------|----------------|
| <b>Environmental Products &amp; Services of Vermont Inc</b> | Syracuse    | NY    | 13204 | (315) 451-6666 | (800) 533-3335 | (315) 457-6652 |
| <b>National Vacuum Corporation</b>                          | Queensbury  | NY    | 12804 | (518) 743-0563 | (866) 773-1167 | (518) 743-0463 |
| <b>OP-TECH Environmental Services, Inc.</b>                 | Plattsburgh | NY    | 12901 | (518) 561-8368 | (800) 225-6750 | (518) 561-4853 |
| <b>OP-TECH Environmental Services, Inc.</b>                 | Massena     | NY    | 13662 | (315) 764-1917 | (800) 225-6750 | (315) 764-9453 |



Name:

Title:

Incident Date & Time:

Location Of Spill:

Responsible Party:

Type of Fluids:

Quantity Of Fluid:

Quantity of materials:

Description of Incident:

What Remediation was completed?:

DEC Dispatcher #:

DEC Spill Case #:

Was Incident Reported & To who: Yes    X Horizon    X NYS DEC

Date Of Notification:



**APPENDIX C**  
Training Record



**MARBLE RIVER WIND FARM**

**SITE SPECIFIC SAFETY ORIENTATION and SPILL RESPONSE TRAINING**

| Date | Name | Signature |
|------|------|-----------|
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**APPENDIX D**

PROJECT: MARBLE RIVER WIND FARM MONTHLY TANK INSPECTION LOG THE DELANEY GROUP, INC.

Year: 20\_\_ to 20\_\_

| Month | Date | Inspector's Signature* | DG#                         | Capacity<br>500 gal | Description<br>Double Wall                        | Fuel     |        | Comments |
|-------|------|------------------------|-----------------------------|---------------------|---|----------|--------|----------|
|       |      |                        |                             |                     |   | Off Road | Diesel |          |
| Jan   |      |                        | <input type="checkbox"/> OK |                     | <input type="checkbox"/> DEFECTIVE (See Comments) |          |        |          |
| Feb   |      |                        | <input type="checkbox"/> OK |                     | <input type="checkbox"/> DEFECTIVE (See Comments) |          |        |          |
| Mar   |      |                        | <input type="checkbox"/> OK |                     | <input type="checkbox"/> DEFECTIVE (See Comments) |          |        |          |
| Apr   |      |                        | <input type="checkbox"/> OK |                     | <input type="checkbox"/> DEFECTIVE (See Comments) |          |        |          |
| May   |      |                        | <input type="checkbox"/> OK |                     | <input type="checkbox"/> DEFECTIVE (See Comments) |          |        |          |
| Jun   |      |                        | <input type="checkbox"/> OK |                     | <input type="checkbox"/> DEFECTIVE (See Comments) |          |        |          |
| Jul   |      |                        | <input type="checkbox"/> OK |                     | <input type="checkbox"/> DEFECTIVE (See Comments) |          |        |          |
| Aug   |      |                        | <input type="checkbox"/> OK |                     | <input type="checkbox"/> DEFECTIVE (See Comments) |          |        |          |
| Sep   |      |                        | <input type="checkbox"/> OK |                     | <input type="checkbox"/> DEFECTIVE (See Comments) |          |        |          |
| Oct   |      |                        | <input type="checkbox"/> OK |                     | <input type="checkbox"/> DEFECTIVE (See Comments) |          |        |          |
| Nov   |      |                        | <input type="checkbox"/> OK |                     | <input type="checkbox"/> DEFECTIVE (See Comments) |          |        |          |
| Dec   |      |                        | <input type="checkbox"/> OK |                     | <input type="checkbox"/> DEFECTIVE (See Comments) |          |        |          |

\*inspector certification that the inspection has been performed in a manner consistent w/ section 613.6

**Monthly Inspection Requirements**

613.6 (a)

- (1) inspecting exterior surfaces of tanks, pipes, valves, and other equipment for leaks and maintenance deficiencies;
- (2) identifying cracks, areas of wear, corrosion and thinning, poor maintenance and operating practices, excessive settlement structures, separation or swelling of tank insulation, malfunctioning equipment and structural and foundation weaknesses and
- (3) inspecting and monitoring all leak detection systems, cathodic protection monitoring equipment, or other monitoring or warning systems which may be in place at the facility

## APPENDIX E

### Procedures for receipt of Petroleum products

- Materials for spill response must be present and available.
- Proper protective clothing and equipment must be worn by the handlers at all times during operations.
- Post NO SMOKING signs around the area of operation so that anyone working in the area can see the signs immediately. Do not let anyone carry matches and lighters in the refueling area. Place fire extinguishers at all receipt, storage, and issue points.
- Stop the pump and clean the area of a spill at once. If there is a possible source of ignition, cover the area of the spill at once with sand or dry earth. All contaminated soil must be removed and disposed of according to regulations.
- Do not permit smoking, welding, open flames, or lights (other than approved explosion proof flashlights or lanterns) within 100 feet of any receipt, storage, or issue operation.
- Place drip pans under all locations where leaks or spills may occur. Drip pans should be used when you are connecting or disconnecting hose line or pipeline couplings. They should also be placed under vehicle or storage tank connections.

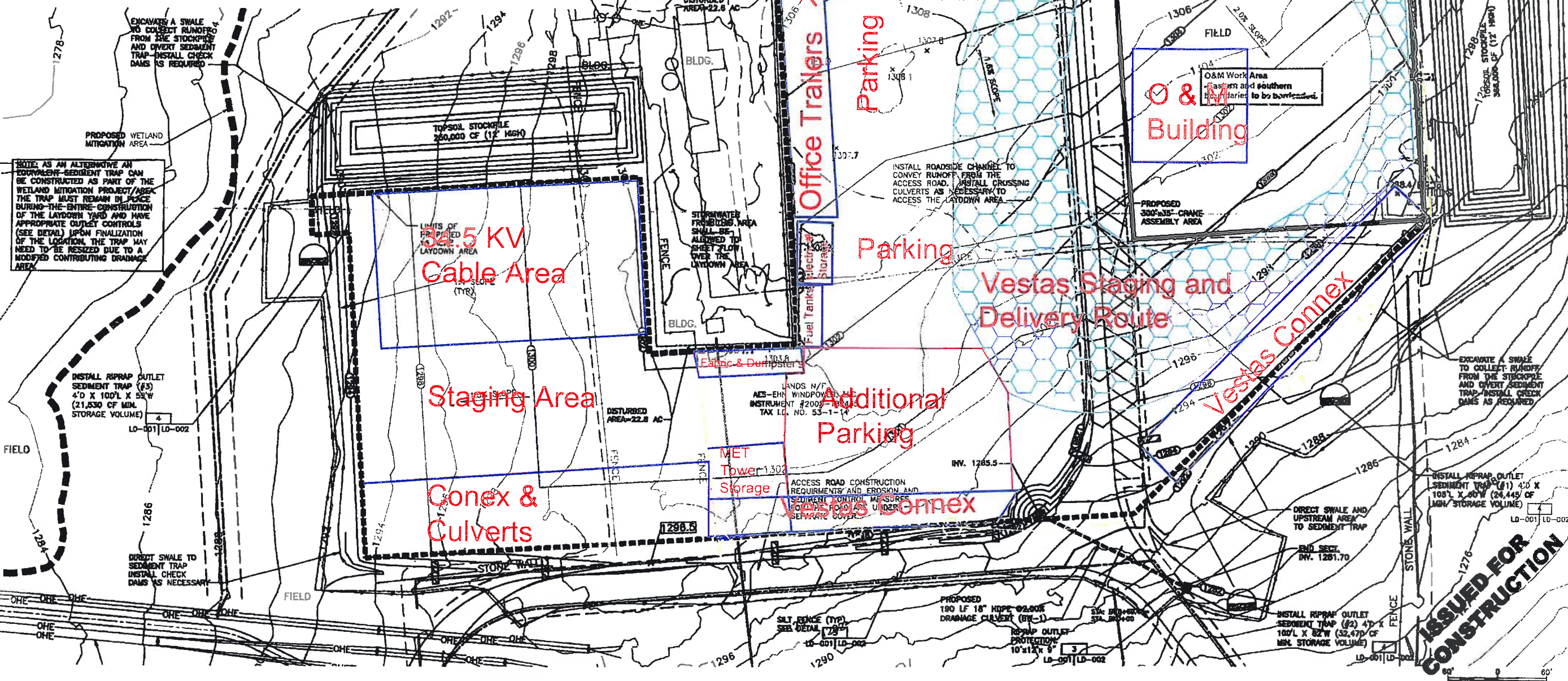
## APPENDIX F

| Review and Evaluation of SPCC Plan for Facility |                |                |   |
|---|----------------|----------------|---|
| Review Date                                     | Plan Amendment |                | Name and Signature of person authorized to review this Plan |
|   | Will Amend     | Will not Amend |   |
|   |                |                |   |
|   |                |                |   |
|   |                |                |   |
|   |                |                |   |
|   |                |                |   |
|   |                |                |   |

| Description and Certification of Technical Amendments |  |
|---|--|
| Review Date   | Description of Technical Amendment<br>Name and Signature of person certifying this technical amendment |
|   |  |
|   |  |
|   |  |
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|   |  |

- LEGEND:**
- 1278 — EXISTING CONTOUR
  - 1280 — PROPOSED CONTOUR
  - PROPOSED LIMITS OF LAYDOWN AREA
  - PROPOSED WETLAND MITIGATION LIMITS
  - PROPOSED LIMITS OF DISTURBANCE
  - PROPOSED DIVERSION SWALE
  - PROPOSED SILT FENCE

- NOTES:**
- 1.) THE PROPOSED HORIZONTAL LOCATION AND LAYOUT OF ALL ACCESS ROADS, CULVERTS, SWALES AND LIMITS OF LAYDOWN AREA WITH RESPECT TO HORIZONTAL DATUM SHOWN WILL BE PROVIDED TO THE CONTRACTOR UPON REQUEST.
  - 2.) SEDIMENT TRAP SHALL BE UTILIZED DURING CONSTRUCTION AND OPERATION OF THE LAYDOWN AREA. SEDIMENT TRAP CAN BE REMOVED ONCE LAYDOWN AREA HAS BEEN RESTORED TO EXISTING USE.
  - 3.) TOPSOIL:
    - +ASSUMED TOPSOIL DEPTH 8"
    - +REMOVE TOPSOIL FROM DISTURBED AREA—TOPSOIL STOCKPILE FOOTPRINTS (1-22.6-1.7=20.946)
    - +VOLUME OF TOPSOIL TO BE REMOVED: 608,936 CF
    - +PROVIDE TWO STOCKPILES: TOTAL VOLUME PROVIDED 616,000 CF
  - 4.) PAVEMENT OF THE LAYDOWN AREA SHALL BE AS SHOWN ON DETAIL 19 DT-001|DT-006



NOTE: AS AN ALTERNATIVE AN EQUIVALENT SEDIMENT TRAP CAN BE CONSTRUCTED AS PART OF THE WETLAND MITIGATION PROJECT/AREA. THE TRAP MUST REMAIN IN PLACE DURING THE ENTIRE CONSTRUCTION OF THE LAYDOWN YARD AND HAVE APPROPRIATE GULLET CONTROLS (SEE DETAIL) UPON FINALIZATION OF THE LOCATION. THE TRAP MAY NEED TO BE RESIZED DUE TO A MODIFIED CONTRIBUTING DRAINAGE AREA.

INSTALL RIPRAP OUTLET SEDIMENT TRAP (#3) 4'0" X 100' L X 53" W (21,530 CF MIN. STORAGE VOLUME)

DIRECT SWALE TO SEDIMENT TRAP. INSTALL CHECK DAMS AS NECESSARY.

**ISSUED FOR CONSTRUCTION**

SCALE IN FEET

L:\1174823\CONSTRUCTION DWGS REV1\1174823-118.dwg 1st 8/21/08-1 RJK

| NO. | DATE  | BY  | DESCRIPTION                            |
|-----|-------|-----|--|
| 2   | 09/08 | ELB | ISSUED FOR CONSTRUCTION                |
| 1   | 06/08 | RW  | ADDED REFERENCE TO PERMIT REQUIREMENTS |
| 0   | 03/08 | ELB | ISSUED FOR BID                         |

DESIGNED BY: MJR  
 DRAWN BY: MJR  
 CHECKED BY: RAH  
 PROJ. ENGR. MJW

**URS Corporation**  
 New York  
 77 Goodell Street, Buffalo, New York 14203  
 (716) 836-5636 • (716) 836-2545 fax

JOB NO. 11174823

**MARBLE RIVER, LLC**  
 62 JAMES STREET  
 ALBANY, NEW YORK 12207

**CONSTRUCTION DRAWINGS FOR MARBLE RIVER WIND FARM**  
 CLINTON COUNTY NEW YORK

**LAYDOWN AREA GRADING, EROSION AND SEDIMENT CONTROL PLAN**  
 Scale: AS SHOWN Date: JAN. 2008 **C-118**