

Michael W. Klemens, LLC
POB 432
Falls Village, CT 06031
July 13, 2015

Melanie Bachman
Acting Executive Director
CT Siting Council
Via Email to Siting.Council@CT.gov

Dear Ms. Bachman:

Please find enclosed the ninety-fourth bi weekly third party environmental monitoring reports prepared by Lenard Engineering of the Colebrook South Site Wind Turbine Site (Petition 983) as well as the DEEP June storm water reports. There are also two addendum reports to the 94th bi-weekly report which detail some problems that have been promptly remediated. The areas that have been cleared have been done in accordance with the plans and conform to the conservation plan for the protection of the cryptic vernal pools documented within Wetland One. We are continuing our bi-weekly monitoring of site conditions. If you require additional information, please do not hesitate to contact me.

Sincerely,



Michael W. Klemens, PhD
860-824-8185 (land)
203-448-8068 (mobile)



Lenard Engineering Inc. Civil, Environmental, and Hydrogeological Consultants

140 Willow Street – Suite #8 Winsted, CT 06098

Tel: 860-379-6669

Fax: 860-738-1272

Memorandum

To: Dr. Michael Klemens

From: Roger Hurlbut *Roger Hurlbut*

Date: July 10, 2015

Re: BNE Wind Colebrook South

Attached are CT Siting Council environmental erosion and sediment control monitoring reports numbers 216 and 217 for the period June 27, 2015 thru July 10, 2015.

Work is progressing and they have been attentive to installing S&E controls as necessary.

CC Greg Zupkus, BNE Energy

Sam McGriff, Ryan Company

General Information			
Project Name:	Wind Colebrook South		
Location:	Winsted- Norfolk Road Colebrook, Connecticut		
CT DEP Tracking No.	CSC Petition 983 CT GSN 002270	Report No.	216
Date of Inspection:	July 1, 2015	Start / End Time:	7:00AM to 8:30AM
Inspector's Name(s):	Roger Hurlbut		
Inspector's Title(s):	Project Engineer		
Inspector's Contact Information:	LENARD ENGINEERING INC 860 379-6669 office		
Describe present phase of construction:	<p>Contractor constructing roadway & tower bases</p> <p>Sediment and Erosion controls in place and functioning properly.</p> <p>No discharges to west (vicinity of pond & vernal pools)</p> <p>Minor discharge of sediment onto Town road. Grassed road side swale prevented sediment from getting to stream. Per discussion with S McGriff, Additional stone & woodchip controls will be installed.</p> <p>Erosion along swale on uphill side of access road. Per discussion with S McGriff, haybale check dams will be installed.</p>		
Type of Inspection:	<input type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input checked="" type="checkbox"/> Post-storm event		
Weather Information			
Has it rained since the last inspection?			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, provide:			
Storm Start Date & Time 7/1/15 1:30AM Storm Duration: 6 hrs Approximate Rainfall >1 in. Max rate 3-4 in/hr at 6AM			
Weather at time of this inspection? 62°F overcast/drizzle			
Discharge Information			
Do you suspect that discharges may have occurred since the last inspection?			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Are there any discharges at the time of inspection?			
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Describe location of any discharges from the site: Town road at base of hill adjacent to electric trench -.			



Temporary Sediment basin# 2, functioning as designed



General Information			
Project Name:	Wind Colebrook South		
Location:	Winsted- Norfolk Road Colebrook, Connecticut		
CT DEP Tracking No.	CSC Petition 983 CT GSN 002270	Report No.	217
Date of Inspection:	July 10, 2015	Start / End Time:	7:00AM to 9:AM
Inspector's Name(s):	Roger Hurlbut		
Inspector's Title(s):	Project Engineer		
Inspector's Contact Information:	LENARD ENGINEERING INC 860 379-6669 office		
Describe present phase of construction:	Contractor constructing roadway & tower base areas Sediment and Erosion controls in place and functioning properly.		
Type of Inspection:	<input type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input checked="" type="checkbox"/> Post-storm event		
Weather Information			
Has it rained since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, provide: Storm Start Date & Time 7/9/15 8:30PM Storm Duration: 4 hrs Approximate Rainfall 0.5.			
Weather at time of this inspection? 62°F overcast/drizzle			
Discharge Information			
Do you suspect that discharges may have occurred since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Describe location of any discharges from the site: -.			



Memorandum

To: Greg Zupkus, Dr. Michael Klemens
From: Roger Hurlbut *Roger Hurlbut*
Date: July 1, 2015
Re: BNE Wind Colebrook South

As a result of recent observations, I have concerns about the stability of two of the sediment/detentions basins. These are not emergency conditions, but do need to be addressed.

- TST #1 (by entrance to the site from Flagg Hill Road)

The outlet and emergency spillway have not been installed and at present the pond is filling up and not or very slowly draining. This presents a potential erosion and sediment problem and a safety hazard. Continued filling could breach or overtop the berm causing a significant loss of material and discharge of silt laden water. The impoundment level should be lowered. During lowering of the water level, care should be taken to prevent discharge of silty water. It may be necessary to pump the water into a settling basin prior to allowing it to flowing to the stream. The outlet and emergency spillway should be installed as soon as possible.
- Infiltration basin #2 (vicinity of Tower #1)

Visible sink holes in the bottom, around the outlet structure and localized subsidence of the embankment would appear to indicate that piping of embankment material may be occurring. Water has been observed discharging alongside the outlet conduit and not through it. The embankment and outlet structure were installed very late in the season and it is possible that clumps of frozen material were present during the construction. These conditions should be investigated and corrected prior to the utilizing the basin.

CC Sam McGriff, Ryan Company

General Information			
Project Name:	Wind Colebrook South		
Location:	Winsted- Norfolk Road Colebrook, Connecticut		
CT DEP Tracking No.	CSC Petition 983 CT GSN 002270	Report No.	216
Date of Inspection:	July 1, 2015	Start / End Time:	7:00AM to 8:30AM
Inspector's Name(s):	Roger Hurlbut		
Inspector's Title(s):	Project Engineer		
Inspector's Contact Information:	LENARD ENGINEERING INC 860 379-6669 office		
Describe present phase of construction:	<p>Contractor constructing roadway & tower bases</p> <p>Sediment and Erosion controls in place and functioning properly.</p> <p>No discharges to west (vicinity of pond & vernal pools)</p> <p>Minor discharge of sediment onto Town road. Grassed road side swale prevented sediment from getting to stream. Per discussion with S McGriff, Additional stone & woodchip controls will be installed.</p> <p>Erosion along swale on uphill side of access road. Per discussion with S McGriff, haybale check dams will be installed.</p>		
Type of Inspection:	<input type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input checked="" type="checkbox"/> Post-storm event		
Weather Information			
Has it rained since the last inspection?			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, provide:			
Storm Start Date & Time 7/1/15 1:30AM Storm Duration: 6 hrs Approximate Rainfall >1 in. Max rate 3-4 in/hr at 6AM			
Weather at time of this inspection? 62°F overcast/drizzle			
Discharge Information			
Do you suspect that discharges may have occurred since the last inspection?			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Are there any discharges at the time of inspection?			
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Describe location of any discharges from the site: Town road at base of hill adjacent to electric trench -.			

General Information			
Project Name:	Wind Colebrook South		
Location:	Winsted- Norfolk Road Colebrook, Connecticut		
CT DEP Tracking No.	CSC Petition 983 CT GSN 002270	Report No.	215
Date of Inspection:	June 29, 2015	Start / End Time:	7:00AM to 8:00AM
Inspector's Name(s):	Roger Hurlbut		
Inspector's Title(s):	Project Engineer		
Inspector's Contact Information:	LENARD ENGINEERING INC 860 379-6669 office		
Describe present phase of construction:	<p>Contractor constructing roadway & tower bases preparations</p> <p>Sediment and Erosion controls in place and functioning properly. All sediment contained by silt fencing around disturbed areas or Temporary Sediment Basins Runoff from site was clear.</p>		
Type of Inspection:	<input type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input checked="" type="checkbox"/> Post-storm event		
Weather Information			
Has it rained since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, provide: Storm Start Date & Time 6-27-3:30 Storm Duration: >36 hrs Approximate Rainfall >1.6 in			
Weather at time of this inspection? 54°F overcast/drizzle			
Discharge Information			
Do you suspect that discharges may have occurred since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Describe location of any discharges from the site:			

INSPECTOR CERTIFICATION

Project:	Wind Colebrook South
Project Location:	Winsted- Norfolk Road Colebrook CT
Contractor:	Denovo Construction
Address:	100 S Wacker Drive, STE LL1-50 Chicago, Il. 60606 <i>Michael Vails, Site Manager</i>
Phone:	Cell at site 312-806-2433
Fax:	312-733-9566

CONSTRUCTION INSPECTION & MAINTENANCE LOG

Date	Activity	Description	(1) Report No.
6-1-2015	<input checked="" type="checkbox"/> Inspection <input type="checkbox"/> Maintenance	By R Hurlbut LEI	Siting Council #208
6-2-2015	<input checked="" type="checkbox"/> Inspection <input type="checkbox"/> Maintenance	By: R Hurlbut LEI	Siting Council #209
6-11-2015	<input checked="" type="checkbox"/> Inspection <input type="checkbox"/> Maintenance	By: R Hurlbut LEI	Siting Council #210
6-15-2015	<input checked="" type="checkbox"/> Inspection <input type="checkbox"/> Maintenance	By: R Hurlbut LEI	Siting Council #211
6-21-2015	<input checked="" type="checkbox"/> Inspection <input type="checkbox"/> Maintenance	By: R Hurlbut LEI	Siting Council #212
6-24-2015	<input checked="" type="checkbox"/> Inspection <input type="checkbox"/> Maintenance	By: R Hurlbut LEI	Siting Council #213
6-26-2015	<input checked="" type="checkbox"/> Inspection <input type="checkbox"/> Maintenance	By: R Hurlbut LEI	Siting Council #214
6-29-2015	<input checked="" type="checkbox"/> Inspection <input type="checkbox"/> Maintenance	By: R Hurlbut LEI	Siting Council #215
	<input type="checkbox"/> Inspection <input type="checkbox"/> Maintenance		
	<input type="checkbox"/> Inspection <input type="checkbox"/> Maintenance		
	<input type="checkbox"/> Inspection <input type="checkbox"/> Maintenance		
	<input type="checkbox"/> Inspection <input type="checkbox"/> Maintenance		
	<input type="checkbox"/> Inspection <input type="checkbox"/> Maintenance		
	<input type="checkbox"/> Inspection <input type="checkbox"/> Maintenance		
	<input type="checkbox"/> Inspection <input type="checkbox"/> Maintenance		

SITE-SPECIFIC BMPs

(B)	BMP Description	BMP Installed and Operating Properly?	Corrective Action Needed	Date for corrective action / responsible party
1	Anti Tracking Pad	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	None - new tracking pad installed at entrance off Flag Hill Rd	5/1/15 Denovo
2	Sediment & Erosion Control Barriers around perimeter of site	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Fence has been cut or lowered in stabilized areas to allow movement of animals	None necessary
3	Temp Sediment Basins	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Stable and functioning	None necessary
4	Sediment & Erosion Control Barriers	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	New Fencing has been installed around active areas	
5	Temp ground cover	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Non active surfaces are stable	
6		<input type="checkbox"/> Yes <input type="checkbox"/> No		
7		<input type="checkbox"/> Yes <input type="checkbox"/> No		
8		<input type="checkbox"/> Yes <input type="checkbox"/> No		
9		<input type="checkbox"/> Yes <input type="checkbox"/> No		
10		<input type="checkbox"/> Yes <input type="checkbox"/> No		
11		<input type="checkbox"/> Yes <input type="checkbox"/> No		
12		<input type="checkbox"/> Yes <input type="checkbox"/> No		
13		<input type="checkbox"/> Yes <input type="checkbox"/> No		
14		<input type="checkbox"/> Yes <input type="checkbox"/> No		
15		<input type="checkbox"/> Yes <input type="checkbox"/> No		
17		<input type="checkbox"/> Yes <input type="checkbox"/> No		
18		<input type="checkbox"/> Yes <input type="checkbox"/> No		

OVERALL SITE ISSUES

(C)	BMP/activity	Implemented?	Maintained?	Corrective Action	Date for corrective action/responsible person
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
4	Are discharge points and receiving waters free of sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Nothing installed yet	N/A
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

(C)	BMP/activity	Implemented?	Maintained?	Corrective Action	Date for corrective action/responsible person
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
11	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
12	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
13	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

GENERAL INSPECTION COMMENTS AND EXPLANATION

General Inspection Comments (D)

Site work is being undertaken in vicinity of Tower 1 & 2 locations and access road Bases for the towers have been constructed

Is other descriptive information attached to this inspection report?

Yes No

Plan Information (E)

Were all current plan BMP's in place at the time of inspection?

Yes No

Are additional BMP's required?

Yes No *Additional S&E added along power access cleared area*

Does the plan need to be updated?

Yes No

Explanation of additional BMP and Plan update requirements:

Name: Roger Hurlbut

(Please print) Roger Hurlbut
Signature:

Title: Independent(3rd party) Inspector Date: 7/2/2015



**Connecticut Department of
Energy & Environmental Protection**
Bureau of Materials Management & Compliance Assurance
Water Permitting & Enforcement Division

**General Permit for the Discharge of Stormwater and Dewatering Wastewaters from
Construction Activities, issued 8/21/13, effective 10/1/13
Stormwater Monitoring Report**

SITE INFORMATION

Permittee: BNE Energy

Mailing Address: 29 South Main Street, Town Center, Suite 200, West Hartford, CT 06107

Business Phone: (800) 450-0503 ext.: _____ Fax: _____

Contact Person: _____ Title: _____

Site Name: Wind Colebrook South

Site Address: 17 & 29 Flagg Hill Rd, Colebrook, CT

Receiving Water (name, basin): Farmington 4302

Stormwater Permit No. GSN 002270

SAMPLING INFORMATION (Submit a separate form for each outfall)

Outfall Designation: _____ Date/Time Collected: _____

Outfall Location(s) (lat/lon or map link): _____

Person Collecting Sample: No sample collected All runoff from site was clear - S&E controls functioning properly

Storm Magnitude (inches): _____ Storm Duration (hours): _____

Size of Disturbed Area at any time: 12 Acres

MONITORING RESULTS

Sample #	Parameter	Method	Results (units)	Laboratory (if applicable)
1	Turbidity		Clear runoff June 2015	
2	Turbidity		Clear runoff June 2015	
3	Turbidity		Clear runoff June 2015	
4	Turbidity		Clear runoff June 2015	

(provide an attachment if more than 4 samples were taken for this outfall)

Avg = _____

STATEMENT OF ACKNOWLEDGMENT

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Authorized Official: _____

Signature: _____ Date: _____

Please send completed form to:

DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
BUREAU OF MATERIALS MANAGEMENT AND COMPLIANCE ASSURANCE
79 ELM STREET
HARTFORD, CT 06106-5127
ATTN: NEAL WILLIAMS