

Docket No. 272 – Development and Management Plan Inspection

The Connecticut Light and Power Company Certificate of Environmental Compatibility and Public Need for the construction of a new 345-kV electric transmission line and associated facilities between Scovill Rock Switching Station in Middletown and Norwalk Substation in Norwalk, Connecticut, including reconstruction of portions of existing 115-kV and 345-kV electric transmission line, the construction of Beseck Switching Station in Wallingford, East Devon Substation in Milford, (and Singer Substation in Bridgeport), modifications at Scovill Rock Switching Station and Norwalk Substation, and the reconfiguration of certain interconnections.

Beseck Switching Station Inspection

Date: October 5, 2006

Inspector: Matthew Creighton

Location: Beseck Switching Station

Rainfall: New Haven, CT, reported 1.06" total rain from 10/1 – 10/5 with 0.79" on 10/1. Report from Accuweather.com (Data from NOAA is still incomplete)

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	All truck traffic leaving the site is using stone entrance on east side. Sediment/dust tracking was visible on Carpenter Lane. 10/5/06	Continue to clean/refresh stone construction entrance. Continue to keep roadway clear of stone. Clean gutter by hand to remove buildup. 10/5/06	Stone continues to be pulled back from roadway and refreshed with new stone. But still needs attention
	Equipment has done some damage to the road surface. 8/24-10/5/06	Clean and repair road surface as needed. 8/24-10/5/06	Needs attention when feasible
	Trucks have been entering the site from the western driveway; no sediment or road damage was noted here. 10/5/06	Monitor road and erosion controls in driveway for sediment accumulation and damage; clean and repair as needed. 10/5/06	NA
	Haybales remain at the edge of the entrance pad and were placed across the new western site entrance. 10/5/06	Continue to monitor the stormwater leaving the site; replace controls as needed. 10/5/06	Haybale barrier was placed across the new site entrance.
	Silt barrier liners in CBs should be replaced. 10/5/06	Continue to monitor and maintain liners as needed. See Erosion Control Section. 10/5/06	NA
Foundation and site construction	Grading onsite continues; excavation in the north, filling in the south. 10/5/06	Erosion controls may need to be adjusted as grading changes. 10/5/06	NA
	Construction of	Contractor continues to	NA

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	<p>permanent detention basins continues. The basin slope adjacent to the site entrance is in place. 10/5/06</p>	<p>make efforts to minimize stormwater impacts. 10/5/06</p>	
<p>Erosion and sediment controls</p>	<p>Silt fence is secure and well-maintained. South and east sides are reinforced with bark mulch. 10/5/06</p> <p>Section of silt fence was removed along the south side of the site with the construction of the new site entrance. Haybales have been installed across the entrance for control in this area. 10/5/06</p> <p>Haybales installed across west driveway were moved for truck access, but are replaced daily. Stone berms along the driveway were disturbed by trucks. Water bar on driveway was also slightly disturbed, but appears functional. 10/5/06</p> <p>The temporary settling basin has been largely filled in the process of constructing permanent detention basins. Filter fabric controls over and around the drain inlets remain in place. 9/29-10/5/06</p> <p>Haybales at the outlet drain across Carpenter Lane looked secure, however, sediment-laden water remained at the pipe outlet and highly turbid water is also observable in the wetland. 10/5/06</p> <p>Current BMPs used to</p>	<p>Continue to inspect and maintain silt fence throughout site and repair as needed. 10/5/06</p> <p>Monitor haybales and repair or replace as needed. 10/5/06</p> <p>Continue to maintain as necessary. 10/5/06</p> <p>If pumping of standing water/ drainage basin is needed in the future, monitor closely, and do not leave pump unattended. 9/29-10/5/06</p> <p>Sediment should continue to be removed from the outlet pipe and the haybales inspected and replaced as needed. Additional controls are needed somewhere along the system to prevent turbidity to the wetland 10/5/06</p> <p>Several new methods of</p>	<p>NA</p> <p>Haybales installed.</p> <p>NA</p> <p>NA</p> <p>Needs attention</p> <p>Needs attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>prevent turbidity and sedimentation to the wetland need improvement as these events continue to occur. Other sediment and erosion control measures should be considered. Haybales at outlet pipe are the last line of defense and cannot effectively filter the existing sediment load. 10/5/06</p> <p>New CBs remain protected and covered with filter fabric. Fabric should be replaced as needed if obstructed by sediment. 10/5/06</p> <p>New grass growth was noted at southern site slope along Carpenter Lane. 10/5/06</p>	<p>removing sediment from storm water should be evaluated and an effective solution should be established and set in place (i.e. stabilization of exposed soils, additional drain inlet protection, flocculants, additional attention to the roadway etc.). 10/5/06</p> <p>Inspect and maintain CB protections as needed. 10/5/06</p> <p>Continue to seed any remaining areas soon – fall seeding should generally be completed by October 15th. 10/5/06</p>	<p>NA</p> <p>NA</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Wetlands on east side of site were clean and well protected. 10/5/06</p> <p>The wetlands across Carpenter Lane have received additional sediment accumulation and highly turbid water since the last inspection. The outlet pipe contained standing turbid water. These turbidity events are common and additional controls are needed to protect the wetland 10/5/06</p>	<p>Continue to monitor. 10/5/06</p> <p>Sediment accumulated in the wetland does not warrant removal yet. (It will have to be evaluated after sediment settles out) If pumping of standing water on site is required, monitor pipe outlet to ensure sediment does not bypass haybales. Additional controls are needed at some point along the system to prevent sediment from entering the wetland 10/5/06</p>	<p>NA</p> <p>Needs attention</p>
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&M plan, state-listed species are not located in this work area.</p>	<p>None 10/5/06</p>	<p>NA</p>
<p>Vegetative clearing or stabilization</p>	<p>Grass growth was noted on the compacted soil in</p>	<p>Stockpiles should continue to be located</p>	<p>Grass is starting to grow in seeded areas.</p>

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	<p>the old Zolnik property. The northern slope has been hydroseeded and hay mats remain in place. Southern slopes show signs of seed germination and have been watered in some areas. 10/5/06</p> <p>In general, the recommended fall seeding season ends Oct. 15th. 10/5/06</p>	<p>away from the road and drains. Place seed for temporary stabilization of any stockpiles that will remain in place for more than 14 days. Consider watering new growth if necessary. 10/5/06</p> <p>Attempt to seed temporarily or permanently inactive areas prior to October 15th. 10/5/06</p>	<p>NA</p>
<p>Dewatering</p>	<p>If dewatering is required, any pumping must be monitored to prevent sedimentation of wetland. 10/5/06</p>	<p>If dewatering is required, pumping must be monitored, or consider alternatives such as a vacuum truck to remove water from site if needed. 10/5/06</p>	<p>NA</p>
<p>Blasting</p>	<p>All blasting was complete as of 9/7/06</p> <p>Rock crushing and loam screening are occurring and materials are being removed or used on site. Rock crushing and screening and truck traffic are creating dust. 10/5/06</p>	<p>None 10/5/06</p> <p>Monitor dust generation and moisten soil as needed. 8/17/06-10/5/06</p>	<p>NA</p> <p>Needs attention</p>
<p>Spills, soils and material storage</p>	<p>Several large piles of soil will be removed from the site; remaining soil will stay onsite as fill. 10/5/06</p> <p>Large expanses of disturbed soil on site will continue to make sediment attenuation difficult at stormwater inlet areas. Any areas that will be unworked for several weeks should be stabilized. 10/5/06</p> <p>Spill cleanup materials were available on site and are being used and restocked as needed. 10/5/06</p>	<p>Soils appear to be handled appropriately. 10/5/06</p> <p>Consider placing seed, straw, mulch, or stone as a temporary stabilization measure to reduce sediment loads where work is not actively occurring or not expected to occur for 14 days. 10/5/06</p> <p>Always use spill control materials when working on equipment and during refueling 10/5/06</p>	<p>NA</p> <p>Hydroseeding and hay mats are being used in some completed areas.</p> <p>NA</p>

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Additional Observations	NA	NA	NA

Next likely scheduled inspection: Thursday October 12, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and 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, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Field Inspector: Matthew Creighton

Reviewer: Diana Walden, Stephen Herzog



New, permanent site entrance installed on west side, with haybale barrier in place along Carpenter Lane.



Carpenter Lane has some sediment tracking but is being swept regularly. New grass growth was noted on southern slopes.



New haybales at base of detention basin slope near site entrance.



Detention pond under construction.



New perimeter fence installation along the western boundary of the site.



New site entrance near old Zolnik driveway.



Turbid water continues to be present in the storm drain outlet.



Wetland continues to receive turbid water from the outlet.