

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: September 7, 2006

Inspector: Matthew Creighton

Location: Beseck Switching Station

Rainfall: 0.74" of rain between 9/1-9/6, with 0.44" on 9/3, as reported at Meriden CT (NOAA)

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	All truck traffic is using stone entrance on east side. Some minor run-off/tracking was noted even with the wheel wash and the stone could use some cleaning. 9/7/06	Continue to clean/refresh stone construction entrance. Continue to keep Carpenter Lane clear of stone. 9/7/06	Stone continues to be pulled back from roadway as needed.
	Small settling area was created from recent rains near the stone entrance, which cleans truck wheels before leaving the site. 9/7/06	Monitor water level and clean stone as needed. 9/7/06	Water is used to clean truck wheels, clean stone added.
	Street sweeping continues regularly at the site. 9/7/06	Street sweeping should continue to be performed and soil removed from the gutter, by hand if necessary. 9/7/06	Sweeping continues.
	Equipment has done some damage to the road surface. 8/24-9/7/06	Clean and repair road surface as needed. 8/24-9/7/06	Needs attention when feasible
	Haybales remain at the edge of the entrance pad, with small stones at the corners of the catch basins (CBs) to secure the filter fabric. 9/7/06	Continue to monitor the stormwater leaving the site and replace erosion controls as needed. 9/7/06	Haybales are placed across the stone entrance prior to any rain event.
	Silt barrier liners in CBs should be replaced. 9/7/06	Continue to monitor and maintain liners as needed. 9/7/06	Silt liners should be replaced.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Foundation and site construction	<p>Grading onsite continues; excavation to the north, filling to the south. 9/7/06</p> <p>Exposed loam remains along Carpenter Lane and between the new block retaining walls. 8/24-9/7/06</p> <p>The new storm drain system is in place. Permanent detention basins have not been established. 9/7/06</p>	<p>Erosion controls may need to be adjusted as grading changes. 9/7/06</p> <p>Seed loamed areas as soon as possible. Monitor carefully for erosion until grass is established. 8/24-9/7/06</p> <p>Contractor continues to make efforts to minimize stormwater impacts; see erosion control section for recommended actions. 9/7/06</p>	<p>NA</p> <p>Needs attention when feasible.</p> <p>NA</p>
Erosion and sediment controls	<p>Silt fence is secure and well-maintained. South and east sides are reinforced with bark mulch. 9/7/06</p> <p>Pumping the settling area has stopped and water is slowly settling out of the storm water outlet across Carpenter Lane. 9/7/06</p> <p>Haybales at drain outlet across Carpenter Lane filter turbid water, but are degrading due to prior frequent pumping. Wetland contains suspended sediment. 9/7/06</p> <p>New CBs remain protected and covered with filter fabric. 9/7/06</p> <p>Temporary settling area remains in the southwest portion of site. 9/7/06</p> <p>Temporary settling area remains within the gravel driveway, which is used to wash truck wheels prior to leaving the site. New stone was added. 9/7/06</p>	<p>Continue to inspect and maintain silt fence throughout site and repair as needed. 9/7/06</p> <p>If pumping is need in the future monitor closely and use a vacuum truck if needed. 9/7/06</p> <p>Once settled, sediment should be removed and haybales inspected and replaced as needed. 9/7/06</p> <p>Inspect and maintain CB protection</p> <p>Area currently holds standing water. 9/7/06</p> <p>Areas currently hold standing water. As wheel wash area dries, continue to clean sediment from stone to prevent tracking onto roadway. 9/7/06</p>	<p>NA.</p> <p>Water being pumped from settling area has stopped.</p> <p>Needs evaluation</p> <p>NA</p> <p>NA</p> <p>Maintain wheel wash area and add new stone to entrance.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Erosion and sediment controls (continued)	<p>Haybales remain at the end of the driveway to reduce sediment from entrance pad. 9/7/06</p> <p>New haybales were installed across old Zolnik driveway. Stone berms were in place along the driveway for added filtration. 9/7/06</p> <p>Stormwater controls have changed in response to grading and recent rain events; stabilize areas expected to remain unworked for more than 14 days. 9/7/06</p>	<p>Continue to maintain as necessary. 9/7/06</p> <p>Continue to monitor. 9/7/06</p> <p>Additional stabilization of open areas with seed, mulch, or straw should be considered to help reduce sediment loads in run-off (as applicable). 7/13-9/7/06.</p>	<p>NA</p> <p>New haybales added, deteriorated haybales removed.</p> <p>Continue to evaluate.</p>
Inland Wetland and Watercourse encroachment and mitigation	<p>Wetlands on east side of site were clean and well protected. 9/7/06</p> <p>The wetlands across Carpenter Lane have additional sediment accumulation and turbid water due to pumping from the settling basin overwhelming the existing controls. 9/7/06</p>	<p>Continue to monitor. 9/7/06</p> <p>Allow water to filter out completely and perform necessary sediment removal and haybale inspection/ replacement. 9/7/06</p>	<p>NA</p> <p>Needs evaluation.</p>
State species of concern, threatened and endangered species.	<p>According to the D&M plan, state-listed species are not located in this work area.</p>	<p>None 9/7/06</p>	<p>NA</p>
Vegetative clearing or stabilization	<p>All vegetative clearing was complete as of 6/8/06</p> <p>Grass growth is present at the soil stockpiles along western driveway and in the southeastern area. Growth was also noted on the compacted soil in the old Zolnik property. Some vegetation has started to grow along the northern slope. 9/7/06</p>	<p>None 9/7/06</p> <p>Stockpiles should continue to be located away from the road and drains. Place seed for temporary stabilization of any stockpiles that will remain in place for more than 14 days 9/7/06 Consider watering new growth if necessary.</p>	<p>NA</p> <p>Temperatures have cooled and vegetation is growing naturally in some areas.</p>
Dewatering	<p>Dewatering of the larger settling basin has stopped for now. See Erosion control section for details. 9/7/06</p>	<p>Establish a schedule for pumping. Also, consider using a vacuum truck to remove water from site. 9/7/06</p>	<p>Pumping has stopped.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Blasting	Blasting has ended. 9/7/06	None 9/7/06	NA
	Rock crushing and loam screening are occurring and materials are being removed or used on site. 9/7/06	Monitor dust, and moisten soil as needed. 8/17/06-9/7/06	NA
Spills, soils and material storage	Several large piles of new soil will be removed from the site. The remaining soil will stay onsite for use as fill. 9/7/06	Soils appear to be handled appropriately. 9/7/06	NA
	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. 9/7/06	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. 9/7/06	Needs evaluation for feasibility.
	Spill cleanup materials were available on site and are being restocked as needed. 9/7/06	Always use spill control materials when working on equipment and during refueling. 9/7/06	NA
Additional Observations	NA	NA	NA

Next likely scheduled inspection: Wednesday September 13, 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



Crushed stone construction entrance pad needs cleaning. Runoff into Carpenter Lane contains sediment; and some tracking and minor road damage were noted. The road should continue to be cleaned and swept, including the gutters, by hand if necessary.



New stone was added at wheel wash area; this area is helping to reduce sediment tracking on Carpenter Lane.



Major grading operations looking from northwest to southeast.



Detention pond/settling area retaining stormwater run-off. Large stockpiles are also present.



New haybale line across old Zolnik driveway, western slope is vegetated.



Loamed area adjacent to the finished retaining walls should be seeded soon.



Sediment-laden water being flushed from the storm drain system and filtered before entering wetlands. Water pumping has stopped for the time.



Turbid standing water is now present in the wetland again due to overflow from the outlet.