

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: August 31, 2006

Inspector: Matthew Creighton

Location: Beseck Switching Station

Rainfall: 3.49" of rain between 8/24-8/30, with 1.28" on 8/25, 1.31" on 8/27, and 0.83 on 8/29, 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 (clean). New stone is regularly pulled back from the road. 8/31/06	Continue to clean/refresh stone construction entrance. Continue to keep Carpenter Lane clear of stone. 8/31/06	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. Soil has built up on stone and is being tracked by trucks. 8/31/06	Monitor water levels and clean stone as needed. 8/31/06	Water was used to clean truck wheels but stone needs some attention.
	Street sweeping continues at the site, some sediment has accumulated along the edge (gutter) of Carpenter Lane. 8/31/06	Street sweeping should continue to be performed and soil removed from the gutter, by hand if necessary. 8/31/06	Needs attention.
	Equipment has done some damage to the road surface. 8/24-8/31/06	Clean and repair road surface as needed. 8/24-8/31/06	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. 8/31/06	Continue to monitor the stormwater leaving the site and replace erosion controls as needed. 8/31/06	Haybales are placed across the stone entrance prior to any rain event.
	Silt barrier liners in CBs	Continue to monitor and	Silt liners were

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	were recently replaced. 8/31/06	maintain liners as needed. 8/31/06	replaced.
Foundation and site construction	<p>Grading onsite continues; blasting and excavation to the north, filling to the south. Work is ongoing to grade a new site access drive. 8/31/06</p> <p>Exposed loam remains along Carpenter Lane and between the new block retaining walls. 8/24-8/31/06</p> <p>The new storm drain system is in place. Permanent detention basins have not been established. 8/31/06</p>	<p>Erosion controls may need to be adjusted as grading changes. 8/31/06</p> <p>Seed loamed areas as soon as possible. Monitor carefully for erosion until grass is established. 8/24-8/31/06</p> <p>Contractor continues to make efforts to minimize stormwater impacts; see erosion control section for recommended actions. 8/31/06</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. 8/31/06</p> <p>The settling basin north of inlet is reaching holding capacity and is being pumped into a sand bag filter and released into the CB to prevent overflow. This also serves to flush existing accumulated sediment from the system. 8/31/06</p> <p>Haybales are used at the outlet across Carpenter Lane to filter turbid water before entering the wetland. Water levels are too high at outlet due to pumping and turbid water is overflowing into the wetland. Haybales are also degrading quickly. 8/31/06</p> <p>New CBs remain</p>	<p>Continue to inspect and maintain silt fence throughout site and repair as needed. 8/31/06</p> <p>This is overwhelming the established controls. Set a schedule for water pumping that allows the water to flush the system and settle/filter prior to overflowing or consider removing some of the water from the settling basin with a vac truck 8/31/06</p> <p>Once settled, sediment should be removed and haybales inspected and changed as needed. Set and maintain schedule throughout pumping. 8/31/06.</p> <p>Inspect and maintain CB</p>	<p>NA.</p> <p>Water is being pumped from settling area prior to overflow but this needs more evaluation.</p> <p>Needs evaluation</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Erosion and sediment controls (continued)</p>	<p>protected and covered with filter fabric. 8/31/06</p> <p>Temporary settling area remains in the southwest portion of site. 8/31/06</p> <p>Two new temporary settling areas were installed due to recent rain events - one to the north, which is stable, and one within the gravel driveway, which is used to wash truck wheels prior to leaving the site. 8/31/06</p> <p>Haybales remain at the end of the driveway to reduce sediment from entrance pad. 8/31/06</p> <p>Haybales were removed from the old Zolnik driveway for access by the blasting truck. Stone berms were in place along the driveway for added filtration. 7/6-8/31/06</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. 8/31/06</p>	<p>protection</p> <p>Area currently holds standing water. 8/31/06</p> <p>Areas currently hold standing water. As wheel wash area dries, clean sediment from stone to prevent tracking onto roadway. 8/31/06</p> <p>Continue to maintain as necessary. 8/31/06</p> <p>Replace haybales at the end of the day and continue to monitor. 8/31/06</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). 7/13-8/31/06.</p>	<p>NA</p> <p>New settling area and wheel wash area added.</p> <p>NA</p> <p>NA</p> <p>The new settling areas were added. Continue to evaluate.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Wetlands on east side of site were clean and well protected. 8/31/06</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. 8/31/06</p>	<p>Continue to monitor. 8/31/06</p> <p>Create a pumping schedule that protects the wetland. Perform necessary sediment removal and haybale inspection/ replacement. 8/31/06</p>	<p>NA</p> <p>Needs evaluation.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
State species of concern, threatened and endangered species.	According to the D&M plan, state-listed species are not located in this work area.	None 8/31/06	NA
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. Grass growth was also noted on the compacted soil within the old Zolnik property. Some vegetation has started to grow along the northern slope. 8/31/06</p>	<p>None 8/31/06</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 8/31/06 Consider watering new growth if necessary.</p>	<p>NA</p> <p>Temperatures have cooled and vegetation is growing naturally in some areas.</p>
Dewatering	Dewatering of the larger settling basin is underway. Water is being pumped, filtered and released in the new CB system. See Erosion control section for details. 8/31/06	Establish a schedule for pumping and maintenance. See Erosion Control section for recommended actions. Also, consider using a vac truck to remove water from site. 8/31/06	NA
Blasting	<p>Blasting continues; blast areas are first covered by rubber containment mats. Blasting will continue through the beginning of next week. 8/31/06</p> <p>Rock crushing and loam screening are occurring and materials are being removed or used on site. 8/31/06</p>	<p>Caution should continue to be taken that no blast material is allowed to leave the site. 8/31/06</p> <p>Monitor dust formation and wet soil as needed. 8/17/06-8/31/06</p>	<p>Rubber mats prevent material movement.</p> <p>NA</p>
Spills, soils and material storage	<p>Several large piles of new soil will be removed from the site. The remaining soil will stay onsite for use as fill. 8/31/06</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</p>	<p>Soils appear to be handled appropriately. 8/31/06</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.</p>	<p>NA</p> <p>Needs evaluation for feasibility.</p>

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	<p>stabilized. 8/31/06</p> <p>Spill cleanup materials were available on site and are being restocked as needed. 8/31/06</p> <p>Refueling was observed and crews were using good spill prevention. 8/31/06</p>	<p>8/31/06</p> <p>Always use spill control materials when working on equipment and during refueling. 8/31/06</p> <p>None. 8/31/06</p>	<p>NA</p> <p>Spill prevention methods were used proactively.</p>
Additional Observations	NA	NA	NA

Next likely scheduled inspection: Thursday September 7, 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 some tracking and road damage was noted on Carpenter Lane. The road should continue to be cleaned and swept, including the gutters, by hand if necessary.



Clean/remove sediment along the gutter of Carpenter Lane as needed to prevent turbid run-off to the catch basins.



Major grading operations looking from northwest to southeast.



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



Sand bag filter used to clean pumped water for the settling area.



Water being pumped from the settling area.



Sediment filled water being flushed from the storm drain system and overflowing into the wetlands. Haybales cannot contain the present volume.



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