

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: July 20, 2006

Inspector: Matthew Creighton

Location: Beseck Switching Station

Rainfall: Total of 0.39 inches of rain over 7/13-7/19 (with 0.37" on 7/18), 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, additional stone has been placed at entrance, which is fairly clean. However, trucks push some stones off pad and onto the Carpenter Lane. 7/20/06	Continue to check stone construction entrance and clean/refresh stone as needed. Keep Carpenter Lane clear of stone. 7/20/06	A layer of clean stone has replaced the sediment-filled stone in the entrance.
	Street sweeping is being conducted, however some sediment remains along the edge (gutter) of Carpenter Lane and should be removed. 7/20/06	Street sweeping should be continue to be performed and soil should be removed from the gutter when feasible and by hand if necessary. 7/20/06	Street sweeping is occurring but some sediment remains.
	During heavy rains stormwater leaves the site via the stone construction entrance. Haybales were installed at the edge of the entrance, and small stones were placed at the corners of the catch basins (CBs) to hold the filter fabric in place. 7/20/06	Continue to monitor the stormwater leaving the site and replace erosion controls as needed. 7/20/06	Haybales were installed along stone entrance. Small stones were placed at the corners of the CBs.
	Silt barrier liners in CBs have been replaced. 7/20/06	Continue to monitor and maintain liners as needed. 7/20/06	Silt liners are being replaced after storm events.

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Foundation and site construction</p>	<p>Grading onsite continues; blasting and excavation in northern portion, filling in southern portion. 7/20/06</p> <p>Block retaining walls are under construction along south side of site: first section is complete; second section is under construction. 7/20/06</p> <p>New storm drain system is being installed as the site is raised. Contractor has created a basin near inlet pipe to allow water to stand and sediment to settle before entering drain. 7/20/06</p>	<p>Erosion controls may need to be adjusted as grading changes. 7/20/06</p> <p>Grade and seed the south side of the site along Carpenter Lane now that the construction of the first retaining wall section is complete. 7/20/06</p> <p>Contractor continues to make efforts to minimize stormwater impacts; see erosion control section for recommended actions. 7/20/06</p>	<p>NA</p> <p>NA</p> <p>See erosion control section.</p>
<p>Erosion and Sediment Controls</p>	<p>Silt fence is secure and well-maintained. East side reinforced with bark mulch. 7/20/06</p> <p>Damaged section of silt fence along Carpenter Lane was fixed. 7/20/06</p> <p>Storm drain inlet is raised with a settling area north of pipes. New CB onsite is also raised, surrounded by stone, and covered with filter fabric. 7/20/06</p> <p>The small settling area, created to hold accumulating water remains in place. 7/20/06</p> <p>Three layers of haybales were intact across the old Zolnik driveway. Stone berms were in place along the driveway for added filtration. 7/6-7/20/06</p> <p>Stormwater controls should change in response to grading changes; stabilize areas</p>	<p>Continue to inspect and maintain silt fence throughout site and fix as needed. 7/20/06</p> <p>Continue to monitor silt fence and repair as needed. 7/20/06</p> <p>Consider seeding walls of basin to reduce sediment load reaching wetland. 7/6-7/20/06</p> <p>None, area is drying and holds a minimal amount of water. 7/20/06</p> <p>Grass growth was noted on the recently seeded stockpiles. 7/20/06</p> <p>Additional stabilization of open areas with seed, mulch, or straw could be considered in order to</p>	<p>Bark mulch was added for additional control</p> <p>Section of fence was re-stapled.</p> <p>Settling basin was built north of drain inlet and additional controls were added at the road</p> <p>NA</p> <p>Grass growth continues.</p> <p>Needs evaluation</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>expected to remain unworked for more than 14 days; ie. along Carpenter Lane now that first section of wall is finished. 7/20/06</p>	<p>help reduce sediment loads in run-off (as applicable). 7/13-7/20/06 A subtle swale remains along the retaining wall to direct stormwater 7/20/06</p>	
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Wetlands on east side of site were clean and well protected. 7/20/06</p> <p>Wetlands south of site across Carpenter Lane contain accumulated sediment near drain outlet, with slightly turbid water flowing; likely due to site run-off into roadway CBs. 7/6-7/20/06</p> <p>Sediment accumulation is also attributed to grout damage in the new drainage pipe, which has since been repaired. 7/13-7/20/06</p> <p>A line of haybales remains at the outfall pipe to filter water as it enters the wetland. 7/20/06</p>	<p>Continue to monitor. 7/20/06</p> <p>Continue to monitor outlet area. Accumulated sediment from the site should be removed carefully from the wetland by hand (shovels) at the next opportunity when conditions have dried.</p> <p>NA</p> <p>Monitor haybales and remove sediment as needed so new haybale line continues to work properly. 7/20/06</p>	<p>NA</p> <p>Sediment will be removed as soon as standing water has dried.</p> <p>NA</p> <p>NA</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 7/20/06</p>	<p>NA</p>
<p>Vegetative clearing or stabilization</p>	<p>All vegetative clearing was complete as of 6/8/06</p>	<p>None 7/20/06</p>	<p>NA</p>
<p>Dewatering</p>	<p>Dewatering is not being performed at this time. 7/20/06</p>	<p>None</p>	<p>NA</p>
<p>Blasting</p>	<p>Blasting continues; blast areas are first covered by rubber containment mats. Blasting will continue for several weeks. 7/20/06</p> <p>Rock crushing is also occurring, 7/20/06</p>	<p>Caution should continue to be taken that no blast material is allowed to leave the site. 7/20/06</p> <p>None</p>	<p>Rubber mats prevent material movement.</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Spills, Soils and Material Storage	<p>Soil is being removed from the site. Crushed rock is being used as backfill for the new retaining walls onsite. 7/20/06</p> <p>Soil stockpiles along western driveway and in the southeast area were hydroseeded and grass is growing. 7/20/06</p> <p>Soil within the Zolnik property was compacted, shaped, and seeded. 7/20/06</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. 7/20/06</p> <p>Spill cleanup materials were available on site and are being restocked as needed. 7/20/06</p>	<p>Continue to monitor the stone entrance pad with the increase in truck traffic leaving the site. 7/20/06</p> <p>Stockpiles should continue to be located away from the roadway and storm drain. Place seed for temporary stabilization of any stockpiles that will remain unmoved for more than 14 days. 7/20/06</p> <p>Consider placing seed as a temporary stabilization measure to reduce sediment loads where work is not actively occurring or not expected to occur for 14 days. 7/20/06</p> <p>Always use spill control materials when working on equipment and during refueling. 7/20/06</p>	<p>New stone was placed on the entrance pad.</p> <p>Grass growth was noted.</p> <p>The Zolnik property was graded, restored</p> <p>Needs evaluation for feasibility.</p> <p>NA</p>
Additional Observations	Spill kit located under the Right-Of-Way has been removed. 7/20/06	NA	Spill kit relocated onsite.

Next likely scheduled inspection: Thursday July 27, 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 is clean; loose stone should be pulled back off Carpenter Lane and the road cleaned/swept, including the gutters by hand if necessary.



Grading and seeding remain to be done between Carpenter Lane and 1st retaining wall.



Entire site from northwest corner looking southeast at major grading and blasting operations.



New stormwater inlet and manhole above 2nd retaining wall.



Catch basin inlet onsite is surrounded by stone and covered with fabric.



The new settling area dug in the southwest corner of the site is almost dry.



Haybales remain in place for additional filtration at the storm drain outlet. Water from the outlet was slightly turbid.



Water filtered by haybales is clearer than flow at the culvert. Sediment accumulation from the previous rain events will be removed when standing water in wetland has dried.