

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

Date: June 8, 2006

Inspector: Matthew Creighton

Location: Beseck Switching Station

Rain Event: 1.87" rain reported over 6/1-6/3 and 1.76" rain reported on 6/7 at Meriden CT; (NOAA)

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	Most trucks are using the stone pad entrance on the east side of the site. This area is fairly clean of tracking. 6/8/06	Check stone construction entrance periodically to ensure it does not become filled/buried with soil; clean/refresh stone as needed. 6/8/06 Street sweeping should be performed as needed. 6/8/06	NA
	Some crews are using the old driveway on the west side of the site. No significant tracking of soil was present here. Some stone was noted at the entrance here. 6/8/06	The stone will be used in the installation of the storm water system and also helps filter runoff water from the driveway. 6/8/06	NA
	Haybales were moved from the driveway on the west side of the site for stone deliveries being used to install the new storm water system. 5/31-6/8/06	Haybales are returned at the end of each day. They will also be returned prior to rain events. 5/31-6/8/06	NA
	Silt barrier liners in the catch basins (CB) were being replaced during the inspection. 6/8/06 The new liners are still working well and allow water to flow more freely	Continue to monitor and maintain as needed. The new, thinner liners seem to rip more easily under the stress of excess sediment and should be replaced more frequently	CB controls are being monitored regularly.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	to reduce ponding on Carpenter Lane. 6/8/06	then the previous, thicker liners. 6/8/06	
Foundation and site construction	<p>- Significant grading efforts continue. Soil is being used to raise the elevation on the southern side of the site. 5/31-6/8/06</p> <p>- The two settling basins and the storm drain inlet onsite have been filled to make way for the new storm water system, which will include two retention basins and a new storm water inlet pipe and CB. 5/31-6/8/06</p>	<p>Grading is changing overall site run-off patterns. See erosion control section. 6/8/06</p> <p>- See erosion control section 6/8/06</p>	<p>NA</p> <p>Needs attention</p>
Erosion and Sediment Controls	<p>Some areas of silt fence around the south and east side of the site have pulled through the top staples and started to sag.</p> <p>- Silt fence remains in good shape around the new stockpiling area at the old Zolnik property. 6/8/06</p> <p>The open inlet of the storm drain pipe is protected by a surrounding layer of stone and silt fence, However, the controls were overwhelmed by the large amounts of rain. 6/8/06</p> <p>Water entering the wetland across Carpenter Lane is turbid due to the disturbance created during the active work at the storm drain inlet and heavy rainfalls. 5/31-6/8/06</p> <p>Due to elevation changes</p>	<p>Maintain/inspect silt fence throughout the site. Re-staple as needed. 6/8/06</p> <p>- Silt fence is well installed and backed w/ supporting mesh/wire. 6/8/06</p> <p>Increase controls to slow and filter storm water prior to entering the new unfinished system. Several possibilities were discussed to slow water velocities i.e. a new settling area, more stone, haybales, filter fabric, etc. 6/8/06</p> <p>This is difficult to prevent during the interim of having the final system installed. Haybales placed at the outlet may help filtration slightly. 5/31-6/8/06 Controls should be increased around the inlet. 6/8/06</p> <p>Sediment needs to be</p>	<p>Needs attention when feasible</p> <p>NA</p> <p>Silt fence and small stones placed around the inlet for filtering storm water.</p> <p>More controls are needed.</p> <p>-Needs attention</p> <p>A settling area had</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>some storm water runoff is pooling in the southwestern corner of the site. A temporary settling area was created but is now full of sediment. 6/8/06</p>	<p>cleared away to protect the silt fence and a larger settling area is needed to contain runoff to the site. 6/8/06</p>	<p>been created, however a larger area appears to be needed.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Wetlands on the east side of the site contain clear water.</p> <p>Wetlands across Carpenter Lane are receiving turbid water from the unfinished storm drain system. 5/31-6/8/06</p>	<p>Continue to monitor wetlands during rain events.</p> <p>Additional efforts are needed to improve water clarity during the construction of the new storm water controls. Some filtration controls (haybales) could be placed at the drain outlet during construction of the new system (if this is NU property). 5/31-6/8/06</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>NA</p>	<p>NA</p>
<p>Vegetative clearing or stabilization</p>	<p>All vegetative clearing is complete. 6/8/06</p>	<p>NA</p>	<p>NA</p>
<p>Dewatering</p>	<p>-Active dewatering was not yet noted but saturated soil is being excavated from adjacent to the storm system installation and allowed to drain. 5/31-6/8/06</p>	<p>None 6/8/06</p>	<p>NA</p>
<p>Blasting</p>	<p>Not yet started; scheduled to start as early as next week. 6/8/06</p>	<p>None 6/8/06</p>	<p>NA</p>
<p>Spills and Material Storage</p>	<p>Soil removal was not taking place during the inspection. Soils are being stockpiled and moved around the site as needed. 6/8/06</p> <p>Soil stockpiles stored all along the western driveway have been in place and unworked</p>	<p>Soil stockpiles should continue to be located away from the roadway and storm drain inlet. 6/8/06</p> <p>Consider placing seed for temporary stabilization and to reduce run-off if stockpiles will remain.</p>	<p>NA</p> <p>Needs attention if feasible.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>longer than 14 days.</p> <p>Soil is also being stockpiled at the old Zolnik property. 6/8/06</p> <p>Spill cleanup materials were available on site and are being restocked. 6/8/06</p>	<p>6/8/06</p> <p>None. Stabilize temporarily when necessary. 6/8/06</p> <p>Always use spill control materials when working on equipment and during refueling. 6/8/06</p>	<p>NA</p> <p>NA</p>
Additional Observations	<p>Two spotted turtles were noted in the wetlands across Carpenter Lane. 6/8/06</p>	<p>These are not state listed species but efforts should continue to be made to improve water clarity leaving site</p>	<p>NA</p>

Next likely scheduled inspection: Thursday June 15, 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



Entire site looking southeast at the major soil grading operation



Silt fence remains in good shape around the old Zolnik property. Soil stockpiling is occurring here at this time.



Carpenter Lane at the construction entrance. Entrance is clean and workers were replacing the filter fabric in the catch basins.



Construction is underway of the new retention ponds and storm water system along Carpenter Lane



Installation of the new storm drain system. With perimeter protection. Watch exposed soil around the pipe for run-off and increase controls around the pipe.



Temporary storm water settling area constructed to prevent runoff onto Carpenter Lane. This area is full of sediment and may need to be enlarged to keep stormwater contained to site.



Suspended sediment within the ponded water in the wetland across Carpenter Lane.



Storm water entering the wetland across Carpenter Lane is turbid, due to the interim of the installation of the new drain system on site and heavy rains. A large root ball has made its way through the system and is slowing water. Consider placing haybales here for further filtration.