

**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.**

**Segment 2b Inspection**

**Date:** January 5, 2007

**Inspector:** Lee Curtis

**Location:** Segment 2b – Cheshire/Hamden Town Line to East Devon Substation

**Rainfall:** In the two weeks since the previous inspection, 1.67” of precipitation was recorded over 12/22-12/26 with an additional 1.99” on 1/1 (as reported by NOAA at New Haven, CT).

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Access roads and adjacent roadways</b>  Orange, CT Orange Center Rd/152, Overland Drive, and Treat Lane.	<b>Clearing and access road construction appears to be nearing completion in the areas of ROW accessed from Route 152 (east) and Treat Lane. Clearing, necessary for road construction, was noted in a portion of the “tree farm”, located off Overland Drive (east) this week. 1/5/07.</b>	<b>Continue to monitor. Install mats if necessary. 1/5/07.</b>	<b>Not Applicable (NA)</b>
<b>Russell Ave, Overland Dr (west), Dogwood Rd, Sunset Dr, Pine Tree Dr, Saddle Ridge Road/Harbor View Place, Hunting Hill Place, Ridge Rd, Rolling Ridge Rd, and Route 152 (west).</b>	<b>Clearing/road construction appears to be complete at this time. No active work was occurring in these sections during the inspection this week. 1/5/07.</b>	<b>Continue to monitor. 1/5/07.</b>	<b>NA</b>
	<b>Mats remain at the non-federally jurisdictional (NFJ) wetland crossing accessed from Sunset Dr. 1/5/07.</b>	<b>Continue to monitor. 1/5/07.</b>	<b>NA</b>
<b>All active Roads (see above)</b>	<b>Stone pads remain in place at all access roads and sediment tracking was not an issue. 1/5/07.</b>	<b>Continue to monitor for sediment tracking. Sweep roadways as necessary. 1/5/07.</b>	<b>NA</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Milford, CT Shelland Street</p> <p>Woodbridge, CT Pease Road</p>	<p>“Silt saks” (or similar) remain intact within all catch basins in the vicinity of the constructed access roads. Silt sak fabric was pulled over the curb drop inlet at those catch basins located immediately adjacent to the constructed access roads. 1/5/07.</p> <p>Activities associated with the relocation of Shelland St continue near the proposed East Devon Substation site. 1/5/07.</p> <p>No active work was noted here this week. A section of the ROW is matted here to provide access to the proposed structure locations. 1/5/07.</p>	<p>Continue to monitor and evaluate methods to protect the curb drop inlet and prevent sedimentation. See Erosion Control Section for more detail. 1/5/07.</p> <p>Continue to monitor. 1/5/07.</p> <p>Continue to monitor. The contractor states that this wetland was removed from the most recent version of the D&amp;M plan. 1/5/07.</p>	<p>CB controls in place. Improve as necessary.</p> <p>NA</p> <p>NA</p>
<p>Foundation and site construction</p> <p>Orange, CT</p> <p>Orange Center Road</p> <p>Russell Ave, Sunset Dr, and Overland Dr.</p> <p>Milford , CT Shelland Street</p>	<p>Foundation drilling/pouring has begun within the ROW off Orange Center Road this week. 1/5/07.</p> <p>There was no active foundation work occurring within the ROW off Sunset Dr, Russell Ave, and Overland Dr. this week. 1/5/07.</p> <p>Drilling/pouring for the second line of structures off Russell Ave continues. The third structure is located near a wetland (NFJ). 1/5/07.</p> <p>Activities associated with the relocation of Shelland St continue. Clearing, trenching, and other preparation is occurring at the proposed East</p>	<p>See Dewatering and EC Sections. 1/5/07.</p> <p>See Dewatering and EC Sections. 1/5/07.</p> <p>See Dewatering and EC Sections 12/21/06.</p> <p>None at this time. 1/5/07.</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p>



Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Ridge Road</b></p> <p><b>Orange Center Road/Route 152</b></p> <p><b>Saddle Ridge Rd/Harbor View Place</b></p> <p><b>Milford, CT Shelland Street</b></p>	<p>1/5/07.</p> <p>Silt fence was in place along the active work area (drilling) located upgradient of the wetland off Overland Dr (east). Mats and filter sock check dams were also in place along this section of ROW. 1/5/07.</p> <p>Silt fence remains in place along the work areas here to help prevent impacts to abutting property. 1/5/07.</p> <p>Silt fence remains intact at the wetland (NFJ) located off Route 152 and along the small wetland (NFJ) area located on the western side of Pine Tree Drive. 1/5/07.</p> <p>Silt fence and filter socks are in place at the disturbed area adjacent to the catch basin here. 1/5/07.</p> <p>All exposed soil and sediment is contained on site. Silt fence remains intact near the new road location. 1/5/07.</p>	<p>alternatives may be needed here. 12/21/06-1/5/07.</p> <p>Continue to monitor. 1/5/07.</p> <p>None. 1/5/07.</p> <p>Continue to monitor and maintain as necessary. See wetland section for more details. 1/5/07.</p> <p>Continue to monitor and maintain as necessary. 1/5/07.</p> <p>Continue to monitor. 1/5/07.</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b> <i>Contractors have stated that all wetlands within current activity areas are not under federal jurisdiction 11/29/06</i></p> <p><b>Orange, CT Sunset Dr</b></p> <p><b>Orange Center Drive</b></p>	<p>Federally jurisdictional wetlands will not be accessed until the ACOE permit is in hand 11/20-1/5/07.</p> <p>A matted crossing remains at the wetland (NFJ) located in the ROW off Sunset Dr. Silt fence is intact. 1/5/07.</p> <p>Water is pooling at the</p>	<p>Maintain federally jurisdictional wetlands until ACOE permits allow access. 11/20-1/5/07.</p> <p>Continue to maintain erosion controls where necessary. 1/5/07.</p> <p>Additional stone should</p>	<p>NA</p> <p>NA.</p> <p>Needs attention when</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>(west)</p> <p>Pine Tree Drive and Dogwood Rd</p> <p>Woodbridge, CT Pease Road</p>	<p>access road located across from the wetland area off Orange Center Drive (west). Silt fence remains intact here. 1/5/07.</p> <p>Evidence of past clearing was noted within the wetlands located in the ROW off Pine Tree Dr (east &amp; west) and near the wetland located off Dogwood Rd (east). 1/5/07.</p> <p>Some wetland flags were missing at the wetland off Dogwood Rd, but it appears a small portion of wetland may have been cleared for proposed structure installation. Many shrubs and some herbaceous vegetation remain in place along the edges. 12/7-1/5/07.</p> <p>A portion of the ROW off Pease Road remains matted for stabilization and structure access. 1/5/07.</p>	<p>be placed at this spot in the access road to reduce turbidity and allow for additional filtration before this water reaches the wetland. 1/5/07</p> <p>Continue to monitor. Maintain erosion controls as necessary. 1/5/07.</p> <p>Silt fence is not necessary at this time. Continue to monitor. Confirm that this wetland is not under federal jurisdiction. 12/7-1/5/07.</p> <p>Continue to install mats and erosion controls where necessary. 1/5/07.</p>	<p>feasible.</p> <p>NA</p> <p>Needs evaluation</p> <p>NA</p>
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&amp;M plan, state-listed species are not located in or adjacent to the active work areas. 1/5/07.</p>	<p>None. 1/5/07.</p>	<p>NA</p>
<p>Vegetative clearing or stabilization</p> <p>Orange, CT</p> <p>All active roads</p>	<p>Vegetative clearing was noted within the ROW. Most species were invasive and were removed. "Hedgerows", including cedars and similar short tree species were retained along the ROW where feasible. (Cedars will eventually be harvested) Select shrubs, especially those adjacent to wetlands, also remain in most areas. 1/5/07.</p>	<p>Continue to retain appropriate vegetation for stabilization. Retain as much vegetation as possible for screening. Confirm that clearing/cutting is limited only to areas defined in D&amp;M plan. Provide as much buffer as possible for homeowners. 1/5/07.</p>	<p>NA.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Milford , CT Shelland Street</p> <p>Lexington Lane</p> <p>Woodbridge, CT Pease Road</p>	<p>Clearing necessary for road construction, was noted in a portion of the “tree farm”, located off Overland Drive (east) this week. 1/5/07</p>	<p>Continue to retain appropriate vegetation where feasible. 1/5/07</p>	<p>NA</p>
	<p>Wood chips were spread along the upland portions of the cleared ROW off Orange Center Rd/152, Sunset Dr, Ridge Rd, Russell Ave, Rolling Ridge Rd, Overland Dr, and Hunting Hill RPlace.</p>	<p>Continue to maintain a wood chip depth of 3” or less (in upland areas only) so vegetative growth is not inhibited. They can be used for stabilizing disturbed upland work areas. 1/5/07.</p>	<p>NA</p>
	<p>Wood chips are piled near the cul-de-sac off Hunting Hill Place and are currently at a depth greater than 3” 1/5/07.</p>	<p>Spread the pile to a depth of 3” or less in upland areas or remove pile from the ROW. 1/5/07</p>	<p>Needs attention when feasible.</p>
	<p>Vegetative clearing associated with the proposed East Devon Substation Site and road relocation continues. 1/5/07.</p>	<p>Continue to retain appropriate vegetation for stabilization. Retain as much vegetation as possible for screening. 1/5/07.</p>	<p>NA</p>
	<p>Clearing activities have begun within the ROW located off Lexington Lane this week. 1/5/07.</p>	<p>Continue to monitor. 1/5/07</p>	<p>NA</p>
<p>Dewatering Orange, CT All active roads</p> <p>Russell Ave, Sunset Dr, and Overland Dr.</p>	<p>In general, dewatering containment areas have been pro-actively placed at drilling sites. 1/5/07.</p>	<p>None. 1/5/07.</p>	<p>NA</p>
	<p>Sediment/slurry, associated with past dewatering activities, appears to have been</p>	<p>A filter bag should be installed within the haybale perimeter to effectively filter the slurry</p>	<p>Sediment appears to have been removed.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>removed from the ROW near the 2<sup>nd</sup> structure off Sunset Dr. 1/5/07.</p> <p>Filter bags are in place near each drilling site off Russell Ave, but dewatering efforts have been minimal so far. 1/5/07.</p> <p>Some sediment/slurry had breached the containment controls (filter bag and filter socks) off Overland Dr. (both to the east and west). but it is unlikely that this sediment will affect the wetland downgradient. 1/5/07.</p>	<p>if dewatering efforts are to continue here. 12/7/06-1/5/07.</p> <p>None 1/5/07.</p> <p>Evaluate whether current set-ups are adequate to contain sediment from dewatering activities. A second line of controls (such as haybales) may be needed if dewatering is to continue in either spot. Avoid this in other locations as well. 1/5/07.</p>	<p>NA</p> <p>Needs attention when feasible.</p>
<b>Blasting</b>	No blasting is proposed at this time. 1/5/07.	None	NA
<b>Spills, soils and material storage</b>	Contractor receiving yard is set up near Shelland St. in Milford. This also appears to be used for Segment 3. 1/5/07.	<p>In general, store materials and equipment appropriately. Ensure that vehicles are equipped with spill kits. 1/5/07.</p> <p>All construction vehicles should be parked at least 100 feet from a wetland or waterbody when feasible. 1/5/07.</p>	NA
<b>Additional Observations</b>	NA	NA	NA

Next likely scheduled inspection:

Thursday January 11, 2007

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: Lee Curtis, BSC Group

Reviewer: Diana Walden, BSC Group





**View of the foundation work and spoil piles in the ROW off Russell Ave.**



**Overall view of the work area within the ROW located off Hunting Hill Place.**



**View of the wood chips pile within the ROW off Hunting Hill Place. Wood chips are currently at a depth greater than 3" and should be spread in upland areas or removed.**



**Silt fence was installed between the stockpile and wetland within the ROW off Sunset Ave. The silt fence may need to be extended toward the road here.**





**Sediment has built up around the catch basin on Sunset Dr. The Silt-Sak still appears to be functioning properly here. Clear as necessary.**



**Silt fence was installed at the spoil pile located near the wetland off Overland Drive (west).**



**Sediment/slurry remains outside of the controls within the ROW Off Overland Drive (west). It is unlikely that sediment will affect the wetland located downgradient but this should be avoided.**



**Some sediment/slurry has breached the dewatering controls off Overland Drive (east).**





**View of the clearing at the tree farm located within the ROW off Overland Drive (east).**



**View of the foundation drilling within the ROW located off Route 152 (west).**



**View of one of the many dewatering basins located within the ROW off Route 152 (west).**



**View of the water pooling at the access road located across from the wetland area off Route 152 (west). Additional stone may be needed in the access road here to reduce turbidity.**





**View of a dewatering basin and filter sock check dam within the ROW off Route 152 (east). Continue to ensure controls are adequate to contain slurry.**



**Activities associated with the relocation of Shelland Street continue in Milford.**



**View of the clearing within the ROW located off Lexington Lane (east) in Milford. Continue to retain shrubs whenever feasible.**



**View of the clearing within the ROW off Lexington Lane (west).**