

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: December 21, 2006

Inspector: Lee Curtis

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

Rainfall: No precipitation was recorded in the week since the previous inspection (as reported by NOAA at New Haven, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	Active clearing and access road construction was observed in the ROW accessed from Route 152 (east), Saddle Ridge Road/Harbor View Place (west), and Treat Lane. 12/21/06.	Continue to monitor. Install mats if necessary. 12/21/06	Not Applicable (NA)
Orange, CT Orange Center Rd/152, Saddle Ridge Rd/Harbor View Place, and Treat Lane.			
Russell Ave, Overland Dr, Dogwood Rd, Sunset Dr, Pine Tree Dr, Hunting Hill Place, Ridge Rd, Rolling Ridge Rd, and Route 152 (west).	Clearing/road construction appears to be complete at this time. No active work was occurring within the ROW in these sections this week. 12/21/06.	Continue to monitor. 12/21/06.	NA
	Mats remain at the non-federally jurisdictional (NFJ) wetland crossing accessed from Sunset Dr. 12/21/06.	Continue to monitor. 12/21/06.	NA
All active Roads (see above)	Stone pads remain in place at all access roads and sediment tracking was not an issue. 12/14/06.	Continue to monitor for sediment tracking. Sweep roadways as necessary. 12/14/06	NA
	“Silt saks” (or similar) remain intact within all catch basins in the vicinity of the	See Erosion Control Section for more detail. 12/21/06.	CB controls in place. Improve as necessary.

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Milford, CT Shelland Street</p> <p>Woodbridge, CT Pease Road</p>	<p>constructed access roads. 12/21/06.</p> <p>Activities associated with the relocation of Shelland St continue near the proposed East Devon Substation site. 12/21/06.</p> <p>Clearing and access road construction continues in this section. A section of the ROW is matted here to provide access to the proposed structure locations. 12/21/06.</p>	<p>Continue to monitor. 12/21/06.</p> <p>Continue to monitor. The contractor states that this wetland was removed from the most recent version of the D&M plan. 12/21/06.</p>	<p>NA</p> <p>NA</p>
<p>Foundation and site construction</p> <p>Orange, CT Russell Ave, Sunset Dr, and Overland Dr.</p> <p>Milford, CT Shelland Street</p>	<p>Foundation drilling/pouring continues within the ROW off Sunset Dr Russell Ave, and Overland Dr. 12/21/06.</p> <p>Active foundation drilling was noted within the ROW off Overland Drive this week. 12/12/06.</p> <p>No active work was noted off Sunset Dr this week. Foundation construction appears to be complete for the first line of foundation structures (#3865, 3866, and 3867). The second structure off Sunset Dr is located adjacent to the NFJ wetland. 12/21/06.</p> <p>No active work was noted off Russell Ave this week. The first line of structure foundations appears to be complete and drilling/pouring for the second line has begun. The third structure is located near a wetland (NFJ). 12/21/06.</p> <p>Activities associated with the relocation of Shelland</p>	<p>See Dewatering and EC Sections. 12/21/06.</p> <p>See Dewatering and EC Sections 12/21/06.</p> <p>See Dewatering and EC Sections 12/21/06.</p> <p>See Dewatering and EC Sections 12/21/06.</p> <p>None at this time. 12/21/06.</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>St continue. Clearing trenching and other preparation is occurring at the proposed East Devon Substation site. 12/21/06.</p>		
<p>Erosion and sediment controls</p> <p>Orange, CT</p> <p>All active roads (See Access Road Section)</p> <p>Russell Ave</p> <p>Sunset Dr</p> <p>Overland Dr</p>	<p>Roots have been retained in most cleared areas to maintain some soil stability. 12/21/06.</p> <p>“Silt saks” (or similar) are in place in all catch basins within the vicinity of the project work. Silt sak fabric was pulled over the curb drop inlet at those catch basins located immediately adjacent to the constructed access roads. 12/21/06.</p> <p>Ruts remain within the ROW here. Soils are too soft to support equipment. 11/20-12/21/06.</p> <p>All spoil piles were placed on a liner and covered with plastic within the ROW here. 12/21/06.</p> <p>Silt fence remains intact at the wetland crossing accessed from Sunset Dr. 12/21/06.</p> <p>All spoil piles were placed on a liner in an upland area and partially covered with plastic in the ROW off here. Silt fence was installed downgradient of the 2nd foundation and spoil pile, along the wetland. 12/21/06</p> <p>Erosion controls have not been installed at the spoil pile located upgradient of</p>	<p>None. Continue to temporarily stabilize disturbed soils as necessary 12/21/06.</p> <p>Continue to monitor and evaluate methods to protect the curb drop inlet and prevent sedimentation. 11/29-12/21/06.</p> <p>Stabilize soil (tracks) as it becomes necessary. 11/20-12/21/06.</p> <p>Continue to monitor and maintain as necessary. 12/21/06.</p> <p>Continue to monitor and maintain as necessary. 11/20-12/21/06.</p> <p>The silt fence should be extended towards Sunset, along the access road (see photos). Spoil should be completely contained within haybales/silt fence or plastic covering when drilling is complete. See Dewatering Section. 12/21/06.</p> <p>Spoil should be completely contained within haybales/silt fence</p>	<p>NA</p> <p>CB controls in place.</p> <p>NA</p> <p>Spoil piles are contained (proactive).</p> <p>NA</p> <p>Silt fence was installed along the wetland, but should be extended toward the road.</p> <p>Needs attention</p>

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	<p>the wetland (NFJ) off Overland Dr (west). Some sediment/ slurry has breached the dewatering controls here and is migrating downgradient. 12/21/06.</p> <p>Silt fence was installed along the active work area (drilling) located upgradient of the wetland off Overland Dr (east). Mats were installed here as well. 12/21/06.</p> <p>Filter sock check dams were installed along the disturbed slopes within the ROW on the eastern side of Overland Dr. 12/21/06.</p>	<p>or plastic covering when drilling is complete. See Dewatering Section. Evaluate whether filter socks are adequate to contain sediment in dewatering areas. Hay bales or similar alternatives may be needed here. 12/21/06.</p> <p>Continue to monitor. 12/21/06.</p> <p>Continue to monitor. 12/21/06.</p>	<p>NA</p> <p>Filter sock check dams were installed (proactively).</p>
Ridge Road	<p>Silt fence was installed proactively along the work areas here to help prevent impacts to abutting property. 12/21/06.</p>	<p>None. 12/21/06</p>	<p>Silt fence installed (proactively)</p>
Orange Center Road/Route 152	<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. 12/21/06.</p>	<p>Continue to monitor and maintain as necessary. 12/21/06.</p>	<p>NA</p>
Saddle Ridge Rd/Harbor View Place	<p>Silt fence and filter socks were installed at the disturbed area adjacent to the catch basin here. 12/21/06.</p>	<p>Continue to monitor and maintain as necessary. 12/21/06.</p>	<p>NA</p>
Milford, CT Shelland Street	<p>All exposed soil and sediment is contained on site. Silt fence remains intact near the new road location. 12/21/06.</p>	<p>Continue to monitor. 12/21/06</p>	<p>NA</p>

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<p>Inland Wetland and Watercourse encroachment and mitigation <i>Contractors have stated that all wetlands within current activity areas are not under federal jurisdiction 11/29/06</i></p> <p>Orange, CT Sunset Dr</p> <p>Orange Center Road/Route 152 and Pine Tree Drive.</p> <p>Dogwood Road</p> <p>Woodbridge, CT Pease Road</p>	<p>Federally jurisdictional wetlands and associated buffers will not be accessed until the ACOE permit is in hand 11/20-12/21/06.</p>	<p>Maintain federally jurisdictional wetlands and buffer zone until ACOE permits allow access. 11/20-12/21/06.</p>	<p>NA</p>
	<p>A matted crossing remains at the wetland (NFJ) located in the ROW off Sunset Dr. Silt fence is intact. 12/21/06.</p>	<p>Continue to maintain erosion controls where necessary. 12/21/06.</p>	<p>NA.</p>
	<p>A portion of a timber mat was being stored adjacent to the wetland off Sunset Dr. Some minor ruts were noted within the wetland here. 12/21/06.</p>	<p>When feasible, materials should not be stored near resource areas to reduce potential impacts 12/21/06.</p>	<p>NA</p>
	<p>Evidence of past clearing was noted within the wetlands located in the ROW off Orange Center Rd/Rt 152 (west) and Pine Tree Dr (east & west). 12/21/06.</p>	<p>Continue to monitor. Maintain erosion controls as necessary. 12/21/06.</p>	<p>NA</p>
	<p>Evidence of past clearing activities was also noted near the wetland located off Dogwood Rd (east). Some wetland flags were missing here, but it appeared 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. 12/7-12/21/06.</p>	<p>Silt fence is not necessary at this time. Continue to monitor. Confirm that this wetland is not under federal jurisdiction. 12/7-12/21/06.</p>	<p>Needs evaluation</p>
	<p>A portion of the ROW off Pease Road has mats in place for stabilization and structure access. 12/21/06.</p> <p>According to the contractor, vehicle tracks noted last week are not project related and the</p>	<p>Continue to install mats and erosion controls where necessary. 12/21/06.</p> <p>None. 12/21/06.</p>	<p>NA</p> <p>NA.</p>

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	wetland area was removed from the D&M plan. 12/21/06.		
State species of concern, threatened and endangered species.	According to the D&M plan, state-listed species are not located in or adjacent to the active work areas. 12/21/06	None 12/21/06.	NA
Vegetative clearing or stabilization Orange, CT All active roads	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. 12/21/06.	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&M plan. Provide as much buffer as possible for homeowners. 12/21/06.	NA.
Milford , CT Shelland Street	Wood chips were spread along the upland portions of the cleared ROW off Orange Center Rd/152, Sunset Dr, Ridge Rd, Russell Ave, and Rolling Ridge Rd. 12/21/06.	Continue to maintain a depth of 3" or less in order not to inhibit vegetation. 12/21/06.	NA
Woodbridge, CT Pease Road	Vegetative clearing associated with the proposed East Devon Substation Site and road relocation continues. 12/21/06.	Continue to retain appropriate vegetation for stabilization. Retain as much vegetation as possible for screening. 12/21/06.	NA
Woodbridge, CT Pease Road	No active clearing was noted. Major clearing will be necessary in the future for the relocation of the ROW here. 12/21/06.	Continue to confirm that all clearing/cutting is limited only to areas defined in D&M plan. 12/21/06.	NA
Dewatering Orange, CT All active roads	In general, dewatering containment areas have been pro-actively placed at drilling sites. 12/21/06.	None. 12/21/06	NA
Russell Ave, Sunset Dr, and Overland Dr.	Sediment/slurry remains outside the dewatering	A filter bag should be installed within the	Silt fence was installed but needs attention if

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	<p>controls near the 2nd foundation located adjacent to the wetland off Sunset Ave. Silt fence was installed along the wetland here. 12/21/06.</p> <p>Filter bags were placed near each drilling site off Russell Ave, but dewatering efforts have been minimal so far. 12/21/06.</p> <p>Dewatering was necessary within the ROW off Overland Dr. (west) Some sediment/slurry has breached the containment controls (filter bag and filter socks) and is migrating downgradient toward the wetland. 12/21/06.</p>	<p>haybale perimeter to effectively filter the slurry if dewatering efforts are to continue here. See Erosion Control Section. 12/7-12/21/06.</p> <p>None 12/21/06.</p> <p>Evaluate whether filter socks are adequate to contain sediment from dewatering activities. A second line of controls (such as haybales) may be needed here. 12/21/06.</p>	<p>dewatering is to continue here.</p> <p>NA</p> <p>Needs attention.</p>
Blasting	No blasting is proposed at this time. 12/21/06.	None	NA
Spills, soils and material storage	Contractor receiving yard is set up near Shelland St. in Milford. 12/21/06.	In general, store materials and equipment appropriately. Ensure that vehicles are equipped with spill kits. 12/21/06. All construction vehicles should be parked at least 100 feet from a wetland or waterbody when feasible. 12/21/06	NA
Additional Observations	NA	NA	NA

Next likely scheduled inspection:

Thursday January 4, 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 within the ROW off Russell Ave.



All stockpiles off Russell Ave remain covered with plastic.



The catch basin on Sunset Drive remains protected. No sediment tracking was observed here this week.



Silt fence was installed between the stockpile and NFJ wetland within the ROW off Sunset Dr. The silt fence should be extended towards Sunset, along the access road.



Wood chips were spread along the upland portions of the ROW off Sunset Dr. Take care to keep wood chips out of wetland areas.



View of materials stored immediately adjacent to the wetland off Sunset Dr. Some equipment ruts were noticed beyond the wetland flags.



View of the dewatering area located within the ROW off Overland Drive (west). Sediment/slurry has flowed beyond the controls here.



The spoil pile located off Overland Drive (west) is currently stored near the wetland. Silt fence should be installed here.



View of the dewatering area within the ROW located off Overland Drive (east). Foundation drilling and pouring continues here.



View of the filter sock check dams installed within the ROW off Overland Drive (east).



Silt fence was installed upgradient of the wetland near the tree farm located within the ROW off Overland Drive (east).



Foundation drilling continues off Overland Drive (east). Timber mats were used where necessary.



View of the cleared area within the wetland located off Pine Tree Drive (east). Adjacent vegetation was retained.



Dewatering containment areas were proactively placed within the ROW off Ridge Road.



View of the ROW located off Saddle Ridge Road. Clearing and access road construction appears to be complete at this time.



A silt sack, completely protecting the catch basin and curb drop inlet, has been installed at the intersection of Saddle Ridge Road and Harbor View Place. Silt fence was also in place here.