

**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:** November 16, 2007

**Inspector:** Matt Kelly

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

**Rainfall:** 0.64” of precipitation were recorded in the week since the last inspection with 0.33” of the total reported on 11/15. (NOAA data at New Haven, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways  Milford, CT, Orange CT, Woodbridge CT, Bethany CT, and Hamden CT  All access roads	Clearing and access road construction appear to be complete in these sections at this time. 11/16/07	Continue to monitor active work areas and add controls as necessary. See EC section. 11/16/07	Not Applicable (NA)
	Stone pads remain in place at all entrances to access roads. 11/16/07	Continue to monitor for sediment tracking in active areas. Sweep roadways as necessary. 11/16/07	Active areas need regular attention
	Mats remain at the wetland crossings in these sections. 11/16/07	Continue to monitor. 11/16/07	NA
	“Silt saks” (or similar) remain intact within catch basins located in the vicinity of the constructed access roads. Curb drop inlet protection (including “Gutter Buddies” and filter fabric pulled over the curb inlet) is provided at those catch basins located immediately adjacent to the constructed access roads. 11/16/07	Continue to monitor and evaluate methods to protect the curb drop inlet and prevent sedimentation as needed. See Erosion Control Section for more detail. 11/16/07	NA
Milford, CT Caswell St/Bic Dr	Sediment tracking from the overhead access road was observed on the	Stabilize the remaining overhead access roads with stone pads and/or provide	A stone pad was installed at the main ROW access point but

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	roadway. The adjacent catch basin is not protected. 11/8-11/16/07 A stone pad was installed at the main ROW access point. 11/16/07	catch basin protection and sweep the roadway as necessary. 11/16/07	<i>further attention is needed</i>
<p>Foundation and site construction <b>All sections</b></p> <p><b>Milford, Orange, and Woodbridge CT</b></p> <p>Milford, CT</p> <p>Woodbridge, CT</p>	<p>H- frame structure and lattice tower removal continues in all sections. 11/16/07</p> <p>Crane pads associated with the 115-kV work are being removed and transferred to the 345-kV portion of the line (pad reclamation) in these sections. 11/16/07</p> <p>115-kV foundation work continues within the ROW off Naugatuck Ave Caswell St, and Shelland St in Milford. 11/16/07</p> <p>345-kV foundation work has begun off Plains Rd and Oronoque Rd. 11/16/07</p> <p>345-kV foundation work continues off the Pease Road/JCC section at this time. Structure installation continues. 11/16/07</p> <p>Foundation work and structure installation appear to be complete in all other sections at this time. 11/16/07</p>	<p>Continue to monitor. 11/16/07</p> <p>Continue to monitor. See EC and Stabilization Sections. 11/16/07</p> <p>Continue to monitor. See EC Section. 11/16/07</p> <p>Continue to monitor active work areas. See EC Section. 11/16/07</p> <p>Continue to monitor active work areas. See EC Section. 11/16/07</p> <p>None at this time. 11/16/07</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p>

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Erosion and sediment controls	Roots have been retained in most cleared areas to maintain some soil stability. Crews have made good efforts to temporarily stabilize most disturbed areas with hay mulch. Timber mats and erosion controls are in place in and adjacent to wetland areas. 11/16/07	None at this time. Continue to utilize the appropriate erosion control measures and stabilize disturbed soils as necessary. 11/16/07	NA
Milford & Orange, CT	Pad reclamation is complete in most areas at this time. Exposed soils have been graded and mulched. 11/16/07	Continue to monitor. Additional erosion controls are recommended in some areas during 345-kV foundation work. See Stabilization Section. 11/16/07	NA
	Spoil piles remain within the ROW off Caswell St in Milford. Piles appear to be contained on site. 11/16/07	Remove spoil piles when feasible. 11/16/07	Needs attention when feasible
Woodbridge, CT Glen Dam Reservoir	Exposed soils remain on the slope adjacent to structure #3950. 8/24-11/16/07	Exposed soils should be seeded and mulched when feasible. 11/16/07	Needs attention when feasible
JCC	Sediment was noted in the dry stream channel near structure #24119. 8/7/07-11/16/07	Evaluate sediment accumulation within the stream channel. Carefully remove sediment during the dry season if it is greater than 2" in depth. 11/16/07	Needs attention/evaluation
	Spoil piles remain within the ROW near structure #3932. Piles appear to be contained on site. 11/16/07	Remove spoil piles when feasible. 11/16/07	Needs attention when feasible
Hamden, CT West Todd Street/ Gaylord Mountain	In approximately three areas, stormwater pooled along the perimeter controls and filtered through as concentrated flow off the ROW	Monitor during large rain events and investigate additional solutions to prevent stormwater conveyances off site. Although good efforts were	Good efforts were made but <i>needs additional evaluation/monitoring</i>

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<p>Brooksvale Ave</p> <p>Willow Street</p>	<p>flow off the ROW (4/27/07). This only occurs during large rain events and wetland resource areas were not affected by this off site flow. 11/16/07</p> <p>Some sediment remains in the wetland area located to the southwest of structure #3992. 11/16/07</p> <p>Excess sediment has accumulated on the timber mat crossing within the access road here. Sediment has seeped through the mats and into wetland #100. 11/16/07</p> <p>Spoils from foundation/grounding work remain on some of the timber mats at structure #4009. 9/21-11/16/07</p>	<p>Although good efforts were made to control stormwater flow, continue to improve on-site containment. 11/16/07</p> <p>Evaluate sediment accumulation within the wetland. Carefully remove sediment from wetland if it is greater than 2” in depth. 11/16/07</p> <p>Continue to monitor. Controls should be installed to prevent further sedimentation to the wetlands. See Wetlands Section. 11/16/07</p> <p>Continue to monitor and stabilize disturbed soils. Remove spoils from timber mats. 11/16/07</p>	<p>Needs evaluation</p> <p>Needs attention/evaluation</p> <p>Needs attention</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p> <p><b>Milford, CT</b></p> <p>Naugatuck Ave, Rt 121 and Oronoque Rd</p> <p>West River Street and Eisenhower Park</p>	<p>The ACOE permit is in hand and approved wetland work continues. 11/16/07</p> <p>Timber mat crane pads remain adjacent to/in wetlands in these sections. 11/16/07</p> <p>A stone access road remains within the wetland accessed from West River Street. Timber mat crane pads remain within the wetland areas in these sections. 11/16/07</p> <p>Construction of the wetland mitigation area</p>	<p>Follow general guidelines of the permit whenever work in wetlands occurs. 11/16/07</p> <p>Continue to monitor and add controls as necessary. 11/16/07</p> <p>Continue to monitor and add controls as necessary. 11/16/07</p> <p>Continue to monitor for stabilization and add</p>	<p>NA</p> <p>NA at this time</p> <p>NA at this time</p> <p>NA</p>

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	along the Wepawaug River at Eisenhower Park appears to be complete at this time. 11/16/07	controls as necessary. 11/16/07	
East Rutland Road (western access point)	A stone access road remains at the wetland crossing off East Rutland. An existing stone culvert was already in place here. 11/16/07	Continue to monitor. Install controls as necessary. 11/16/07	NA at this time
<b>Orange, CT</b>  Sunset Drive, Pine Tree Rd (east), Treat Lane, Lambert Rd, Russell Ave, Hunting hill Road, Racebrook Rd, and Route 34	Timber mat crane pads/crossings remain at the wetland areas here. Stone wetland crossings are in place at Lambert Rd and Treat Lane. 11/16/07	Continue to monitor. 11/16/07	NA at this time.
Clearview Lane to Rt 15	Stone access roads and timber mat crossings remain in the wetland areas here. 11/16/07	Continue to monitor. 11/16/07	NA at this time
<b>Woodbridge, CT</b>  Pease Road	Mats remain in the potential wetland area here. 11/16/07	Continue to monitor. The contractor states that this wetland was removed from the most recent version of the D&M plan, but flags were staked in the field. 11/16/07	NA at this time
	Tire ruts were noted in a wetland area within the abandoned ROW here. 11/16/07	Fill and stabilize ruts with appropriate material. In general, timber mats (or similar) should be used when it becomes necessary to access a wetland. 11/16/07	Needs attention
JCC/B’Nai Jacob	The wetland areas near the JCC and B’Nai Jacob have been cleared as a result of the permitted re-location of the ROW. Stone access roads remain in portions of the wetlands in these sections. 11/16/07	Continue to monitor. Adjust controls as necessary. 11/16/07	NA at this time

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	Sediment was noted in the stream channel near structure #24119 at the JCC. 8/7-11/16/07	Continue to monitor. Evaluate sediment accumulation within the stream channel. Carefully remove sediment during the dry season if it is greater than 2" in depth. See EC Section. 11/16/07	Needs evaluation
Oak Lane CC, Cow Path Lane, Salem Rd, Rimmon Rd, Brookwood Dr, Center Rd, Ansonia Rd, Manville Rd and Clear Ln to Rte 15	Timber mat crane pads remain within the wetlands in these sections. 11/16/07	Continue to monitor. 11/16/07	NA at this time
<b>Bethany, CT</b> Morris to Hatfield	A stone access road and timber mats are in place in the wetland areas in this section. 11/16/07	Continue to monitor. 11/16/07	NA
Litchfield Turnpike	Excess sediment has accumulated on the timber mat crossings within the access road here. Sediment has seeped through the mats and into wetlands #119 (near structure #3961), #116 (between structures #3964 and #3965), #115 (between structures #3965 and #3966) and #114 (between structure #3966 and #3967). 11/16/07	Carefully remove sediment from wetland areas when timber mats are removed. See EC Section. 11/16/07	Needs evaluation/attention
<b>Hamden, CT</b> West Todd St, Tom Swamp/Arrow Rd, Willow Street, Brooksvale Ave, and Old Lane Rd	Temporary stone access roads and timber mats remain in some of the wetland areas in these sections. 11/16/07	Continue to monitor. 11/16/07	NA at this time
Brooksvale Ave	Excess sediment has accumulated on the timber mat crossing within the access road here. Sediment has seeped through the mats and into wetland #100. 11/16/07	Carefully remove sediment from wetland areas when timber mats are removed. See EC Section. 11/16/07	Needs evaluation/attention

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<p>Old Lane Road</p> <p>115-kV underground transmission line Old Lane Road</p>	<p>Sediment remains in wetland #94. 10/5-11/16/07</p> <p>Sediment accumulation was evaluated in a portion of the wetland here. Less than 2” of sediment was observed at the catch basin outlet in the wetland across from the overhead access road. (115-kV underground). 11/16/07</p>	<p>Continue to monitor and add/maintain controls as necessary. Carefully remove sediment from the wetland if it is greater than 2” in depth. See EC Section. 11/16/07</p> <p>Continue to evaluate sediment accumulation within the adjacent wetland. Carefully remove sediment from the wetland if it is greater than 2’ in depth. 11/16/07</p>	<p>Needs evaluation/attention</p> <p>Needs further evaluation</p>
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&amp;M plan, Wood Turtles are known to occur near the Wepawaug River at Eisenhower Park. 11/16/07</p>	<p>Wood turtles are dormant from November 1<sup>st</sup> to April 1<sup>st</sup> and therefore will not be disturbed when construction occurs during these months. If active work continues/resumes in this area after April 1st, field crews should receive the appropriate training in the recognition and removal of individual wood turtles from the construction area. “Sweeps should be performed prior to the commencement of construction activities. 11/16/07</p>	<p>NA at this time</p>
<p>Vegetative clearing or stabilization</p> <p>All active roads (all towns)</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. Select shrubs, especially those adjacent to wetlands, also remain in most areas. 11/16/07</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. 11/16/07</p>	<p>NA</p>

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<p><b>Milford and Orange, CT</b></p>	<p>Soils remain exposed as a result of grounding activities. 11/16/07</p>	<p>Exposed soils should be seeded and mulched. Continue to monitor until stabilization is achieved. 11/16/07</p>	<p>Needs attention</p>
	<p>Wood chip piles remain in the ROW off Woodruff Rd in Milford and Russell Ave in Orange. 11/16/07</p>	<p>Wood chip piles should be removed from the ROW or spread in appropriate upland areas to a depth of 3" or less. 11/16/07</p>	<p>Needs attention when feasible</p>
	<p>Crane pad reclamation and restoration work appear complete at this time. Disturbed soils are being graded and mulched for temporary stabilization. 11/16/07</p>	<p>Continue to monitor until stabilization is achieved. 11/16/07</p>	<p>Disturbed soils are being graded and mulched for temporary stabilization</p>
<p><b>Woodbridge, CT</b> JCC</p>	<p>Hydro-seed was applied to disturbed areas. Grass growth was noted in previous weeks. 11/16/07</p>	<p>Continue to monitor for stabilization. Re-seed if necessary. 11/16/07</p>	<p>NA</p>
<p>B'Nai Jacob</p>	<p>Disturbed areas were seeded and mulched for temporary stabilization. Grass growth was noted in previous weeks. 11/16/07</p>	<p>Continue to monitor for stabilization. Re-seed if necessary. 11/16/07</p>	<p>NA</p>
<p><b>Hamden, CT</b> Gaylord Mtn Rd/West Todd St</p>	<p>Mulch has been spread in washout areas near structure #3989 in an effort to temporarily stabilize disturbed soils. 11/16/07.</p>	<p>Continue to monitor. Mulched areas should be seeded for further stabilization. Stone fill or similar may be needed to stabilize gullies/washouts. 11/16/07</p>	<p>Continue stabilization efforts</p>
<p>Old Lane Road</p>	<p>The overhead access road has been stabilized with stone. Hydroseed was applied to exposed soils. 11/16/07</p>	<p>Continue to monitor until stabilization is achieved. 11/16/07</p>	<p>NA</p>
	<p>Exposed soils have been mulched near structure #4014. 11/16/07</p>	<p>Continue to monitor until stabilization is achieved. 11/16/07</p>	<p>Exposed soils have been mulched near structure #4014</p>



Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Dewatering</p> <p><b>Milford, CT</b></p> <p>Naugatuck Ave, Caswell St, Plains Rd, and Oronoque Rd</p> <p><b>Orange, CT</b></p> <p><b>Woodbridge, Bethany, and Hamden CT</b></p>	<p>Dewatering basins remain in place at new and proposed drilling sites in these sections. Dewatering is complete at this time in all other sections. 11/16/07</p> <p>Dewatering basins remain for 345kV foundation work. 11/16/07</p> <p>Dewatering basins remain for 345kV foundation work. 11/16/07</p>	<p>Continue to monitor active areas and adjust controls as necessary. 11/16/07</p> <p>Continue to monitor. 11/16/07</p> <p>None at this time. 11/16/07</p>	<p>Dewatering containment areas were installed proactively.</p> <p>NA</p> <p>NA</p>
<p>Blasting</p>	<p>No blasting is proposed at this time. 11/16/07</p>	<p>None. 11/16/07</p>	<p>NA</p>
<p>Spills, soils and material storage.</p>	<p>Contractor receiving yard is set up near Shelland St. in Milford. See segment 3 report. 11/16/07</p>	<p>In general, store materials and equipment appropriately. Ensure that vehicles are equipped with spill kits. All construction vehicles should be parked at least 100 feet from a wetland or waterbody when feasible. 11/16/07</p>	<p>NA</p>
<p>Additional Observations</p>	<p>Non-project related activity was noted within the ROW off Sunset Dr. A trench was dug near the first structure and a pipe appears to have been installed to divert water from an unknown location. 1/18-11/16/07</p>	<p>Noted for the record. 1/18-11/16/07</p>	<p>NA</p>

**Next likely scheduled inspection:** Tuesday November 20, 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:** *Matt Kelly, BSC Group*

**Reviewer:** *Lee Curtis, BSC Group*



Oronoque Rd North (Milford): 345 kV foundation work is active in this area. Proper erosion controls are in place.



Pease Rd (Woodbridge): Tire ruts were noted within the wetland along the abandoned ROW. The vehicle seen in the distance is not parked in a wetland.



Brooksvale Ave (Hamden): Excess sediment has accumulated on the timber mat crossings within the access road at wetland #100.



Brooksvale Ave: The haybale detention basin, located to the south of wetland #100, is functioning properly.