

**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 14, 2007

**Inspector:** Matt Kelly

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

**Rainfall:** 1.17” of precipitation were recorded in the week since the last inspection with 0.69” of the total reported on 12/13. (NOAA data at New Haven, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	Clearing and access road construction appear to be complete in these sections at this time. 12/14/07	Continue to monitor active work areas and add controls as necessary. See EC section. 12/14/07	Not Applicable (NA)
Milford, CT, Orange CT, Woodbridge CT, Bethany CT, and Hamden CT	Stone pads remain in place at all entrances to access roads. 12/14/07	Continue to monitor for sediment tracking in active areas. Sweep roadways as necessary. 12/14/07	Active areas need regular attention
All access roads	Mats remain at the wetland crossings in these sections. 12/14/07	Continue to monitor. 12/14/07	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. 12/14/07	Continue to monitor and evaluate methods to protect the curb drop inlet and prevent sedimentation as needed. See Erosion Control Section for more detail. 12/14/07	NA
Milford, CT Caswell St/Bic Dr	The remaining access points (overhead & underground) have been	Continue to monitor and sweep roadway as necessary. If sediment	The remaining access points (overhead & underground) have been

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East Rutland	<p>stabilized with stone pads, but the adjacent catch basin is still not protected. 12/7/07</p> <p>The roadway was swept and cleaned of stone and sediment 12/14/07</p>	<p>tracking continues, catch basin protection should be provided. 12/14/07</p> <p>Continue to monitor. Sweep roadways as necessary. 12/14/07</p>	<p>stabilized with stone pads</p> <p>The roadway was swept and cleaned of stone and sediment</p>
<p>Foundation and site construction  <b>All sections</b></p> <p><b>Milford, Orange, and Woodbridge CT</b></p> <p>Milford, CT</p> <p>Orange, CT</p> <p>Woodbridge, CT</p>	<p>H- frame structure and lattice tower removal continues in all sections. 12/14/07</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. 12/14/07</p> <p>115-kV foundation work appears to be complete at this time within the ROW. off Naugatuck Ave Caswell St, and Shelland St in Milford. 12/14/07</p> <p>345-kV foundation work continues off Plains Rd, Oronoque Rd., Lexington Way, E. Rutland, Wheelers Farm Rd., and within Eisenhower Park. Foundation work has begun on West River St. 12/14/07</p> <p>345-kV foundation work continues off Ridge Rd and it has begun off Treat Ln. 12/14/07</p> <p>345-kV foundation work continues off the Pease Road/JCC section at this time. Structure installation continues. 12/14/07</p>	<p>Continue to monitor. 12/14/07</p> <p>Continue to monitor. See EC and Stabilization Sections. 12/14/07</p> <p>Continue to monitor. See EC Section. 12/7/07</p> <p>Continue to monitor active work areas. See EC Section. 12/14/07</p> <p>Continue to monitor active work areas. See EC Section. 12/14/07</p> <p>Continue to monitor active work areas. See EC Section. 12/14/07</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p>

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Hamden, CT	<p>Foundation work and structure installation appear to be complete in all other sections at this time. 12/14/07</p> <p>Pre-foundation holes are being drilled from Downs Rd (Bethany) to Gaylord Mtn. Rd. 12/14/07</p>	<p>None at this time. 12/7/07</p> <p>Continue to monitor active work areas. See EC Section. 12/14/07</p>	<p>NA</p> <p>NA</p>
<p>Erosion and sediment controls</p> <p>Milford &amp; Orange, Woodbridge, CT</p> <p>Wheelers Farm Rd</p>	<p>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. 12/14/07</p> <p>Pad reclamation is complete in most areas at this time. Exposed soils have been graded and mulched. 12/14/07</p> <p>Spoil piles remain within the ROW off Caswell St, Plains Rd, Oronoque Rd and E. Rutland Rd in Milford. Piles appear to be contained on site. 12/14/07</p> <p>Spoils are being removed from wetland areas and stored in upland areas within the ROW off Oronoque Rd and within Eisenhower Park. Proper controls are in place. 12/14/07</p> <p>Spoils remain piled in a wetland buffer, but they</p>	<p>None at this time. Continue to utilize the appropriate erosion control measures and stabilize disturbed soils as necessary. 12/14/07</p> <p>Continue to monitor. Additional erosion controls are recommended in some areas during 345-kV foundation work. See Stabilization Section. 12/14/07</p> <p>Remove spoil piles when feasible. 12/14/07</p> <p>Continue to monitor and adjust controls as necessary. 12/7/07</p> <p>Remove spoil piles from the buffer zone when</p>	<p>NA</p> <p>NA</p> <p>Needs attention when feasible</p> <p>NA</p> <p>Spoils have been contained with haybales</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
West River St	are now contained within haybale controls. 12/14/07	feasible. Add controls as necessary. 12/14/07	
	Silt fence in need of repair at structure #24016. 12/14/07	Repair and maintain controls as necessary. 12/14/07	Needs attention
	Silt fence in need of repair at structures #24023 & #24025. 12/14/07	Repair and maintain controls as necessary. 12/14/07	Needs attention
Woodbridge, CT Glen Dam Reservoir	Exposed soils remain on the slope adjacent to structure #3950. 8/24-12/14/07	Continue to monitor and stabilize disturbed areas when work is complete and activity will not return within 21 days. Add/maintain controls as necessary. Ensure sufficient stabilization for winter months. 12/14/07	Needs attention when feasible
Rimmon Rd	A new timbermat crane pad was installed at proposed structure #24105. The pad is located adjacent/in a tributary stream of Race Brook (12/7/07). A fiber roll was installed along the edge of the pad this week. 12/14/07	Continue to monitor. Add controls as necessary 12/14/07	A fiber roll was installed along the edge of the pad
JCC	Sediment was noted in the dry stream channel near structure #24119 (8/7/07). Sediment accumulation does not appear to have increased. 12/14/07	Continue to evaluate sediment accumulation within the stream channel. Carefully remove sediment during the dry season if it is greater than 2" in depth. 12/14/07	Needs evaluation
	Spoil piles remain within the ROW near structure #3932. Piles appear to be contained on site. 12/14/07	Remove spoil piles when feasible. 12/14/07	Needs attention when feasible
	Exposed soils and equipment ruts were observed in the wetland buffer near the JCC	Exposed soils/ruts should be graded and mulched. Continue to monitor and stabilize disturbed areas	Needs attention

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Hamden, CT</p> <p>West Todd Street/ Gaylord Mountain</p>	<p>buffer near the JCC parking lot (North). 11/30-12/14/07</p> <p>Equipment ruts and exposed soils have been graded and temporarily stabilized at the southern end of the JCC parking lot near structures 3931/24118. Additional controls have been added in this area. 12/14/07</p> <p>In approximately three areas, stormwater pooled along the perimeter controls and filtered through as concentrated 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. 12/14/07</p>	<p>stabilize disturbed areas when work is complete and activity will not return within 21 days. Add/maintain controls as necessary. Ensure sufficient stabilization for winter months. 12/14/07</p> <p>Continue to monitor until final stabilization is achieved and adjust controls as necessary. 12/14/07</p> <p>Monitor during large rain events and investigate additional solutions to prevent stormwater conveyances off site. Although good efforts were made to control stormwater flow, continue to improve on-site containment. 12/14/07</p>	<p>Equipment ruts and exposed soils have been graded and temporarily stabilized. Additional controls have been added</p> <p>Good efforts were made but <i>needs additional evaluation/monitoring</i></p>
<p>Brooksvale Ave</p>	<p>Some sediment remains in the wetland area located to the southwest of structure #3992. 12/14/07</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. 11/16-12/14/07</p>	<p>Evaluate sediment accumulation within the wetland. Carefully remove sediment from wetland if it is greater than 2" in depth. 12/14/07</p> <p>Continue to monitor. Controls should be installed to prevent further sedimentation to the wetlands. See Wetlands Section. 12/14/07</p>	<p>Needs evaluation</p> <p>Needs attention/evaluation</p>
<p>Willow Street</p>	<p>Spoils from foundation/grounding work remain on some of the timber</p>	<p>Continue to monitor and stabilize disturbed soils. Remove spoils from timber</p>	<p>Needs attention</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	mats at structure #4009. 9/21-12/14/07	mats. 12/14/07	
<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>East Rutland Road (western access point)</p> <p><b>Orange, CT</b></p> <p>Sunset Drive, Pine Tree Rd (east), Treat Lane, Lambert Rd, Russell Ave, Hunting hill Road, Racebrook Rd, and Route 34</p>	<p>The ACOE permit is in hand and approved wetland work continues. 12/14/07</p> <p>Timber mat crane pads remain adjacent to/in wetlands in these sections. 12/14/07</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. 12/14/07</p> <p>Construction of the wetland mitigation area along the Wepawaug River at Eisenhower Park appears to be complete at this time. 12/14/07</p> <p>Equipment ruts were observed in the wetland near structure #24023. 12/14/07</p> <p>A stone access road remains at the wetland crossing off East Rutland. An existing stone culvert was already in place here. 12/14/07</p> <p>Timber mat crane pads/crossings remain at the wetland areas here. Stone wetland crossings are in place at Lambert Rd and Treat Lane. 12/14/07</p>	<p>Follow general guidelines of the permit whenever work in wetlands occurs. 12/14/07</p> <p>Continue to monitor and add controls as necessary. 12/14/07</p> <p>Continue to monitor and add controls as necessary. 12/14/07</p> <p>Continue to monitor for stabilization and add controls as necessary. 12/14/07</p> <p>Fill and stabilize ruts with appropriate material. 12/14/07</p> <p>Continue to monitor. Install controls as necessary. 12/14/07</p> <p>Continue to monitor. 12/14/07</p>	<p>NA</p> <p>NA at this time</p> <p>NA at this time</p> <p>NA</p> <p>Needs attention</p> <p>NA at this time</p> <p>NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Clearview Lane to Rt 15	<p>Stone access roads and timber mat crossings remain in the wetland areas here. 12/14/07</p> <p>Two pieces of equipment were removed from the wetland area near structure #3903. 12/14/07</p>	<p>Continue to monitor. 12/14/07</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. Place spill kits beneath stationary equipment for leak and spill protection. 12/14/07</p>	<p>NA at this time</p> <p>Equipment was removed from the wetland area near structure #3903</p>
Woodbridge, CT Pease Road	<p>Mats remain in the potential wetland area here. 12/14/07</p> <p>Tire ruts were noted in a wetland area within the abandoned ROW here. 11/16-12/14/07</p>	<p>Continue to monitor. The contractor states that this wetland was removed from the most recent version of the D&amp;M plan, but flags were staked in the field. 12/14/07</p> <p>Fill and stabilize ruts with appropriate material. In general timber mats (or similar) should be used when it becomes necessary to access a wetland. 12/14/07</p>	<p>NA at this time</p> <p>Needs attention</p>
JCC/B’Nai Jacob	<p>Disassembled lattice tower/”H” frame structures have been removed from the wetland near the north end of the JCC parking lot. 12/14/07</p> <p>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. 12/14/07</p>	<p>None at this time. 12/14/07</p> <p>Continue to monitor. Adjust controls as necessary. 12/14/07</p>	<p>Disassembled lattice tower/”H” frame structures have been removed from the wetland</p> <p>NA at this time</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Rimmon Rd</p> <p>Oak Lane CC, Cow Path Lane, Salem Rd, Rimmon Rd, Brookwood Dr, Center Rd, Ansonia Rd, Manville Rd and Clear Ln to Rte 15</p> <p><b>Bethany, CT</b></p> <p>Morris to Hatfield</p> <p>Litchfield Turnpike</p>	<p>12/14/07</p>	<p>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. 12/14/07</p>	<p>Needs evaluation</p>
	<p>Disassembled lattice tower/"H" frame structures remain in the wetland near structure #24110. 12/14/07</p>	<p>Remove disassembled structures from the wetland area. 12/14/07</p>	<p>Needs attention</p>
	<p>A timbermat crane pad remains adjacent to/within a tributary stream of Race Brook near structure #24105. 12/14/07</p>	<p>Continue to monitor. 12/14/07</p>	<p>NA</p>
	<p>Timber mat crane pads remain within the wetlands in these sections. 12/14/07</p>	<p>Continue to monitor. 12/14/07</p>	<p>NA at this time</p>
	<p>A stone access road and timber mats are in place in the wetland areas in this section. 12/14/07</p>	<p>Continue to monitor. 12/14/07</p>	<p>NA</p>
<p>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). 12/14/07</p>	<p>Carefully remove sediment from wetland areas when timber mats are removed. See EC Section. 12/14/07</p>	<p>Needs evaluation/attention</p>	

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Hamden,CT</b></p> <p>West Todd St, Tom Swamp/Arrow Rd, Willow Street, Brooksvale Ave, and Old Lane Rd</p> <p>Brooksvale Ave</p> <p>Old Lane Road</p> <p>115-kV underground transmission line Old Lane Road</p>	<p>Temporary stone access roads and timber mats remain in some of the wetland areas in these sections. 12/14/07</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. 11/16-12/14/07</p> <p>Sediment remains in wetland #94. 10/5-12/14/07</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). 12/14/07</p>	<p>Continue to monitor. 12/14/07</p> <p>Carefully remove sediment from wetland areas when timber mats are removed. See EC Section. 12/14/07</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. 12/14/07</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. 12/14/07</p>	<p>NA at this time</p> <p>Needs evaluation/attention</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. 12/14/07</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</p>	<p>NA at this time</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
		construction activities. 12/14/07	
<p>Vegetative clearing or stabilization</p> <p>All active roads (all towns)</p> <p><b>Milford and Orange, CT</b></p> <p>Crane pad reclamation and restoration work appear complete at this time. Disturbed soils are being graded and mulched for temporary stabilization. 12/14/07</p> <p><b>Woodbridge, CT</b></p> <p>JCC</p> <p>B'Nai Jacob</p> <p><b>Hamden, CT</b></p> <p>Gaylord Mtn Rd/West Todd St</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. 12/14/07</p> <p>Soils remain exposed as a result of grounding activities. 10/5-12/14/07</p> <p>Wood chip piles remain in the ROW off Russell Ave in Orange. 12/14/07</p> <p>Hydro-seed was applied to disturbed areas. 12/14/07</p> <p>Disturbed areas were seeded and mulched for temporary stabilization. 12/14/07</p> <p>Mulch has been spread in washout areas near structure #3989 in an effort to temporarily stabilize disturbed soils.</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. 12/14/07</p> <p>Exposed soils should be seeded and mulched. Continue to monitor until stabilization is achieved. 12/14/07</p> <p>Wood chip piles should be removed from the ROW or spread in appropriate upland areas to a depth of 3" or less. 12/14/07</p> <p>Continue to monitor until stabilization is achieved. 12/14/07</p> <p>Continue to monitor for stabilization. Re-seed if necessary. 12/14/07</p> <p>Continue to monitor for stabilization. Re-seed if necessary. 12/14/07</p> <p>Continue to monitor. Mulched areas should be seeded for further stabilization. Stone fill or similar may be needed to</p>	<p>NA</p> <p>Needs attention</p> <p>Needs attention when feasible</p> <p>Disturbed soils are being graded and mulched for temporary stabilization</p> <p>NA</p> <p>NA</p> <p>Continue stabilization efforts</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Old Lane Road	12/14/07  The overhead access road has been stabilized with stone. Hydroseed was applied to exposed soils. 12/14/07	stabilize gullies/washouts. 12/14/07  Continue to monitor until stabilization is achieved. 12/14/07	NA
Dewatering <b>Milford, CT</b>  Naugatuck Ave, Caswell St, Plains Rd, and Oronoque Rd	Dewatering basins remain in place at new and proposed drilling sites in these sections. Dewatering is complete at this time in all other sections. 12/14/07	Continue to monitor active areas and adjust controls as necessary. 12/14/07	Dewatering containment areas were installed proactively.
<b>Orange, CT</b>	Dewatering basins remain for 345kV foundation work. 12/14/07	Continue to monitor. 12/14/07	NA
<b>Woodbridge, Bethany, and Hamden CT</b>	Dewatering basins remain for 345kV foundation work. 12/14/07	None at this time. 12/14/07	NA
Blasting	No blasting is proposed at this time. 12/14/07	None. 12/14/07	NA
Spills, soils and material storage.	Contractor receiving yard is set up near Shelland St. in Milford. See segment 3 report. 12/14/07	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. 12/14/07	NA
<b>Milford/ Orange, CT</b>  Whealers Farm Rd, West River St, Eisenhower Park and Rimmon Rd	Equipment such as drill rigs, a crane, boom trucks, a dozer, and a generator, was observed parked on timbermats in wetlands and/or within 100 feet from wetlands in these areas. 12/14/07	In general, all construction vehicles should be parked at least 100 feet from a wetland or waterbody when feasible. Monitor for leaks and remove equipment from wetland areas as soon as possible. 12/14/07	Needs attention
Additional Observations	Non-project related activity was noted within	Noted for the record. 1/18-12/7/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	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. 1/18-12/7/07		

**Next likely scheduled inspection:** Thursday December 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



Wheelers Farm (Milford): Foundation drilling continues at structure #24016.



Wheelers Farm: Silt fence in need of repair along the wetland boundary at structure #24016.



Eisenhower Park (Milford): Foundation work continues at structure #24026.



Ridge Rd (Orange): Foundation work is complete at structures #24034 and 24035.