

**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:** February 15, 2008

**Inspector:** Matt Kelly

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

**Rainfall:** 2.67” of precipitation were recorded since the last inspection with 1.98” of the total reported on 2/13. (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. 2/15/08  Stone pads remain in place at all entrances to access roads. New stone is being added to pads as necessary. 2/15/08	Continue to monitor active work areas and add controls as necessary. See EC section. 2/15/08  Continue to monitor for sediment tracking in active areas. Sweep roadways as necessary. 2/15/08	Not Applicable (NA)  Active areas need regular attention
Milford, CT  Caswell St/Bic Dr	Mats remain at the wetland crossings in these sections. 2/15/08  All access points (overhead & underground) have been stabilized with stone pads, but the adjacent catch basin is still not protected. 12/14-2/15/08	Continue to monitor. 2/15/08  Continue to monitor and sweep roadway as necessary. If sediment tracking continues, catch basin protection should be provided. 2/15/08	NA  The remaining access points (overhead & underground) have been stabilized with stone pads
Woodbridge, CT  Pease Rd	Sediment tracking was observed on Pease Road. Catch basin/curb inlet protection has not been provided. 1/24-2/15/08	Provide catch basin/curb inlet protection and sweep roadway as necessary. 2/15/08	Needs attention

Areas of Inspection	Observation	Recommended Action	Corrected Action
Foundation and site construction <b>All sections</b>	H- frame structure and lattice tower removal continues in all sections. 2/15/08	Continue to monitor. 2/15/08	NA
	115-kV foundation work appears to be complete at this time within the ROW. 2/15/08	Continue to monitor. See EC Section. 2/15/08	NA
<b>Woodbridge, Bethany, and Hamden CT</b>	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. 2/15/08	Continue to monitor. See EC and Stabilization Sections. 2/15/08	NA
<b>Milford, CT</b>	Foundation work and structure installation appears to be complete at this time. 2/15/08	Continue to monitor active work areas. See EC Section. 2/15/08	NA
<b>Orange, CT</b>	345-kV foundation work continues off Orange Center Rd, Race Brook Rd, Russell Ave, and Dogburn Rd. Structure installation continues in this section. 2/15/08	Continue to monitor active work areas. See EC Section. 2/15/08	NA
<b>Woodbridge, CT</b>	Structure installation continues off Rimmon Rd/B'Nai Jacob, Center Rd, and Cowpath Ln. Foundation work continues off Manville Rd, Woodbine Rd and Glen Dam. 2/15/08	Continue to monitor active work areas. See EC Section. 2/15/08	NA
<b>Hamden, CT</b>	Foundation work continues between Downs Road (Bethany) to Gaylord Mtn. Rd. No active foundation work was observed this week. 2/15/08	Continue to monitor active work areas. See EC Section. 2/15/08	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Erosion and sediment controls</p> <p>Milford &amp; Orange, Woodbridge, CT</p> <p>Plains Rd</p> <p>West River St</p> <p>Eisenhower Park</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. 2/15/08</p>	<p>None at this time. Continue to utilize the appropriate erosion control measures and stabilize disturbed soils as necessary. 2/15/08</p>	<p>NA</p>
	<p>Pad reclamation is complete in most areas at this time. Exposed soils have been graded and mulched. 2/15/08</p>	<p>Continue to monitor. Additional erosion controls are recommended in some areas during 345-kV foundation work. See Stabilization Section. 2/15/08</p>	<p>NA</p>
	<p>Spoil piles remain within the ROW off Orange Center Rd, Russell Ave, Dogwood Rd and Cowpath Ln. Piles appear to be contained in upland portions of the ROW. 2/15/08</p>	<p>Remove spoil piles when feasible. 2/15/08</p>	<p>Needs attention when feasible</p>
	<p>Exposed soils remain within the drainage swale located to the south of the substation. An erosive gully was observed here this week. 2/1-2/15/08</p>	<p>Fill ruts, from scouring, with an appropriate material and stabilize exposed soils. 2/15/08</p>	<p>Needs attention</p>
	<p>Excess sediment from foundation drilling was observed on wetland timbermats in this section. 1/24-2/15/08</p>	<p>Remove excess sediment from timbermat pads and add controls as necessary. See Wetland Section. 2/15/08</p>	<p>Needs attention when feasible</p>
	<p>Silt fence is in need of repair near structures #24023-25. 2/15/08</p> <p>Excess sediment from foundation drilling was observed on wetland timbermats in this section. 1/24-2/15/08</p>	<p>Repair/add controls as necessary. 2/15/08</p> <p>Remove excess sediment from timbermat pads and add controls as necessary. See Wetland Section. 2/15/08</p>	<p>Needs attention</p> <p>Needs attention when feasible</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
North St	1/24-2/15/08 Silt fence controls are in need of repair near structures #24026-27. 2/15/08	2/15/08 Repair/add controls as necessary. Remove excess sediment to restore capacity/function of controls. 2/15/08	Needs attention
Orange, CT	Excess sediment from foundation drilling was observed on wetland timber mats near structure #24030. 1/10-2/15/08	Remove excess sediment from mats and add controls as necessary. See Wetlands Section. 2/15/08	Needs attention when feasible
Treat Ln	Silt fence is in need of repair at structures #24030 & #24032. 2/15/08	Repair/add controls as necessary. 2/15/08	Needs attention
Pine Tree Dr	Silt fence in need of repair near structure #24036. 2/15/08	Repair/add controls as necessary. 2/15/08	Needs attention
Dogburn Rd	Silt fence has been repaired at structure #24042. 2/15/08	Maintain/add controls as necessary. 2/15/08	Silt fence has been repaired
Woodbridge, CT	Silt fence in need of repair and waterbars are no longer functional near structure #24077. 2/15/08	Repair/add controls as necessary. 2/15/08	Needs attention
Glen Dam Reservoir	Exposed soils have been temporarily stabilized with mulch near structure #3950. An erosive gully was observed here this week. 2/15/08	Continue to monitor for stabilization and add controls as necessary. Fill gully with appropriate material. 2/15/08	Exposed soils have been temporarily stabilized with mulch, but <i>erosive gully needs attention when feasible</i>
JCC	Sediment basins need to be cleaned and waterbars need attention. 2/15/08	Maintain/add controls as necessary. 2/15/08	Needs attention
JCC	Spoil piles remain within the ROW near structure #3932. Piles appear to be contained in an upland portion of the ROW. 2/15/08	Remove spoil piles when feasible. 2/15/08	Needs attention when feasible

Areas of Inspection	Observation	Recommended Action	Corrected Action
Manville Rd	<p>Silt fence is in need of repair near structure #24101. 2/7-2/15/08</p> <p>Sand, used during foundation installation, is being stored on an access road in a wetland area near structure #24103. 2/15/08</p>	<p>Repair/add controls as necessary. 2/15/08</p> <p>Continue to monitor and remove sand when feasible. Add controls if necessary. 2/15/08</p>	<p>Needs attention</p> <p>Needs evaluation</p>
<p><b>Bethany, CT</b> Litchfield Turnpike</p>	<p>Waterbars and sediment basins near wetland timber mat crossing need attention. 2/15/08</p>	<p>Monitor/clean sediment basins and maintain waterbars in this section. 2/15/08</p>	<p>Needs attention</p>
<p><b>Hamden, CT</b> West Todd Street/ Gaylord Mountain</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. 2/15/08</p> <p>Silt fence controls are at capacity along the perimeter of the ROW. The sediment basin near structure #3989 needs to be cleaned. 2/15/08</p> <p>Additional haybales were added to the sediment basin near structure #3992, but it appears additional controls are needed here. 2/7-2/15/08</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. 2/15/08</p> <p>Monitor and maintain controls as necessary to control and filter stormwater runoff. 2/15/08</p> <p>Continue to monitor and maintain controls to prevent further sedimentation to the wetlands. See Wetland Section. 2/15/08</p>	<p>Good efforts were made but <i>needs additional evaluation/monitoring</i></p> <p>Needs attention</p> <p>Additional haybales have been added to the sediment basin but <i>further attention is needed</i></p>
Brooksvale Ave	<p>Existing controls continue to function, but additional controls may be necessary. 2/15/08</p>	<p>Continue to monitor and add controls as necessary. 2/15/08</p>	<p>Needs evaluation</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Willow Street	Spoils from foundation/grounding work remain on some of the timber mats at structure #4009. 9/21-2/15/08	Continue to monitor and stabilize disturbed soils. Remove spoils from timber mats. 2/15/08	Needs attention when feasible
<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, Eisenhower Park, and North St</p> <p>East Rutland Road (western access point)</p>	<p>The ACOE permit is in hand and approved wetland work continues. 2/15/08</p> <p>Timber mat crane pads remain adjacent to/in wetlands in these sections. 2/15/08</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. 2/15/08</p> <p>Excess sediment from foundation drilling was observed on wetland timbermats in the ROW off West River St, North Street and within Eisenhower Park. 2/15/08</p> <p>A disassembled lattice tower was observed in the wetland near structure #24023. 2/1-2/15/08</p> <p>A stone access road remains at the wetland crossing off East Rutland. An existing stone culvert was already in place here. 2/15/08</p>	<p>Follow general guidelines of the permit whenever work in wetlands occurs. 2/15/08</p> <p>Continue to monitor and add controls as necessary. 2/15/08</p> <p>Continue to monitor and add controls as necessary. 2/15/08</p> <p>Remove sediment from wetland area. Evaluate sediment accumulation within the wetland when mats are removed. Carefully remove sediment during the dry season if it is found to be greater than 2" in depth. See EC Section. 2/1/08 2/15/08</p> <p>Remove the structure from the wetland. 2/15/08</p> <p>Continue to monitor. Install controls as necessary. 2/15/08</p>	<p>NA</p> <p>NA at this time</p> <p>NA at this time</p> <p>Needs attention when feasible</p> <p>Needs attention</p> <p>NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<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>Clearview Lane to Rt  15</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. 2/15/08</p> <p>Stone access roads and  timber mat crossings  remain in the wetland  areas here. 2/7/08</p>	<p>Continue to monitor.  2/15/08</p> <p>Continue to monitor.  2/7/08</p>	<p>NA at this time</p> <p>NA at this time</p>
<p><b>Woodbridge, CT</b></p> <p>Pease Road</p>	<p>Mats remain in the  potential wetland area  here. 2/15/08</p> <p>Tire ruts were noted in a  wetland area within the  abandoned ROW here.  11/16-2/15/08</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.  2/15/08</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.  2/15/08</p>	<p>NA at this time</p> <p>Needs attention</p>
<p>JCC/B’Nai Jacob</p> <p>Rimmon Rd</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.  2/15/08</p> <p>Sediment was noted in the  stream channel near  structure #24119 at the  JCC (8/7/07). No further  accumulation has been  observed. 2/15/08</p> <p>A timbermat crane pad  (installed 12/7/07)  remains adjacent to/within</p>	<p>Continue to monitor.  Adjust controls as  necessary. 2/15/08</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. 2/15/08</p> <p>Continue to monitor.  2/15/08</p>	<p>NA at this time</p> <p>Needs evaluation</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<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>a tributary stream of Race Brook near structure #24105. 2/15/08</p> <p>A disassembled “H” frame structure remains in the wetland here. 2/15/08</p> <p>Timber mat crane pads remain within the wetlands in these sections. 2/15/08</p>	<p>Remove structure from the wetland. 2/15/08</p> <p>Continue to monitor. 2/15/08</p>	<p>Needs attention</p> <p>NA at this time</p>
<p><b>Bethany, CT</b>  Morris to Hatfield</p>	<p>A stone access road and timber mats are in place in the wetland areas in this section. 2/15/08</p>	<p>Continue to monitor. 2/15/08</p>	<p>NA</p>
<p>Litchfield Turnpike</p> <p><b>Hamden, CT</b></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 #116 (between structures #3964 and #3965), #115 (between structures #3965 and #3966) and #114 (between structure #3966 and #3967). 2/15/08</p>	<p>Carefully remove sediment from wetland areas when timber mats are removed. See EC Section. 2/15/08</p>	<p>Needs evaluation/attention</p>
<p>West Todd St, Tom Swamp/Arrow Rd, Willow Street, Brooksvale Ave, and Old Lane Rd</p>	<p>Temporary stone access roads and timber mats remain in some of the wetland areas in these sections. 2/15/08</p>	<p>Continue to monitor. 2/15/08</p>	<p>NA at this time</p>
<p>West Todd Street</p>	<p>Sediment remains in the wetland area located to the southwest of structure #3992. 12/20/07-2/15/08</p>	<p>Evaluate sediment accumulation within the wetland. Carefully remove sediment from wetland if it is greater than 2” in depth. 2/15/08</p>	<p>Needs attention</p>
<p>Brooksvale Ave</p>	<p>Although sediment has been removed from the timber mats, some</p>	<p>Carefully remove sediment from wetland areas when timber mats are removed.</p>	<p>Needs evaluation/attention</p>



Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Old Lane Road</p> <p>115-kV underground transmission line Old Lane Road</p>	<p>sediment had seeped through the mats and into wetland #100. 2/15/08</p> <p>Sediment remains in wetland #94. 10/5-2/15/08</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). 2/15/08</p>	<p>2/15/08</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. 2/15/08</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. 2/15/08</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. 2/15/08</p>	<p>Wood turtles are considered 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. 2/15/08</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</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</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Milford and Orange, CT	feasible. Select shrubs, especially those adjacent to wetlands, also remain in most areas. 2/15/08	D&M plan. Provide as much buffer as possible for homeowners. 2/15/08	
	Soils remain exposed as a result of grounding activities. 10/5-2/15/08	Continue to monitor and stabilize disturbed areas when work is complete and activity will not return within 21 days. Continue to monitor until stabilization is achieved. 2/15/08	Needs evaluation/attention
	115 kV crane pad reclamation and restoration work appear complete at this time. Disturbed soils are being graded and mulched for temporary stabilization. 2/15/08	Continue to monitor until stabilization is achieved. 2/15/08	Disturbed soils are being graded and mulched for temporary stabilization
	Construction of the wetland mitigation area in Eisenhower Park appears to be complete at this time. Temporary stabilization measures are in place. 2/15/08	Continue to monitor until <i>final stabilization</i> is achieved. 2/15/08	NA
	Equipment ruts have been graded and stabilized with mulch in the wetland near structure #24023. 2/15/08	Continue to monitor until <i>final stabilization</i> is achieved. 2/15/08	NA
Woodbridge, CT	Wood chip piles remain in the ROW off Russell Ave in Orange. 2/15/08	Wood chip piles should be removed from the ROW or spread in appropriate upland areas to a depth of 3" or less. 2/15/08	Needs attention when feasible
	115 kV crane pad reclamation and restoration work continues at this time. Disturbed soils are being graded and mulched for temporary stabilization. 2/15/08	Continue to monitor until stabilization is achieved. 2/15/08	Disturbed soils are being graded and mulched for temporary stabilization

Areas of Inspection	Observation	Recommended Action	Corrected Action
JCC	2/15/08 Hydro-seed was applied to disturbed areas. 2/15/08	Continue to monitor until <i>final stabilization</i> is achieved. Re-seed if necessary. 2/15/08	NA
B'Nai Jacob	Disturbed areas have been seeded and mulched for temporary stabilization. 2/15/08	Continue to monitor until <i>final stabilization</i> is achieved. Re-seed if necessary. 2/15/08	NA
Glen Dam	Exposed soils near structure #3950 have been temporarily stabilized with mulch. 2/15/08	Continue to monitor until <i>final stabilization</i> is achieved. See EC Section. 2/15/08	NA
<b>Bethany and Hamden, CT</b>	115 kV crane pad reclamation and restoration work continues at this time. Disturbed soils are being graded and mulched for temporary stabilization. 2/15/08	Continue to monitor until <i>final stabilization</i> is achieved. 2/15/08	Disturbed soils are being graded and mulched for temporary stabilization
Litchfield Turnpike	Timber mats have been removed from the wetland near structure #3961. The wetland has been restored to original grade and exposed soils have been mulched. 2/15/08	Continue to monitor until <i>final stabilization</i> is achieved. 2/15/08	Wetland has been restored to original grade and exposed soils have been mulched
Gaylord Mtn Rd/West Todd St	Mulch has been spread in washout areas near structure #3989 in an effort to temporarily stabilize disturbed soils. 2/15/08	Continue to monitor. Mulched areas should be seeded for further stabilization. Stone fill or similar may be needed to stabilize gullies/washouts. 2/15/08	NA
Old Lane Road	The overhead access road has been stabilized with stone. Hydroseed was applied to exposed soils. 2/7/08	Continue to monitor until <i>final stabilization</i> is achieved. 2/7/08	NA
Dewatering	Dewatering appears	Continue to monitor active	Dewatering appears

Areas of Inspection	Observation	Recommended Action	Corrected Action
Milford, CT	complete in Milford at this time. 2/15/08	areas and adjust controls as necessary. 2/15/08	complete in Milford at this time
Orange, CT Woodbridge, Bethany, and Hamden CT	Dewatering basins remain for 345kV foundation work. 2/7/08	Continue to monitor. 2/7/08	NA
Rimmon Rd/B'Nai	The dewatering basin constructed from the spoil pile near structure #24108 in Woodbridge is no longer in use. 2/15/08	Continue to monitor and add controls as necessary. 2/15/08	The spoil pile dewatering basin is no longer being used
Russell Rd	Dewatering is being performed with dewatering trucks in this area. 2/15/08	Continue to monitor and add controls as necessary. 2/15/08	NA
Manville Rd	Frac tanks are in place for dewatering in this area. The dewatering basin is no longer functional. 2/15/08	Continue to monitor and add controls as necessary. 2/15/08	NA
Pease Rd	<p>Foundation dewatering is occurring within an upland portion of the ROW here. Filter bags are in place but the haybale perimeter has not yet been installed. The water appears to be confined to the upland portion of the ROW. 2/15/08</p> <p>Water from foundation drilling (in the Pease Road area) is being pumped to frac tanks, which are then hauled to the ROW off Pease Rd for dewatering. During transportation, a frac tank overflowed releasing slurry onto the Pease Rd ROW access. Sediment has been swept from Pease Rd. 2/7/08</p>	<p>Install haybale perimeter. Continue to monitor and add controls as necessary. 2/15/08</p> <p>Contain water within frac tanks during transportation. Evaluate alternate access roads and upland ROW areas for dewatering, as the Pease Road access is fairly steep. Contain and/or remove existing sediment from the access road. Sweep roadway as necessary. 2/7/08</p>	<p>Needs attention</p> <p>Sediment has been swept from Pease Rd</p> <p>Needs further attention/evaluation</p>



**Next likely scheduled  
inspection:**

Friday February 22, 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*



Plains Rd (Milford): Stormwater runoff has eroded the slope of the drainage swale between the ROW and the East Devon Substation.



Plains Rd: An additional view of the slope erosion within the drainage swale.



Brooksvale Ave (Hamden): Existing access controls remain functional, but additional controls are needed to help prevent sedimentation on the timber mat crossing and within the wetland.



Brooksvale Ave: A view of sediment accumulation on the timber mat crossing. Controls are needed on both sides of the access road, near wetland #100.