

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: October 8, 2008

Inspector: Matt Kelly

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

Rainfall: 0.30” of precipitation were recorded since the last inspection with 0.18” of the total occurring on 10/5 (NOAA data at New Haven, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways Milford, Orange, and Woodbridge, CT All Sections	Restoration efforts to access roads and adjacent roadways appear complete at this time. 10/8/08	Continue to monitor until all areas are stabilized with vegetation. 10/8/08	Not Applicable (NA)
Bethany, CT Litchfield Turnpike	The access road, including the timber mat crossings, is permanent and will remain. 10/8/08	Continue to monitor until the area is stabilized with vegetation. <i>See erosion control and stabilization section.</i> 10/8/08	NA (<i>See erosion control and stabilization section</i>)
Hamden, CT All sections	Access road and crane pad reclamation was active this week. 10/8/08	Continue to monitor. See EC Section. 10/8/08	Reclamation/Restoration is active here
Old Ln	Catch basin controls need attention here. 7/18-10/8/08	Provide and maintain catch basin protection. 10/8/08	Needs attention
Foundation and site construction All sections	H- frame structure and lattice tower removal appears to be complete at this time. 10/8/08	NA. 10/8/08	NA
	115-kV work appears to be complete within the ROW at this time. Restoration efforts continue. 10/8/08	Continue to monitor. See EC Section. 10/8/08	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	345-kV work appears to be complete within the ROW at this time. Restoration efforts continue 10/8/08	Continue to monitor. See EC Section. 10/8/08	NA
Erosion and sediment controls	Crews have made good efforts to temporarily stabilize most disturbed areas with hay mulch. Timber mats and erosion controls are being removed from stabilized areas. 10/8/08	None at this time. Continue to utilize the appropriate erosion control measures and stabilize disturbed soils as necessary. 10/8/08	NA
Milford, CT Lexington Way	Stormwater from a culvert beneath Hwy 15 is scouring a channel along the perimeter of the ROW near structure #3826. Exposed soils remain in this area. 8/14-10/8/08	Continue to monitor and stabilize exposed soils. Evaluate control options. 10/8/08	Needs attention/evaluation
East Rutland	Stormwater run-off had scoured a channel along the access road near structure #3827. No further scouring has been noted. 10/8/08	Continue to monitor and stabilize exposed soils. 10/8/08	Needs attention/evaluation
Wheeler's Farm Rd	In the past stormwater runoff caused minor scouring near structure #3832 and undermined the silt fence. No further scouring has been observed and approximately 70% vegetative cover has been noted in this area. 10/8/08	Replace silt fence controls with haybale controls. 10/8/08	No further scouring has been observed and approximately 70% vegetative cover has been noted. <i>Needs attention when feasible</i>
Eisenhower Park	A spoil pile remains in the wetland buffer here. 10/8/08	Remove pile from wetland buffer when feasible. 10/8/08	Needs attention when feasible
Eisenhower Park Mitigation Area	Soils in the mitigation area remain exposed, but appear to be contained on site. In general, all	Continue to monitor until final stabilization is achieved. Exposed soils should be seeded if grass	Needs attention

Areas of Inspection	Observation	Recommended Action	Corrected Action
Orange, CT	plantings appear to be doing well at this time. 10/8/08	growth is not observed now that the plantings are complete. 10/8/08	
Dogburn Rd	The erosive gully has been graded and temporarily stabilized with mulch near structure #24077. 10/8/08	Continue to monitor until final stabilization is achieved. 10/8/08	The erosive gully has been graded and mulched
Oak Ln CC	Exposed soils remained upgradient of a wetland following crane pad reclamation near structure #24082. 10/8/08.	Stabilize soils and continue to monitor until final stabilization is achieved. 10/8/08	Needs attention
	A stockpile remains in the ROW within a wetland buffer. The stockpile appears to be contained at this time. 10/8/08	Add controls to help contain the pile and remove from the ROW when feasible. 10/8/08	Needs attention
Woodbridge, CT	Haybale controls are needed along the wetland and stream channel where the access road has recently been restored. 10/2-10/8/08	Add controls and continue to monitor. 10/8/08	Needs attention
Pease Rd/JCC			
Bethany & Hamden, CT	Spoils remain on the ROW off Hatfield Rd, Downs to Gaylord Mtn Rd, & Brooksvale Ave. 10/8/08	Remove spoil piles during 345 kV restorations. 10/8/08	Remaining spoil piles need attention during 345 kV restoration efforts
Bethany, CT	Access road controls (waterbars and sediment basins) become overwhelmed during storm events and sediment from the access road continues to accumulate on some of the wetland crossings in this section. Sediment is migrating toward the watercourse. 10/8/08	Continue to monitor and add/maintain controls to prevent sediment migration to the wetlands. 10/8/08	Needs attention
Litchfield Tpk			
Downs Rd	A culvert beneath the access road is blocked and signs of erosion were	Evaluate culvert size and continue to monitor. Add controls as necessary.	Needs attention

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<p>Hamden, CT Gaylord Mountain (South)</p>	<p>observed along the access road. At this time no wetland impacts are apparent. 10/8/08</p> <p>A small swale was installed along the ROW perimeter and the access road in an attempt to help control/divert stormwater runoff. An erosive gully has been observed in the northern portion of the swale. Haybale controls have been installed within the swale. 10/8/08</p>	<p>10/8/08</p> <p>Continue to monitor until final stabilization is achieved. The swale remains functional but additional controls are needed to help control stormwater and erosion. 10/8/08</p>	<p>Haybale controls have been installed within the swale and sediment has been removed from the wetland <i>Needs additional attention</i></p>
<p>Gaylord Mountain (North)</p>	<p>Sediment is accumulating in the third sediment basin along the access road here. Additional controls/ stabilization measures may be necessary. Vegetative growth has been observed within the trench along the access road. 10/8/08</p>	<p>Remove sediment from the basin during 345 kV restoration efforts. 10/8/08</p>	<p>Sediment basins need attention during 345 kV restoration efforts</p>
<p>Brooksvale Ave</p>	<p>Existing controls continue to function at wetland #100, but additional controls may be necessary. The sediment basin is nearing capacity. 10/8/08</p>	<p>Continue to monitor and add/maintain controls as necessary. 10/8/08</p>	<p>Needs evaluation/ attention during 345 kV restoration efforts</p>
<p>Old Lane Rd</p>	<p>Access road reclamation appears complete at this time. Exposed soils have been temporarily stabilized with mulch 10/8/08</p>	<p>Continue to monitor until final vegetation is achieved. 10/8/08</p>	<p>NA</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p> <p>All sections</p>	<p>The ACOE permit is in hand and approved wetland work continues. 10/8/08</p> <p>Foundations for 115-kV structures that have been installed in wetlands (as approved) include: #10</p>	<p>Follow general guidelines of the permit whenever work in wetlands occurs. 10/8/08</p> <p>Continue to monitor and add controls as necessary. 10/8/08</p>	<p>NA</p> <p>NA at this time</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>approved) include: #'s 3836(2), 3837, 3838, 3839, 3843, 3868, 3869, 3870, 3874, 3881, 3899, 3905, 3908, 3912, 3913, 3914, 3915, 3916, 3917, 3918, 3923, 3941, 3947, 3992, 3993, & 4009. 10/8/08</p>		
	<p>Foundations for 345-kV structures that have been installed in wetlands (as approved) include: #'s 24023 (2), 24024, 24025, 24026, 24030, 24042, 24057, 24061, 24067, 24068, 24072 (2), 24090, 24091, 24092R, 24099, 24100, 24101, 24102, 24103, 24104, 24110, 24119(2), 24146, 24166, & 24179. 10/8/08</p>	<p>Continue to monitor and add controls as necessary. 10/8/08</p>	<p>NA at this time</p>
<p>Milford, CT East Rutland Road (western access point), Eisenhower Park</p>	<p>Permanent stone access roads remain at the wetland crossings in these areas. 10/8/08</p>	<p>NA 10/8/08</p>	<p>NA</p>
<p>Orange, CT Pine Tree Dr, Lambert Rd, Clearview Ln (Woodbridge)</p>	<p>Permanent stone access roads remain at the wetland crossings in these areas (as approved). 10/8/08</p>	<p>Continue to monitor. 10/8/08</p>	<p>NA</p>
<p>Woodbridge, CT Pease Rd/JCC/B'Nai</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. Vegetative growth has been observed in these sections. 10/8/08</p>	<p>Continue to monitor until <i>final stabilization is achieved.</i> 10/8/08</p>	<p>NA at this time</p>
<p>Cow Path Ln, Rimmon Rd, Brookwood Dr, Ansonia Rd, and Glen Dam</p>	<p>Permanent access roads remain in the wetlands in these sections (as permitted.) 10/8/08</p>	<p>Continue to monitor. 10/8/08</p>	<p>NA</p>
<p>Oak Ln CC</p>	<p>Crane pad reclamation has</p>	<p>Continue to monitor.</p>	<p>Crane pad reclamation</p>

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<p>Bethany, CT Litchfield Tpk, Hatfield Rd</p>	<p>been completed in the wetland area here. Wetland restoration appears complete. 10/8/08</p> <p>Stone access roads and timber mats are in place in the wetland areas in this section (as permitted). 10/2/08</p>	<p>10/8/08</p> <p>Continue to monitor. 10/2/08</p>	<p>has been completed</p> <p>NA</p>
<p>Litchfield Turnpike</p>	<p>Some sediment has accumulated on the permanent timber mat crossings and migrated to the wetlands at #115 (between structures #3965 and #3966) and #114 (between structure #3966 and #3967). 10/8/08</p>	<p>Evaluate methods to eliminate sediment migration from the access road to the wetlands. The contractor has stated that Geotextile material will be tacked to the surface of the timber mat crossings to help prevent sediment migration to the wetlands from the access road See EC Section. 10/8/08</p>	<p>Needs evaluation/attention during 345 kV restoration efforts</p>
<p>Hamden,CT West Todd St, Tom Swamp, Willow Street, and Brooksvale Ave,</p>	<p>Temporary stone access roads and timber mats remain in some of the wetland areas in these sections. 10/8/08</p>	<p>Continue to monitor. 10/8/08</p>	<p>NA at this time</p>
<p>Gaylord Mtn. Rd. (North)</p>	<p>Sediment remains in the wetland area located to the southwest of structure #3992. 12/20/07. No further accumulation has been observed and wetland vegetation has been noted. 10/8/08</p>	<p>Evaluate sediment accumulation within the wetland. Carefully remove sediment from wetland if it is greater than 2” in depth. 10/8/08</p>	<p>Needs evaluation/attention during 345 kV restoration efforts</p>
<p>(South)</p>	<p>The majority of sediment has been removed from the wetland area between structure #'s 3990-3991. 10/8/08</p>	<p>Continue to monitor. Stabilize exposed upland soils to help prevent further sedimentation. 10/8/08</p>	<p><i>Needs further attention</i></p>
<p>Brooksvale Ave</p>	<p>Sediment had seeped through the mats and into wetland #100. Sediment does not appear to be accumulating here.</p>	<p>Carefully remove sediment from wetland areas if it exceeds 2” in depth when timber mats are removed. Add haybale controls to</p>	<p>Needs evaluation/attention during 345 kV restoration efforts</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Whitney Ave	10/8/08 Sediment remains in the wetland near structure #24195. 10/8/08	prevent sedimentation from the access road. 10/8/08 Carefully remove sediment from wetland areas if it exceeds 2" in depth. 10/8/08	Needs evaluation/attention during 345 kV restoration efforts
State species of concern, threatened and endangered species. Milford to Hamden, CT Eisenhower Park, & Old Ln	According to the D&M plan, Wood Turtles are known to occur near the Wepawaug River at Eisenhower Park. 10/8/08 An Eastern Box turtle was observed in the Eisenhower Park section of the ROW on 5/9/08 and the Old Ln section in 2007. 10/8/08	If active work is to continue in this area after April 1 st , 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. 10/8/08 The area should receive the same attention as known, protected habitat area along the ROW. The dormant season has ended as of April 1 st and sweeps for turtles are required prior to accessing the site. 10/8/08	Ensure that field crews receive the appropriate training prior to the commencement of construction activities in these areas Sweeps are needed in this area during access for restoration activities.
Vegetative clearing or stabilization All active roads (all towns) Milford, CT Naugatuck Ave, Caswell St, Plains Rd, Oronoque Rd, Fresh	Vegetative clearing appears complete at this time. Most cleared 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. 10/8/08 Final vegetative stabilization has been achieved in these areas. 10/8/08	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. 10/8/08 NA 10/8/08	NA Final vegetative stabilization has been achieved

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Meadow Ln, W. River St , North St, Woodruff</p> <p>Lexington Way, E. Rutland, Wheelers Farm Rd, W. River St, Eisenhower Park</p>	<p>Vegetative growth has been noted in these areas. Approximately 60-70% vegetative cover exists; however, additional stabilization is needed in these areas. 10/8/08</p>	<p>Continue to monitor until <i>final stabilization</i> is achieved. 10/8/08</p>	<p>Vegetative growth has been noted but <i>additional attention is needed.</i></p>
<p>Orange, CT</p> <p>Rolling Ridge Rd, Pine Tree Dr, Lambert Rd, Sunset Dr, Hall Dr, Edward Ct, Racebrook Rd,</p>	<p>Final vegetative stabilization has been achieved in these areas. 10/8/08</p>	<p>NA 10/8/08</p>	<p>Final vegetative stabilization has been achieved</p>
<p>Treat Ln, Orange Center Rd, Russell Ave, Overland Dr, Saddle Ridge Rd, Rt 34, Dogburn Rd, Dogwood Rd, Hunting Hill Rd, and Hunting Hill Place</p>	<p>Vegetative growth has been observed in these restored locations. 10/8/08</p>	<p>Continue to monitor until <i>final stabilization</i> is achieved. 10/8/08</p>	<p>Vegetative growth has been noted</p>
<p>Woodbridge, CT</p> <p>Clearview Ln, Ansonia Rd, Manville Rd, Rimmon Rd/B'Nai, Center Rd, Woodbine Rd, and Clark Rd</p>	<p>Final vegetative stabilization has been achieved in these areas. 10/8/08</p>	<p>NA 10/8/08</p>	<p>Final vegetative stabilization has been achieved</p>
<p>Brookwood Rd, Salem Rd, Pease Rd/JCC, Cowpath Ln, Oak Lane CC, and Glen Dam</p>	<p>Vegetative growth has been noted in these restored locations. 10/8/08</p>	<p>Continue to monitor until <i>final stabilization</i> is achieved. 10/8/08</p>	<p>Vegetative growth has been noted</p>
<p>Brookwood Rd</p>	<p>A 2-foot woodchip pile has been noted within the ROW here. 10/8/08</p>	<p>Spread wood chips in the upland portions of the ROW or remove when feasible. 10/8/08</p>	<p>Needs attention</p>
<p>Bethany, CT</p> <p>Litchfield Tpk</p>	<p>115 kV & 345 kV restoration efforts appear complete in this section at this time. Vegetative growth has been noted. 10/8/08</p>	<p>Continue to monitor until <i>final stabilization</i> is achieved. 10/8/08</p>	<p>Reclamation/restoration efforts are complete</p>
	<p>The access road here is permanent, therefore timber mat wetland</p>	<p>The contractor has stated that Geotextile material will be tacked to the</p>	<p>Needs attention/evaluation</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Hamden, CT Tom Swamp Road and Willow Street Old Ln	crossings will remain. 10/8/08	surface of the timber mat crossings to help prevent sediment migration to the wetlands from the access road. 10/8/08	Site is temporarily stabilized Vegetative growth has been noted
	Access road and crane pad areas have been graded and temporarily stabilized with hay mulch. Soils appear stable at this time. 10/8/08	Continue to monitor until <i>final stabilization</i> is achieved. 10/8/08	
Dewatering Orange, CT Woodbridge, Bethany, and Hamden CT	Dewatering appears complete at this time. 10/8/08	NA. 10/8/08	NA
Blasting	No blasting is proposed at this time. 10/8/08	None. 10/8/08	NA
Spills, soils and material storage.	Contractor receiving yard is set up near Shelland St. in Milford. See segment 3 report. 10/8/08	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. 10/8/08	NA
Additional Observations	Vehicle tracks were observed in Eisenhower Park near the mitigation area. 8/14-10/8/08	Noted for the record. 8/14/08-10/8/08	NA
	Non-project related sedimentation has been observed in the roadway off Caswell Street/Bic Drive & Plains Rd in Milford. 10/8/08	Note for the record. 10/8/08	NA
	Non-project related soil piles have been observed within a wetland buffer off North St in Milford.	Note for the record. 10/8/08	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	10/8/08		

Next likely scheduled inspection: Friday October 17, 2008

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



West River St (Milford): Vegetative growth continues within the restored access road area. Final stabilization has been achieved here.



Eisenhower Park Mitigation Area (Milford): Exposed soils remain. Good vegetative growth has been noted.



Eisenhower Park Mitigation Area: The plantings continue to do well.



Eisenhower Park Mitigation Area: The mitigation area continues to provide habitat for numerous species of wildlife.



Dogburn Rd south (Orange): The erosive gully near structure #24077 has been graded and temporarily stabilized with mulch.



Dogburn Rd south: Exposed soils remained upgradient of a wetland following crane pad reclamation near structure #24082.



Oak Ln CC (Woodbridge): Reclamation and restoration efforts are complete here.



Oak Ln CC: View of the restored wetland impact area near structure #3905/24092.



Rimmon Rd/B'Nai (Woodbridge): Good vegetative cover has been noted within the cleared wetland. Final stabilization has been achieved in this section.



Rimmon Rd/B'Nai: Good vegetative cover has been noted within the restored access road and crane pad areas. Final stabilization has been achieved here.



Pease Rd/JCC (Woodbridge): Haybale controls are needed along the intermittent stream within the restored access road.



Pease Rd/JCC : View of the wetland restoration efforts near structure #24119.



Litchfield Tpk (Bethany): Access road controls are no longer functional near the permanent timber mat crossings.



Litchfield Tpk: Sediment from the access road is migrating to the watercourse at the permanent crossings.



Tom Swamp (Hamden): View of the restored access road.



Tom Swamp: View of the restored crane pad near structures #3994/24181.



Tom Swamp: View of restoration efforts near structure #3996.



Willow St (Hamden): View of the restoration efforts here. Soils appear stable at this time.



Willow St: View of the crane pad restoration efforts near structures #4009/24196.



Willow St: Additional view of the crane pad restoration efforts near structures #4009/24196.