

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 29, 2008

Inspector: Matt Kelly

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

Rainfall: 0.52” of precipitation were recorded since the last inspection with 0.52” of the total reported on 2/26. (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. 2/29/08 Stone pads remain in place at all entrances to access roads. New stone is being added to pads as necessary. 2/29/08	Continue to monitor active work areas and add controls as necessary. See EC section. 2/29/08 Continue to monitor for sediment tracking in active areas. Sweep roadways as necessary. 2/29/08	Not Applicable (NA) Active areas need regular attention
Milford, CT Caswell St/Bic Dr	Mats remain at the wetland crossings in these sections. 2/29/08 All access points (overhead & underground) have been stabilized with stone pads, but the adjacent catch basin is still not protected. 12/14-2/29/08	Continue to monitor. 2/29/08 Continue to monitor and sweep roadway as necessary. If sediment tracking continues, catch basin protection should be provided. 2/29/08	NA The remaining access points (overhead & underground) have been stabilized with stone pads
Woodbridge, CT Pease Rd	Catch basin/curb inlet protection has not been provided. No sediment tracking was observed this week. 1/24-2/29/08	Provide catch basin/curb inlet protection and sweep roadway as necessary. 2/29/08	Needs attention

Areas of Inspection	Observation	Recommended Action	Corrected Action
Foundation and site construction All sections	H- frame structure and lattice tower removal continues in all sections. 2/29/08	Continue to monitor. 2/29/08	NA
	115-kV foundation work appears to be complete at this time within the ROW. 2/29/08	Continue to monitor. See EC Section. 2/29/08	NA
Woodbridge, Bethany, and Hamden CT	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. 2/29/08	Continue to monitor. See EC and Stabilization Sections. 2/29/08	NA
Milford, CT	Foundation work and structure installation appears to be complete at this time. 2/29/08	Continue to monitor active work areas. See EC Section. 2/29/08	NA
Orange, CT	345-kV foundation work continues off Dogwood Rd, and Route 34. Structure installation continues. 2/29/08	Continue to monitor active work areas. See EC Section. 2/29/08	NA
Woodbridge, CT	345-kV foundation work continues off Clearview Ln, Ansonia Rd, and Glen Dam. Structure installation continues in this section. 2/29/08	Continue to monitor active work areas. See EC Section. 2/29/08	NA
Bethany, CT	345-kV foundation work continues off Litchfield Turnpike. 2/29/08	Continue to monitor active work areas. See EC Section. 2/29/08	NA
Hamden, CT	Foundation work continues between Downs Road (Bethany) to Gaylord Mtn. Rd. No active foundation work was observed this week. 2/29/08	Continue to monitor active work areas. See EC Section. 2/29/08	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Erosion and sediment controls</p> <p>Milford & 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. 2/29/08</p>	<p>None at this time. Continue to utilize the appropriate erosion control measures and stabilize disturbed soils as necessary. 2/29/08</p>	<p>NA</p>
	<p>Pad reclamation is complete in most areas at this time. Exposed soils have been graded and mulched. 2/29/08</p>	<p>Continue to monitor. Additional erosion controls are recommended in some areas during 345-kV foundation work. See Stabilization Section. 2/29/08</p>	<p>NA</p>
	<p>Spoil piles remain within the ROW off Orange Center Rd and Dogwood Rd. Piles appear to be contained in upland portions of the ROW. 2/29/08</p>	<p>Remove spoil piles when feasible. 2/29/08</p>	<p>Needs attention when feasible</p>
	<p>Exposed soils and an erosive gully remain within the drainage swale located to the south of the substation. 2/1-2/29/08</p>	<p>Fill gully with with an appropriate material and stabilize exposed soils. 2/29/08</p>	<p>Needs attention</p>
	<p>Excess sediment from foundation drilling was observed on wetland timber mats in this section. 1/24-2/29/08</p>	<p>Remove excess sediment from timber mat pads and add controls as necessary. See Wetland Section. 2/29/08</p>	<p>Needs attention when feasible</p>
	<p>Silt fence was repaired near structures #24023-25. 2/29/08</p> <p>Excess sediment from foundation drilling was observed on wetland timber mats in this section. 1/24-2/29/08</p>	<p>Continue to maintain and repair/add controls as necessary. 2/29/08</p> <p>Remove excess sediment from timber mat pads and add controls as necessary. See Wetland Section. 2/29/08</p>	<p>Silt fence was repaired</p> <p>Needs attention when feasible</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
North St	Silt fence is in need of repair near structures #24026-27. 2/15-2/29/08	Repair/add controls as necessary. Remove excess sediment to restore capacity/function of controls. 2/29/08	Needs attention
	Excess sediment from foundation drilling was observed on wetland timber mats near structure #24030. 1/10-2/29/08	Remove excess sediment from mats and add controls as necessary. See Wetlands Section. 2/29/08	Needs attention when feasible
	Silt fence is in need of repair at structures #24030 & #24032. 2/29/08	Repair/add controls as necessary. 2/29/08	Needs attention
Orange, CT			
Treat Ln	Silt fence was repaired at structure #24036. 2/29/08	Repair/add controls as necessary. 2/29/08	Silt fence was repaired
Dogburn Rd	Silt fence is in need of repair and waterbars are no longer functional near structure #24077. 2/15-2/29/08	Repair/add controls as necessary. 2/29/08	Needs attention
Dogwood Road and Route 34	Proper controls are in place and continue to function properly here. 2/29/08	Continue to monitor and adjust controls as necessary. 2/29/08	Proper controls are in place
Woodbridge, CT			
Glen Dam Reservoir	Exposed soils have been temporarily stabilized with mulch near structure #3950. The erosive gully remains. 2/15-2/29/08	Continue to monitor for stabilization and add controls as necessary. Fill gully with appropriate material. 2/29/08	Exposed soils have been temporarily stabilized with mulch <i>erosive gully needs attention when feasible</i>
	Sediment has been removed from the basins along the access road, and silt fence and waterbars have been repaired/re-established. 2/29/08	Continue to monitor and maintain/add controls as necessary. 2/29/08	Sediment has been removed from the basins along the access road, and silt fence and waterbars have been repaired.
JCC	Spoil piles remain within the ROW near structure #3932. Piles appear to be contained in an upland portion of the ROW.	Remove spoil piles when feasible. 2/29/08	Needs attention when feasible

Areas of Inspection	Observation	Recommended Action	Corrected Action
Clearview Ln	2/29/08 Spoils remain within a wetland buffer in the ROW near structure #24090. 2/29/08	Remove spoils from wetland buffer and store in an appropriate upland location. 2/29/08	Needs attention
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 (4/27/07). This only occurs during large rain events and wetland resource areas were not affected by this off site flow. 2/29/08	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. 2/29/08	Good efforts were made but <i>needs additional evaluation/monitoring</i>
	Silt fence controls are at capacity along the perimeter of the ROW. The sediment basin near structure #3989 needs to be cleaned. 2/29/08	Monitor and maintain controls as necessary to control and filter stormwater runoff. 2/29/08	Needs attention
	Additional haybales were added to the sediment basin near structure #3992, but it appears additional controls are needed here. 2/29/08	Continue to monitor and maintain controls to prevent further sedimentation to the wetlands. See Wetland Section. 2/29/08	Additional haybales have been added to the sediment basin but <i>further attention is needed</i>
Brooksvale Ave	Existing controls continue to function, but additional controls may be necessary. 2/29/08	Continue to monitor and add controls as necessary. 2/29/08	Needs attention
	Sediment had once again accumulated on the timber mat crossing at wetland #100 last week. 2/29/08	Continue to monitor and remove excess sediment from timber mat crossings. 2/29/08	Needs attention
Willow Street	Spoils from foundation/grounding work remain on some of the timber mats at structure #4009. 9/21-2/29/08	Continue to monitor and stabilize disturbed soils. Remove spoils from timber mats. 2/29/08	Needs attention when feasible

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Inland Wetland and Watercourse encroachment and mitigation</p> <p>Milford, CT</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>Orange, CT</p> <p>Sunset Drive, Pine Tree Rd (east), Treat Lane, Lambert Rd, Russell Ave, Hunting hill Road, Racebrook Rd, and Route 34 Clearview</p>	<p>The ACOE permit is in hand and approved wetland work continues. 2/29/08</p> <p>Timber mat crane pads remain adjacent to/in wetlands in these sections. 2/29/08</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. 2/29/08</p> <p>Excess sediment from foundation drilling was observed on wetland timber mats in the ROW off West River St, North Street, and within Eisenhower Park. 2/29/08</p> <p>Three disassembled lattice towers were observed in wetland areas off West River St. 2/29/08</p> <p>A stone access road remains at the wetland crossing off East Rutland. An existing stone culvert was already in place here. 2/29/08</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. 2/29/08</p>	<p>Follow general guidelines of the permit whenever work in wetlands occurs. 2/29/08</p> <p>Continue to monitor and add controls as necessary. 2/29/08</p> <p>Continue to monitor and add controls as necessary. 2/29/08</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. 2/29/08</p> <p>Remove structures from the wetlands when feasible. 2/29/08</p> <p>Continue to monitor. Install controls as necessary. 2/29/08</p> <p>Continue to monitor. 2/29/08</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> <p>NA at this time</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Ln to Rt 15 Woodbridge, CT Pease Road	Stone access roads and timber mat crossings remain in the wetland areas here. 2/29/08	Continue to monitor. 2/29/08	NA at this time
	Mats remain in the potential wetland area here. 2/29/08	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. 2/29/08	NA at this time
	Tire ruts were noted in a wetland area within the abandoned ROW here. 11/16-2/29/08	Fill and stabilize ruts with appropriate material. In general timber mats (or similar) should be used when it becomes necessary to access a wetland. 2/29/08	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. 2/29/08	Continue to monitor. Adjust controls as necessary. 2/29/08	NA at this time
	Sediment was noted in the stream channel near structure #24119 at the JCC (8/7/07). No further accumulation has been observed. 2/29/08	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. 2/29/08	Needs evaluation
Rimmon Rd	A timber mat crane pad (installed for lattice tower removal 12/7/07) remains adjacent to/within a tributary stream of Race Brook near structure #24105. 2/29/08	Continue to monitor. 2/29/08	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Oak Lane CC, Cow Path Lane, Salem Rd, Rimmon Rd, Brookwood Dr, Center Rd, Ansonia Rd, Manville Rd and Clear Ln to Rte 15	The disassembled “H” frame structure was removed from the wetland here. 2/29/08 Timber mat crane pads remain within the wetlands in these sections. 2/29/08	NA 2/29/08 Continue to monitor. 2/29/08	The disassembled “H” frame structure was removed from the wetland here NA at this time
Glen Dam Bethany, CT	A dissembled lattice tower remains in a wetland between structures #24140-40. 2/25-2/29/08	Remove structure from the wetland. 2/29/08	Needs attention
Morris to Hatfield Litchfield Turnpike	A stone access road and timber mats are in place in the wetland areas in this section. 2/29/08	Continue to monitor. 2/29/08	NA
Hamden,CT	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). 2/29/08	Carefully remove sediment from wetland areas when timber mats are removed. See EC Section. 2/29/08	Needs evaluation/attention
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. 2/29/08	Continue to monitor. 2/29/08	NA at this time
West Todd Street	Sediment remains in the wetland area located to the southwest of structure #3992. 12/20/07-2/29/08	Evaluate sediment accumulation within the wetland. Carefully remove sediment from wetland if it is greater than 2” in depth. 2/29/08	Needs attention
Brooksvale Ave	Sediment had seeped through the mats and into	Carefully remove sediment from wetland areas when	Needs evaluation/attention

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Old Lane Road</p> <p>115-kV underground transmission line Old Lane Road</p>	<p>wetland #100. 2/29/08</p> <p>Sediment remains in wetland #94. 10/5-2/29/08</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). 2/29/08</p>	<p>timber mats are removed. 2/29/08</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. 2/29/08</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. 2/29/08</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&M plan, Wood Turtles are known to occur near the Wepawaug River at Eisenhower Park. 2/29/08</p>	<p>Wood turtles are considered dormant from November 1st to April 1st 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. 2/29/08</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	<p>feasible. Select shrubs, especially those adjacent to wetlands, also remain in most areas. 2/29/08</p> <p>Soils remain exposed as a result of grounding activities. 10/5-2/29/08</p> <p>115 kV crane pad reclamation and restoration work appear complete at this time. Disturbed soils are being graded and mulched for temporary stabilization. 2/29/08</p> <p>Construction of the wetland mitigation area in Eisenhower Park appears to be complete at this time. Temporary stabilization measures are in place. 2/29/08</p>	<p>D&M plan. Provide as much buffer as possible for homeowners. 2/29/08</p> <p>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. 2/29/08</p> <p>Continue to monitor until stabilization is achieved. 2/29/08</p> <p>Continue to monitor until <i>final stabilization</i> is achieved. 2/29/08</p>	<p>Needs evaluation/attention</p> <p>Disturbed soils are being graded and mulched for temporary stabilization</p> <p>NA</p>
Woodbridge, CT	<p>Wood chip piles remain in the ROW off Russell Ave in Orange. 2/29/08</p> <p>115 kV crane pad reclamation and restoration work continues at this time. Disturbed soils are being graded and mulched for temporary stabilization. 2/29/08</p>	<p>Wood chip piles should be removed from the ROW or spread in appropriate upland areas to a depth of 3" or less. 2/29/08</p> <p>Continue to monitor until stabilization is achieved. 2/29/08</p>	<p>Needs attention when feasible</p> <p>Disturbed soils are being graded and mulched for temporary stabilization</p>
Glen Dam	<p>Exposed soils near structure #3950 have been temporarily stabilized with mulch. 2/29/08</p>	<p>Continue to monitor until <i>final stabilization</i> is achieved. 2/29/08</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Bethany and Hamden, CT</p> <p>Gaylord Mtn Rd/West Todd St</p> <p>Old Lane Road</p>	<p>115 kV crane pad reclamation and restoration work continues at this time. Disturbed soils are being graded and mulched for temporary stabilization. 2/29/08</p> <p>Mulch has been spread in washout areas near structure #3989 in an effort to temporarily stabilize disturbed soils. 2/29/08</p> <p>The overhead access road has been stabilized with stone. Hydroseed was applied to exposed soils. 2/29/08</p>	<p>Continue to monitor until <i>final stabilization</i> is achieved. 2/29/08</p> <p>Continue to monitor. Mulched areas should be seeded for further stabilization. Stone fill or similar may be needed to stabilize gullies/washouts. 2/29/08</p> <p>Continue to monitor until <i>final stabilization</i> is achieved. 2/29/08</p>	<p>Disturbed soils are being graded and mulched for temporary stabilization</p> <p>NA</p> <p>NA</p>
<p>Dewatering</p> <p>Milford, CT</p> <p>Orange, CT Woodbridge, Bethany, and Hamden CT</p> <p>Manville Rd, Ansonia Rd</p> <p>Pease Rd</p>	<p>Dewatering appears complete in Milford at this time. 2/29/08</p> <p>Dewatering basins remain for 345kV foundation work. 2/29/08</p> <p>Frac tanks are in place for dewatering in this area. Dewatering basins are no longer functional. 2/29/08</p> <p>Foundation dewatering has occurred in the past 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. Dewatering was observed this week. 2/29/08</p>	<p>Continue to monitor active areas and adjust controls as necessary. 2/29/08</p> <p>Continue to monitor. 2/29/08</p> <p>Continue to monitor and add controls as necessary. 2/29/08</p> <p>Install haybale perimeter. Continue to monitor and add controls as necessary. 2/29/08</p>	<p>Dewatering appears complete in Milford at this time</p> <p>NA</p> <p>NA</p> <p>Needs attention</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	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. 2/29/08	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. 2/29/08	Sediment has been swept from Pease Rd Needs further attention/evaluation
Blasting	No blasting is proposed at this time. 2/29/08	None. 2/29/08	NA
Spills, soils and material storage.	Contractor receiving yard is set up near Shelland St. in Milford. See segment 3 report. 2/29/08	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. 2/29/08	NA
Milford, CT West River St	A small diesel fuel spill was observed on the timbermat pad near proposed structure #24023. The affected timbermats were removed from the ROW. 2/29/08	Continue to monitor the wetland area for signs of the spill. In general, proactively check equipment for leaks and use spill control materials when performing maintenance during refueling. 2/29/08	Needs evaluation/attention
Orange, CT Racebrook Rd	The gas-powered generator was removed from the wetland area. 2/29/08	In general, all construction equipment should be stored at least 100 feet from a wetland or waterbody when feasible. Monitor for leaks and remove equipment from wetland areas as soon as possible. 2/29/08	The gas-powered generator was removed from the wetland area
Russell Ave	The dozer was removed from the wetland here. 2/29/08	In general, all construction vehicles should be parked at least 100 feet from a wetland or waterbody	The dozer was removed from the wetland here.

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Woodbridge, CT Manville Rd</p>	<p>The dozer was removed from the wetland here. 2/29/08</p>	<p>wetland or waterbody when feasible. Monitor for leaks and remove equipment from wetland areas as soon as possible. 2/29/08</p> <p>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. 2/29/08</p>	<p>The dozer was removed from the wetland here.</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. 1/18/07-2/29/08</p>	<p>Noted for the record. 1/18/07-2/29/08</p>	<p>NA</p>

Next likely scheduled inspection: Thursday March 6, 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



Dogwood Rd (Orange): Foundation installation appears complete at structure #24065.



Dogwood Rd: Erosion controls are in place and functioning properly.



Glen Dam (Woodbridge): Access road controls have been improved. Water bars were re-established, hay bale check dams were installed, terracing was implemented, and mulch was applied as a temporary stabilization measure.



Glen Dam: Sediment has been removed from the basins along the access road, returning function to the sediment basins.