

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 12, 2007

Inspector: Matt Kelly

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

Rainfall: 0.84” of precipitation were recorded in the week since the last inspection with 0.40” of the total reported on 10/11. (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. 10/12/07	Continue to monitor active work areas and add controls as necessary. See EC section. 10/12/07	Not Applicable (NA)
	Stone pads remain in place at all entrances to access roads. 10/12/07	Continue to monitor for sediment tracking in active areas. Sweep roadways as necessary. 10/12/07	Active areas need regular attention
	Mats remain at the wetland crossings in these sections. 10/12/07	Continue to monitor. 10/12/07	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) was provided at those catch basins located immediately adjacent to the constructed access roads. 10/12/07	Continue to monitor and evaluate methods to protect the curb drop inlet and prevent sedimentation as needed. See Erosion Control Section for more detail. 10/12/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Milford & Orange, CT	Pad reclamation is complete in most areas at this time. Exposed soils have been graded and mulched. 10/12/07	Continue to monitor. See Stabilization section. Additional erosion controls are recommended in some areas during 345-kV foundation work. See Stabilization Section. 10/12/07	NA
Woodbridge, CT Glen Dam Reservoir	Sediment has accumulated in the stone sediment traps here (8/2/07) and waterbars are no longer functional. 10/5-10/12/07	Sediment should be removed from the stone traps in order to maintain proper function. Stormwater will not be filtered properly if traps become overwhelmed with sediment. Repair waterbars. 10/5/07	Needs attention
	Exposed soils remain on the slope adjacent to structure #3950. 8/24-10/12/07	Exposed soils should be seeded and mulched when feasible. 10/12/07	Needs attention
JCC	Silt fence is in need of repair near structure #24119. Sediment was noted in the dry stream channel here. 8/7-10/12/07	Continue to monitor and repair and maintain as necessary. Evaluate sediment accumulation within the stream channel. Carefully remove sediment during the dry season if it is greater than 2" in depth. 10/12/07	Needs attention
	Silt fence has been installed along the wetland boundary to prevent spoils from entering the wetland area. 10/12/07	Continue to monitor until spoil piles are removed. Maintain controls as necessary. 10/12/07	Silt fence has been added along the wetland boundary
Bethany, CT Litchfield Turnpike	Excess sediment has accumulated on the timber mat wetland crossings within the	Continue to monitor. Sediment should be removed from the timber mats as soon as possible	Needs evaluation/attention

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Hamden, CT Tom Swamp Rd/Arrow Rd</p>	<p>access road here. Sediment was observed within the wetlands at several crossings. 10/12/07</p>	<p>and water bars, or similar, should be installed to prevent further sedimentation to wetlands. See Wetlands Section. 10/12/07</p>	
	<p>Temporary culverts are in place within the access roads here. Stone sediment traps and haybale check dams remain at the outlets. Sediment accumulation was removed from the stone trap at the 2nd culvert outlet off Tom Swamp (east) and remains piled on top of the stone sediment trap. 7/6-10/12/07</p>	<p>Continue to monitor and add/maintain controls as necessary and avoid piling sediment on top of the stone sediment trap. 10/12/07</p>	<p>Proper controls are in place but still needs attention</p>
<p>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. 10/12/07</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 the on-site containment. 10/12/07</p>	<p>Good efforts were made but needs additional evaluation/monitoring</p>
	<p>A gap remains in the haybale line at the culvert outlet off West Todd (east) (first noted 4/20/07). Sediment within the stone trap has begun to stabilize with vegetation. Some sediment remains in the adjacent wetland from previous rain events (first noted 4/20/07). 10/12/07</p>	<p>Repair and reinforce controls. Carefully remove sediment from wetland if it is greater than 2" in depth. Although sediment within the stone trap has stabilized with vegetation it should be removed when feasible to maintain proper function. 10/12/07</p>	<p>Needs attention</p>
	<p>A length of culvert pipe</p>	<p>The culvert pipe should</p>	<p>Needs attention</p>

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<p>Brooksvale Rd</p> <p>Willow Street</p> <p>Old Lane Road</p>	<p>remains in the wetland here. 10/12/07</p> <p>Sediment has accumulated within, and migrated beyond, the haybale sediment trap near wetland #100.</p> <p>Additional controls are needed along Willow Brook at structure #4009. Spoils from foundation/grounding work remain on some of the timber mats here. 9/21-10/12/07</p> <p>Additional controls, such as haybale and stone check dams, have been installed along the access road to control and slow stormwater flow in this section. 10/12/07</p>	<p>be removed from the wetland area when feasible. 10/12/07</p> <p>Remove excess sediment from the sediment trap and extend haybale line as necessary. 10/12/07</p> <p>Remove spoils from timber mats at structure #4009. Install additional erosion controls along Willow Brook and stabilize disturbed soils. 10/12/07</p> <p>Continue to monitor and add/maintain controls as necessary. 10/12/07</p>	<p>Needs attention</p> <p>Needs attention</p> <p>Additional controls were installed along the access road in an effort to prevent sediment migration into wetland #94</p>
<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 and Eisenhower Park</p>	<p>The ACOE permit is in hand and approved wetland work continues. 10/12/07</p> <p>Timber mat crane pads remain adjacent to/in wetlands in these sections. An additional timber mat crane pad was installed near proposed structure #3804. 10/12/07</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. 10/12/07</p>	<p>Follow general guidelines of the permit whenever work in wetlands occurs. 10/12/07</p> <p>Continue to monitor and add controls as necessary. 10/12/07</p> <p>Continue to monitor and add controls as necessary. 10/12/07</p>	<p>NA</p> <p>NA at this time</p> <p>NA at this time</p>

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Eisenhower Park	The proposed wetland mitigation area has been staked/delineated along the Wepawaug River. 10/12/07	Continue to monitor and add controls as necessary. 10/12/07	NA
East Rutland Road (western access point)	A stone access road remains at the wetland crossing off East Rutland. An existing stone culvert was already in place here. 10/12/07	Continue to monitor. Install controls as necessary. 10/12/07	NA at this time
Orange, CT Sunset Drive, Pine Tree Rd (east), Treat Lane, Lambert Rd, Russell Ave, Hunting hill Road, Racebrook Rd, and Route 34	Timber mat crane pads/crossings remain at the wetland areas here. Stone wetland crossings are in place at Lambert Rd and Treat Lane. 10/12/07	Continue to monitor. 10/12/07	NA at this time.
Clearview Lane to Rt 15	Stone access roads and timber mat crossings remain in the wetland areas here. 10/12/07	Continue to monitor. 10/12/07	NA at this time
Woodbridge, CT Pease Road/JCC/B'Nai Jacob	Mats remain in the potential wetland area near Pease Road. 10/12/07	Continue to monitor. The contractor states that this wetland was removed from the most recent version of the D&M plan, but flags were staked in the field. 10/12/07	NA at this time
	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. 10/12/07	Continue to monitor. Adjust controls as necessary. 10/12/07	NA at this time
	Sediment was noted in the stream channel near structure #24119 at the JCC. 8/7-10-12/07 Silt fence was installed along the wetland boundary here. 10/12/07	Continue to monitor. Evaluate sediment accumulation within the stream channel. Carefully remove sediment during the dry season if it is greater than	Needs attention

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<p>Oak Lane CC, Cow Path Lane, Salem Rd, Rimmon Rd, Brookwood Dr, Center Rd, Ansonia Rd, Manville Rd and Clear Ln to Rte15</p>	<p>here. 10/12/07</p> <p>Timber mat crane pads remain within the wetlands in these sections. 10/12/07</p>	<p>season if it is greater than 2” in depth. See EC Section. 10/12/07</p> <p>Continue to monitor. 10/12/07</p>	<p>NA at this time</p>
<p>Bethany, CT Morris to Hatfield</p>	<p>A stone access road and timber mats have been constructed/installed in the wetland areas in this section. 10/12/07</p>	<p>Continue to monitor. 10/12/07</p>	<p>NA at this time</p>
<p>Litchfield Turnpike</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). 10/12/07</p>	<p>Carefully remove sediment from wetland areas when timber mats are removed. See EC Section. 10/12/07</p>	<p>Needs evaluation/attention</p>
<p>Hamden,CT 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. 10/12/07</p>	<p>Continue to monitor. 10/12/07</p>	<p>NA at this time</p>
<p>Old Lane Road</p>	<p>Sediment remains in wetland #94. 10/5-10/12/07 Additional controls were installed upgradient of the wetland in an effort to prevent further sedimentation. 10/12/07</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. 10/12/07</p>	<p>Needs attention</p>
<p>115-kV underground transmission line Old</p>	<p>Turbid water was noted in the wetland across from the overhead access</p>	<p>Evaluate sediment accumulation within the adjacent wetland.</p>	<p>Needs evaluation</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Lane Road	road during previous inspections (during 115-kV underground work). 10/12/07	Carefully remove sediment from the wetland if it is greater than 2' in depth. 10/12/07	
State species of concern, threatened and endangered species.	According to the D&M plan, Wood Turtles are known to occur near the Wepawaug River at Eisenhower Park. 10/12/07	Since wood turtles are no longer dormant and active work is occurring here, field crews should receive the appropriate training in the recognition and removal of individual wood turtles from the construction area. 4/5-10/12/07	Contractors stated that field crews have received the appropriate training and sweeps have occurred and will occur during active work.
<p>Vegetative clearing or stabilization</p> <p>All active roads (all towns)</p> <p>Milford and Orange, CT</p> <p>Woodbridge, CT</p> <p>JCC</p> <p>B'Nai Jacob</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. 10/12/07</p> <p>Soils remain exposed as a result of grounding activities. 10/12/07</p> <p>Crane pad reclamation and restoration work appear complete at this time. Disturbed soils are being graded and mulched for temporary stabilization. 10/12/07</p> <p>Hydro-seed was applied to disturbed areas. Grass growth was noted in previous weeks. 10/12/07</p>	<p>Continue to retain appropriate vegetation for stabilization. Retain as much vegetation as possible for screening. Confirm that clearing/cutting is limited only to areas defined in D&M plan. Provide as much buffer as possible for homeowners. 10/12/07</p> <p>Exposed soils should be seeded and mulched. Continue to monitor until stabilization is achieved. 10/12/07</p> <p>Continue to monitor until stabilization is achieved. 10/12/07</p> <p>Continue to monitor for stabilization. Re-seed if necessary. 10/12/07</p>	<p>NA</p> <p>Needs attention</p> <p>Disturbed soils are being graded and mulched for temporary stabilization</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Hamden, CT</p>	<p>Disturbed areas were seeded and mulched for temporary stabilization. Grass growth was noted in previous weeks. 10/12/07</p> <p>Mulch has been spread in washout areas near structure #3989 in an effort to temporarily stabilize disturbed soils. 10/12/07.</p> <p>The overhead access road off Old Lane Road has been stabilized with stone. Hydroseed was applied to exposed soils. 10/12/07</p>	<p>Continue to monitor for stabilization. Re-seed if necessary. 10/12/07</p> <p>Continue to monitor. Mulched areas should be seeded for further stabilization. Stone fill or similar may be needed to stabilize gullies/ washouts. 10/12/07</p> <p>Continue to monitor until stabilization is achieved. 10/12/07</p>	<p>NA</p> <p>Continue stabilization efforts</p> <p>NA</p>
<p>Dewatering</p> <p>Milford, CT</p> <p>Naugatuck Ave, Caswell St, and Plains Rd</p> <p>Orange, CT</p> <p>Woodbridge, Bethany, and Hamden CT</p>	<p>Dewatering basins remain in place at new and propose drilling sites in these sections. Dewatering is complete at this time in all other sections. 10/12/07</p> <p>Dewatering basins have been installed proactively for 345kV foundation work. 10/12/07</p> <p>Dewatering activities appear to be complete in these sections at this time 10/12/07</p>	<p>Continue to monitor active areas and adjust controls as necessary. 10/12/07</p> <p>Continue to monitor. 10/12/07</p> <p>None at this time. 10/12/07</p>	<p>Dewatering containment areas were installed proactively.</p> <p>Dewatering basins have been installed proactively for 345kV foundation work</p> <p>NA</p>
<p>Blasting</p>	<p>No blasting is proposed at this time. 10/12/07</p>	<p>None. 10/12/07</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Spills, soils and material storage.	Contractor receiving yard is set up near Shelland St. in Milford. See segment 3 report. 10/12/07	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. 10/12/07	NA
Additional Observations	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. 1/18-10/12/07	Noted for the record. 1/18-10/12/07	NA

Next likely scheduled inspection: Friday October 19, 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



Naugatuck Ave (Milford): A timber mat crane pad was installed within the wetland at proposed structure #3804.



Pease Rd (Woodbridge): Drilling for the 345kV line has begun in this section.



Litchfield Turnpike (Bethany): Excess sediment has accumulated on the timber mat crossings along the access road in this section. Sediment has seeped through the mats and into the wetlands at several crossings.



Old Lane Rd (Hamden): Storm water has been redirected from the access road to a haybale/silt fence check dam near structure #4013.



Old Lane Rd: Several modified stone check dams have been installed along the access road here.



Old Lane Rd: Additional view of the stone check dams.



Old Lane Rd: View of the access road looking toward the stone sediment trap.



Old Lane Rd: Additional controls have been installed upgradient of wetland #94.