

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: September 21, 2007

Inspector: Matt Kelly

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

Rainfall: 0.01” of precipitation was recorded in the week since the last inspection with 0.01” reported on 9/19 (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. 9/21/07	Continue to monitor active work areas and add controls as necessary. See EC section. 9/21/07	Not Applicable (NA)
	Stone pads remain in place at all entrances to access roads. 9/21/07	Continue to monitor for sediment tracking in active areas. Sweep roadways as necessary. 9/21/07	Active areas need regular attention
	Mats remain at the wetland crossings in these sections. 9/21/07	Continue to monitor. 9/21/07	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. 9/21/07	Continue to monitor and evaluate methods to protect the curb drop inlet and prevent sedimentation as needed. See Erosion Control Section for more detail. 9/21/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Milford, CT	Pad reclamation is complete in most areas at this time. Exposed soils have been graded and mulched. 9/21/07	Continue to monitor. See Stabilization section. 9/21/07	Pad reclamation is complete and exposed soils have been mulched and graded
Orange, CT Hall Drive	Pad reclamation activities have begun in this section. Additional erosion controls are needed along the wetland boundary here. 9/21/07	Continue to monitor. Additional erosion controls are recommended along the wetland boundary here. 9/21/07	Needs attention
Ridge Rd., Lambert Rd., Sunset Dr., Edward Ct., Racebrook Rd., Russell Ave., Overland Dr., Dogwood Rd., Hunting Hill Rd., Hunting Hill Place, and Saddle Ridge Rd.	Pad reclamation is complete in these sections at this time. Exposed soils have been graded and mulched. 9/21/07	Continue to monitor. See Stabilization section. 9/21/07	Pad reclamation is complete and exposed soils have been mulched and graded
Woodbridge, CT Clearview Lane to Rt 15	The spoil pile has been removed from the stone crane pad in the wetland near structure #3899 and silt fence has been repaired at structure, #3899 and #3903. 9/21/07	Continue to monitor and add controls as necessary. 9/21/07	The spoil pile has been removed and silt fence was repaired
Glen Dam Reservoir	Sediment has accumulated in the stone sediment traps here. Silt fence located along the access road has been repaired. 9/21/07	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. 9/21/07	Silt fence located along the access road has been repaired
	Exposed soils remain on the slope adjacent to structure #3950. 9/21/07	Exposed soils should be seeded and mulched when feasible. 9/21/07	Needs attention
JCC	Silt fence is in need of repair near structure #24119. Sediment was noted in the dry stream channel here. 9/21/07	Continue to monitor and repair and maintain as necessary. Evaluate sediment accumulation within the stream channel. Carefully remove sediment during	Needs attention

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Hamden, CT</p> <p>Tom Swamp Rd/Arrow Rd</p> <p>West Todd Street/ Gaylord Mountain</p>	<p>Uncontained spoil piles were noted upgradient from the wetland in this section. 9/21/07</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 piled on top of the stone sediment trap. 9/21/07</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. 9/21/07</p> <p>A gap remains in the haybale line at the culvert outlet off West Todd (east). Sediment within the stone trap has begun to stabilize with vegetation. Some sediment remains in the adjacent wetland from previous rain events. 9/21/07</p>	<p>remove sediment during the dry season if it is greater than 2” in depth. 9/21/07</p> <p>Spoil piles should be contained within silt fence and/or haybales or covered with plastic until removed from the site. 9/21/07</p> <p>Continue to monitor and add/maintain controls as necessary and avoid piling sediment on top of the stone sediment trap. 9/21/07</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. 9/21/07</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. 9/21/07</p>	<p>Needs attention</p> <p>Proper controls are in place but still needs attention</p> <p>Good efforts were made but needs additional evaluation/monitoring</p> <p>Needs attention</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Brooksvale Ave	<p>A length of culvert pipe remains in the wetland here. 9/21/07</p> <p>Access roads have been graded to direct stormwater flow away from the wetland and into a sediment trap with haybale controls. Minor washouts were noted here last week. 9/21/07</p>	<p>The culvert pipe should be removed from the wetland area when feasible. 9/21/07</p> <p>Continue to monitor and add/maintain controls as necessary to control stormwater runoff. 9/21/07</p>	<p>Needs attention</p> <p>Access roads have been graded to direct stormwater flow away from the wetland and into a sediment trap with haybale controls</p>
Willow Street	<p>Silt fence has been repaired at structure #4010. Additional controls are needed along Willow Brook at structure #4009. Spoils from foundation work remain on some of the timber mats here. 9/21/07</p>	<p>Remove excess soil from timber mats at structure #4009. Install additional erosion controls along Willow Brook and stabilize disturbed soils. 9/21/07</p>	<p>Silt fence has been repaired at structure #4010</p> <p>Further attention is needed</p>
Old Lane Road	<p>Access roads have been graded and water bars added to direct stormwater flow to the stone-lined filtration basin. Stone/haybale check dams and additional fiber rolls have been installed. 9/21/07</p> <p>Silt fence has been repaired and sediment has been removed from the stone-lined filtration basin and adjacent wetland. 9/21/07</p> <p>A fiber roll was installed to control sediment migration along Old Lane road this week. 9/21/07</p>	<p>Continue to monitor and add/maintain controls as necessary to control stormwater runoff. 9/21/07</p> <p>Continue to monitor. Add and maintain controls as necessary. See Inland Wetland Section. 9/21/07</p> <p>Continue to monitor and add/maintain controls as necessary. 9/21/07</p>	<p>Access roads have been graded and water bars, stone/haybale check dams, and additional fiber rolls have been installed</p> <p>Silt fence has been repaired and sediment has been removed from the stone-lined filtration basin and adjacent wetland</p> <p>Fiber roll was installed to control sediment</p>
Inland Wetland and Watercourse encroachment and	<p>The ACOE permit is in hand and approved wetland work continues.</p>	<p>Follow general guidelines of the permit whenever work in wetlands occurs.</p>	<p>NA</p>

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mitigation	9/21/07	9/21/07	
Milford, CT			
Rt 121 and Oronoque Rd	Timber mat crane pads remain adjacent to/in wetlands in these sections. 9/21/07	Continue to monitor. Add controls as necessary. 9/21/07	NA at this time
West River Street and Eisenhower Park	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. 9/21/07	Continue to monitor and add controls as necessary. 9/21/07	NA at this time
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. 9/21/07	Continue to monitor. Install controls as necessary. 9/21/07	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. 9/21/07	Continue to monitor. 9/21/07	NA at this time.
Clearview Lane to Rt 15	Stone access roads and timber mat crossings remain in the wetland areas here. 9/21/07	Continue to monitor. 9/21/07	Timber mat crossings are in place within the wetland
Woodbridge, CT			
Pease Road/JCC/B'Nai Jacob	Mats remain in the potential wetland area near Pease Road. 9/21/07	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. 9/21/07	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.	Continue to monitor. Adjust controls as necessary. 9/21/07	NA at this time

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Oak Lane CC, Cow Path Lane, Salem Rd, Rimmon Rd, Brookwood Dr, Center Rd, Ansonia Rd, Manville Rd and Clear Ln to Rte15	<p>Stone access roads remain in portions of the wetlands in these sections. 9/21/07</p> <p>Sediment was noted in the stream channel near structure #24119 at the JCC. Uncontained spoil piles were also noted upgradient from the wetland in this section. 9/21/07</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. 9/21/07</p>	Needs attention
Bethany, CT Morris to Hatfield	<p>Timber mat crane pads remain within the wetlands in these sections. 9/21/07</p>	<p>Continue to monitor. 9/21/07</p>	NA at this time
Hatfield (south)	<p>A stone access road and timber mats have been constructed/installed in the wetland areas in this section. 9/21/07</p>	<p>Continue to monitor. 9/21/07</p>	NA at this time
Hamden, CT West Todd St, Tom Swamp/Arrow Rd, Willow Street, Brooksvale Ave, and Old Lane Rd	<p>Ruts from foundation work and a disassembled H-frame structure were observed in the wetland here. 9/21/07</p>	<p>Repair ruts and restore wetland area. Remove poles from wetland as soon as possible. 9/21/07</p>	Needs attention
Old Lane Road	<p>Temporary stone access roads and timber mats remain in some of the wetland areas in these sections. 9/21/07</p>	<p>Continue to monitor. 9/21/07.</p>	NA at this time
115-kV underground transmission line Old Lane Road	<p>Sediment has been removed from wetland #94. 9/21/07</p>	<p>Continue to monitor. Add controls as necessary to prevent further sedimentation to the wetland here. 9/21/07</p>	Sediment has been removed from wetland #94
	<p>Turbid water was noted in the wetland across from the overhead access</p>	<p>Evaluate sediment accumulation within the adjacent wetland.</p>	Needs evaluation

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	road during previous inspections (during 115-kV underground work). 9/21/07	Carefully remove sediment from the wetland if it is greater than 2' in depth. 9/21/07	
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. No active work is occurring in this area at this time. 9/21/07	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. 4/5-9/21/07	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 , CT</p> <p>Orange, CT</p> <p>Orange Center Rd, Ridge Rd, and Hunting Hill Place</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. 9/21/07</p> <p>Crane pad reclamation and restoration work has begun in some sections. Disturbed soils are being graded and mulched for temporary stabilization. 9/21/07</p> <p>Wood chips within the ROW off Ridge Rd have been spread to a depth less than 3"(9/210. Wood chips remain piled in the ROW off Route 152. 1/11-9/21/07</p> <p>Crane pad reclamation and restoration work has begun in some sections. Disturbed soils are being</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. 9/21/07</p> <p>Continue to monitor for stabilization. 9/21/07</p> <p>Piles need to either be removed from the ROW or spread in appropriate upland areas to a depth of 3" or less. 1/11-9/21/07</p> <p>Continue to monitor for stabilization. 9/21/07</p>	<p>NA</p> <p>Disturbed soils are being graded and mulched for temporary stabilization</p> <p>Wood chips within have been spread to depths less than 3 "</p> <p>Disturbed soils are being graded and mulched for temporary stabilization</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Woodbridge, CT</p> <p>JCC</p> <p>B'Nai Jacob</p> <p>Hamden CT</p>	<p>graded and mulched for temporary stabilization. 9/21/07</p> <p>Crane pad reclamation and restoration work has begun in some sections. Disturbed soils are being graded and mulched for temporary stabilization. 9/21/07</p> <p>Hydro-seed was applied to disturbed areas. Grass growth was noted in previous weeks. 9/21/07</p> <p>Disturbed areas were seeded and mulched for temporary stabilization. Grass growth was noted in previous weeks. 9/21/07</p> <p>Brush from clearing activities was observed in the wetland near structure #3993. 9/21/07</p> <p>Mulch has been spread in washout areas near structure #3989 in an effort to temporarily stabilize disturbed soils. 9/14/07.</p> <p>The overhead access road off Old Lane Road has been stabilized with stone. Hydroseed was applied to exposed soils. 9/21/07</p>	<p>Continue to monitor for stabilization. 9/21/07</p> <p>Continue to monitor for stabilization. Re-seed if necessary. 9/21/07</p> <p>Continue to monitor for stabilization. Re-seed if necessary. 9/21/07</p> <p>Carefully remove brush from the wetland area when feasible. 9/21/07</p> <p>Continue to monitor. Mulched areas should be seeded for further stabilization. Stone fill or similar may be needed to stabilize gullies/ washouts. 9/21/07</p> <p>Continue to monitor for final stabilization. 9/21/07</p>	<p>Disturbed soils are being graded and mulched for temporary stabilization</p> <p>NA</p> <p>NA</p> <p>Needs attention</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>Dewatering basins remain in place at new and propose drilling sites in these sections. Dewatering is complete at this time in all other</p>	<p>Continue to monitor active areas and adjust controls as necessary. 9/21/07</p>	<p>Dewatering containment areas were installed proactively.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Orange, CT	this time in all other sections. 9/21/07 Dewatering basins have been installed proactively for 345kV foundation work. 9/21/07	Continue to monitor. 9/21/07	Dewatering basins have been installed proactively for 345kV foundation work
Woodbridge, Bethany, and Hamden CT	Dewatering activities appear to be complete in these sections at this time 9/21/07	None at this time. 9/21/07	NA
Blasting	No blasting is proposed at this time. 9/21/07	None. 9/21/07	NA
Spills, soils and material storage.	Contractor receiving yard is set up near Shelland St. in Milford. See segment 3 construction. 9/21/07	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. 9/21/07	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. 1/18-9/21/07	Noted for the record. 1/18-9/21/07	NA

Next likely scheduled inspection:

Friday September 28, 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