

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 2a Inspection

Date: August 7, 2007

Inspector: Matthew Kelly

Location: Segment 2a – Beseck Switching Station to Cheshire/Hamden Town Line

Rainfall: 0.04” of precipitation was recorded in the week prior to inspection, with 0.03” reported on 8/6 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	Timber mats are in place at wetland crossings and staging areas. 8/7/07	See Erosion Control Section for more details 8/7/07	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, timber mat & stone staging areas remain within wetlands. The access road is complete here 8/7/07	Add controls as needed along the wetlands. See the erosion control section. 8/7/07	NA
	A culvert is in place at a small access road stream crossing to reach several pad sites between High Hill Rd. and Carpenter Ln 8/7/07	Add controls as needed along the new access road. Monitor stream for sediment. Wetland crossings will need to be restored at the end of the project. 8/7/07	NA
Durham Rd.	Clearing and access road construction continue to the south. Timber mats were installed at wetland crossings. 8/7/07	Monitor access road and add controls as needed. See erosion control section. 8/7/07	NA
Williams Rd. to East Center St.	Stone is now in place for access at a previously mowed area off Williams Rd. 8/7/07	Stone will be removed and lawn area will need to be restored upon completion of the project work. 8/7/07	NA
	Exposed soil at Williams Rd. crossing did not appear to be fully	The old access road area should be stabilized and regraded to original	NA

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<p>S. Turnpike + Merritt Parkway Area; Mansion Rd.; Powers Rd. & Woodhouse Ave.; Durham Rd.; Liney Hall Ln.; Stony Brook; Carpenter Ln.; Pent Rd.; Oliver Creek Rd.</p>	<p>contained adjacent to a wetland area (noted since 4/24). This old access now connects with a new stone access road installed through a wetland. 8/7/07</p> <p>No sediment tracking was noted on any of these roadways and the adjacent areas appear stable. Stone construction entrance pads remain in place at most. 8/7/07</p>	<p>contours as necessary. Promote establishment of vegetative cover. 6/5-8/7/07</p> <p>Continue to monitor entrances and sweep as needed. 8/7/07</p>	<p>NA</p>
<p>Pond Hill Rd.</p>	<p>Access road construction is complete with timber mats in place at the wetland crossings. 8/7/07</p>	<p>Continue to monitor entrances and sweep as needed. Add controls adjacent to the crossings if needed. 8/7/07</p>	<p>Continue to monitor</p>
<p>Docker Dr.</p>	<p>Clearing stopped for now. Access road construction continues. Timber mats are in place at wetland crossing. No active work this week. 8/7/07</p>	<p>Continue to monitor entrances and sweep as needed. Add controls at the crossings if needed. 8/7/07</p>	<p>Continue to monitor.</p>
<p>Mansion Rd. Apple Orchard</p>	<p>Access road and pad construction appear complete within the orchard. Vehicle tracks were noted within some wetlands (since 6/19). 8/7/07</p> <p>A small channel was diverted/dug along the access road. Water was pooling on the access road. 6/19-8/7/07 Culverts are onsite but not installed. 7/10-8/7/07</p>	<p>Prevent equipment access in wetlands whenever possible. 6/19-8/7/07 Repair tracks if feasible without causing more disturbance 8/7/07</p> <p>Monitor and add controls along wetland as needed and install culverts to prevent water from pooling on the access road. 8/7/07</p>	<p>Needs evaluation and attention.</p> <p>Needs evaluation and attention.</p>
<p>Mansion Rd to Tuttle Ave.</p>	<p>Culverts, haybales, fiber rolls, and hay/seed remain in place to stabilize area along the access road. 8/7/07</p>	<p>Retain the no access areas located off Mansion Rd. and Tuttle Ave (moving west). 8/7/07</p>	<p>Continue to monitor</p>
<p>Old Farms Road</p>	<p>Plywood is being used to reduce impact to the driveways crossing the</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to</p>	<p>Plywood is used to protect driveways from equipment damage</p>

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Liney Hall Ln.	8/7/07 A culvert remains at the small stream crossing. No sediment issues noted 8/7/07	Monitor and add controls along the road as needed. Stabilize area impacted by timber mats. 8/7/07	NA.
Williams Rd to East Center St.	Timber mats and silt fence remain in place at the Stony Brook site access. A new stone access road is in place at wetlands in this section but exposed soil remains at the old access where timber mats were removed. Run-off was currently clear. 6/5-8/7/07 Some revegetation continues in this area. 8/7/07	Add appropriate controls between the exposed soil and the undisturbed portion of wetlands. 5/2-7/17/06 Restore the exposed soil to pre-construction conditions if this access is no longer needed. 6/5-8/7/07	Some revegetation was noted but needs evaluation
Tamarack Swamp Rd.	Small pad site installed within wetlands. Controls were in place. 8/7/07	Monitor and adjust controls as needed. 8/7/07	Controls were installed
Powers Rd. & Woodhouse Ave.	A small riprap diversion moves run-off around the timber mats, through a riprap channel flowing off-site and into silt fence barriers. 8/7/07 Stone access remains within the wetlands off Powers Rd. A culvert may be needed. Some haybales are in place at the crossing but more may be needed. 6/12-8/7/07	Monitor controls for effectiveness. Clean sediment from riprap as needed. 8/7/07 Install culverts to reduce turbid run-off as needed. Ensure that controls are adequate to filter run-off at this location. Stabilize area as soon as possible. 6/12-8/7/07	NA A few controls were in place; continue to monitor and evaluate
Woodhouse Ave. Harrison Rd.	Controls remain along the slope. No issues noted. 8/7/07 Hay and seed remain along a steep slope adjacent to wetlands off Harrison Rd. Some grass growth was noted in the recently hydroseeded areas. 8/7/07	Monitor controls and add more as needed. 8/7/07 Monitor controls and add more as needed. 8/7/07	NA at this time. Exposed soils have been hydro-seeded

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<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p>	<p>Timber mats remain in place at the wetland crossing but adjacent controls were not observed. 8/2-8/7/07</p>	<p>Add controls adjacent to the mats if necessary to protect wetlands. Monitor pond and reduce impacts from crossing to the extent feasible. 8/7/07</p>	<p>Timber mats are in place but still needs evaluation.</p>
<p>Pent Rd. & Oliver Creek Rd.</p>	<p>Clearing complete within the Quinnipiac floodplain, including at the streambank. 6/12/07 No controls were added but stumps/ roots were retained. 5/30-8/7/07</p>	<p>Now that clearing is complete, add controls as needed and stabilize sloped areas. Continue to retain vegetation and avoid disturbing soil. Monitor river closely. 6/12-8/7/07</p>	<p>Needs evaluation</p>
<p>S. Turnpike + Merritt Parkway Area</p>	<p>Clearing off Merritt Parkway within wetlands is complete. Mulch remains along the steep slope. 8/7/07</p>	<p>Add controls along the steep slope to the river and monitor the area closely for erosion. Add EC blankets if necessary. 8/7/07</p>	<p>Continue to monitor.</p>
<p>Mansion Rd. Apple Orchard</p>	<p>Small sections of silt fence are in place strategically at run-off points and near wetlands. Run-off was contained by controls. Some sections need minor repair and sediment accumulation was noted. 3/13-8/7/07</p>	<p>Continue to monitor and adjust controls as needed. Repair fallen section of silt fence and remove sediment when feasible. 2/21-8/7/07</p>	<p>NA</p>
	<p>Equipment tracks were noted in an undisturbed section of wetland, leaving ruts and disturbing vegetation. 6/12-8/7/07</p>	<p>Prevent equipment access in wetlands unless work is permitted there. Repair damage as feasible. Ensure that controls are installed prior to disturbance in wetlands. 8/7/07</p>	<p>Continue to monitor.</p>
	<p>A small channel was installed to divert a spring but is causing turbid water to pool at the edge of the access road. 6/19-8/7/07</p>	<p>A culvert appears to be necessary to prevent turbid water from ponding and reaching wetlands. 6/19-8/7/07</p>	<p>Needs evaluation.</p>
<p>Mansion Rd. to Tuttle Ave.</p>	<p>Several wetland crossings are located here. Filter socks and culverts remain</p>	<p>Monitor controls closely and add new controls as needed. Continue to</p>	<p>Continue to monitor.</p>

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	<p>The small, re-established stream channel remains in good shape. 8/2/07. 8/7/07</p>	<p>Continue to maintain hydrology here. 8/7/07</p>	<p>NA</p>
<p>Durham Rd.</p>	<p>Timber mats are in place at the wetland crossing south of Durham Rd. A timber mat bridge crossing is proposed for a stream in this area. 8/7/07</p>	<p>Monitor the installation of the stream crossing carefully. Install controls adjacent to the crossings as needed. 8/7/07</p>	<p>NA at this time</p>
<p>Williams Rd to East Center St.</p>	<p>Exposed soil remains adjacent to wetlands in this section after timber mats were removed. 5/8-8/7/07 Some revegetation was noted. 8/7/07</p>	<p>See erosion control section. Controls/stabilization are needed here. 5/8-8/7/07</p>	<p>Some revegetation was noted but still needs evaluation</p>
<p>Tamarac Swamp Road</p>	<p>Pad and adjacent controls remain within wetlands. 8/7/07</p>	<p>Monitor and adjust controls as needed. 8/7/07</p>	<p>NA</p>
<p>Powers Rd. & Woodhouse Ave.</p>	<p>The stone access road remains in place in wetlands off Powers Rd. A culvert may be needed. Controls were in place. 6/12-8/7/07</p>	<p>Monitor area closely and determine if conditions require a culvert. See erosion control section. 6/12-8/7/07</p>	<p>Needs evaluation</p>
<p>Woodhouse Ave. Harrison Rd.</p>	<p>Timber mats remain along the roadway and at the edge of wetlands. Minimal impacts noted. 8/7/07</p>	<p>See erosion control section. Add controls as needed. 8/7/07</p>	<p>NA</p>
<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p>	<p>Timber mats remain at the wetland crossings in this area. Previous clearing and access had occurred through two wetlands and a small pond. Stream near Rte 5 was clear 8/7/07</p>	<p>See erosion control section. Add controls as needed. 8/7/07</p>	<p>Needs to be monitored</p>
<p>Pent Rd. & Oliver Creek Rd., S. Turnpike + Merritt Parkway Area</p>	<p>Clearing complete in the Quinnipiac River floodplain and along the bank off Merritt Parkway. Mulch was applied but more controls may be necessary. 8/7/07</p>	<p>See erosion controls section. Retain as much vegetation as feasible and reduce soil disturbance. Additional controls should be added due to the steep slope. Install EC</p>	<p>Needs to be monitored</p>

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<p>Mansion Rd. Apple Orchard</p> <p>Mansion Rd to Tuttle Ave.</p> <p>Old Farms Rd.</p>	<p>Pad site installed within the edge of a wetland as permitted. However tracks from equipment were noted within an undisturbed portion of wetland. 6/12-8/7/07 Culverts may also be needed at two small saturated crossings. 8/7/07</p> <p>Clearing within wetlands complete. Area appears stable but no controls were added. 7/3- 8/7/07</p>	<p>blankets if needed. 7/10-8/7/07</p> <p>See erosion controls section. Add culvert as needed. 8/7/07</p> <p>Monitor newly cleared areas and add controls as needed. 8/7/07</p>	<p>Needs additional evaluation</p> <p>NA at this time</p>
<p>State species of concern, threatened and endangered species.</p> <p>Liney Hall Rd;</p> <p>Woodhouse Ave; Harrison Rd.</p> <p>Mansion Rd. to Tuttle Ave</p>	<p>A no entry sign remains near the potential vernal pool off Stony Brook Rd. as an appropriate alternative to construction fencing. 8/7/07</p> <p>Several frog and salamander egg masses were previously noted within a pool located off Liney Hall Ln. but the pool is now dry. This is not a state listed species issue but indicates good amphibian breeding habitat. 8/7/07</p> <p>An Eastern box turtle was accidentally crushed by equipment in the new ROW clearing off Woodhouse Ave. (5/8/07) This area was not marked as a potential area for Eastern box turtles according to the D&M plan, DEP response letter and NDDDB website. 8/7/07</p> <p>Another Eastern box turtle was noted walking</p>	<p>Continue to monitor area and retain distance from active work. 8/7/07</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. 8/7/07</p> <p>The area should receive the same attention as known protected habitat area along the ROW. Sweeps for turtles should be performed regularly in this area before equipment progresses. 8/7/07</p> <p>The area should now receive the same attention</p>	<p>NA</p> <p>NA</p> <p>The turtle observation was reported appropriately and sweeps should continue to be performed.</p> <p>Area needs to be monitored/swept</p>

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	<p>across the ROW access road in the section between Mansion Rd. and Tuttle Ave on 7/17/07. This area was not marked as potential habitat for Eastern box turtles according to the D&M plan, DEP response letter and NDDB website. 8/7/07</p>	<p>as known protected habitat area along the ROW. Sweeps for turtles should be performed regularly in this area before equipment progresses. 8/7/07</p>	<p>regularly.</p>
<p>Vegetative clearing or stabilization Most work areas</p> <p>Durham Rd.</p> <p>Williams Rd to East Center St.</p> <p>Powers Rd. Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5) Pent Rd. & Oliver Creek Rd.</p> <p>Woodhouse Ave.; Harrison Rd.</p> <p>S. Turnpike + Merritt Parkway Area</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. 8/7/07</p> <p>Clearing work continues south of Durham Rd., no active work was noted this week. 8/7/07</p> <p>Some areas of exposed soil need controls, but some areas that were disturbed by clearing have started to revegetate. 8/7/07</p> <p>Clearing is largely complete within and adjacent to wetlands. Vegetation was retained where possible. 8/7/07</p> <p>The recently hydroseeded soil areas off Harrison Rd. have some minor grass growth. 8/7/07</p> <p>No new clearing noted in this section. Mulch remains on the slopes to prevent erosion. More controls may be needed on the riverbank. 8/7/07</p>	<p>Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&M plan. Be extremely mindful of the extent of clearing flags 8/7/07</p> <p>Continue to retain appropriate vegetation. 8/7/07</p> <p>Stabilize exposed soil within/adjacent to wetlands. Add controls as needed within wetlands. See erosion control section. 8/7/07</p> <p>See erosion control section. Continue to use low impact techniques in these areas and retain vegetation and appropriate species. 8/7/07</p> <p>Monitor area until stable. Add controls as needed. 8/7/07</p> <p>Monitor area and add controls as needed. 8/7/07</p>	<p>NA</p> <p>NA</p> <p>Needs evaluation and attention</p> <p>NA at this time</p> <p>NA at this time</p> <p>NA</p>
<p>Dewatering</p>	<p>Dewatering had previously been required at the foundations</p>	<p>Monitor any dewatering closely and remove slurry accumulation from</p>	<p>Needs evaluation and attention.</p>

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	installed south of Carpenter Ln. Some slurry did migrate to the line of controls at the wetland. 5/8-8/7/07	wetlands. Maintain adequate controls when dewatering. See erosion control section. 5/8-8/7/07	
Blasting	No blasting is proposed. 8/7/07	None	NA
Spills, soils and material storage	Spill control materials are being brought to sites when work is performed. Small drip stains have been noted in several work areas along the ROW. 8/2/07	Always use spill control materials when working on equipment and during refueling. Replace as needed. Check equipment daily for leaks and repair as soon as possible. 8/2/07	Needs regular attention.
Old Farms Rd. (Equipment Storage Area)	A small soil/pavement stockpile remains in the active underground work storage yard off Old Farms Rd 7/19-8/7/07	If storage yard will no longer be used, remove the small stockpile if it is associated with the project. 8/7/07	Silt fence was removed but needs some additional attention.
Additional Observations	Property owner in the vicinity of Williams Rd. appears to have used personal equipment to alter wetland areas. 8/7/07	Noted for the record. The work is not project related. 8/7/07	Non-jurisdictional to this D&M plan.
	An area identified with potential historical/cultural significance is located off Durham Rd. Soils cannot be disturbed here. Noted 5/15/07	Access road construction here included careful stone installation, and avoided grading. Noted 5/15/07	Continue to monitor

Next likely scheduled inspection:

Tuesday August 14, 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: Diana Walden, BSC Group



Harrison Rd./ Tradition Golf Course: Hydroseed had been applied to the exposed soils last week. Some grass growth was noted.



Harrison Rd./ Tradition Golf Course: The final foundation was poured in this area.



Durham Rd (south): Access road construction continues in this area. Timber mats have been installed at wetland crossings. Add adjacent controls as necessary.



Durham Rd (south): This stream, a tributary of the Muddy River, will be crossed with a timber mat bridge.