

**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:** October 10, 2007

**Inspector:** Matthew Creighton

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

**Rainfall:** 0.36” of precipitation was recorded in the week prior to inspection with 0.22” of the total reported on 10/9 (NOAA data at Meriden, CT).

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Access roads and adjacent roadways</b>	<b>Timber mats are in place at wetland crossings and staging areas. 10/10/07</b>	<b>See Erosion Control Section for more details 10/10/07</b>	<b>Not applicable (NA)</b>
<b>Carpenter Ln. to Rte 68</b>	<b>South of Carpenter Ln, timber mat &amp; stone staging areas remain within wetlands. The access road is complete here. Sediment is accumulating along controls at drainage ditch. 8/28-10/10/07</b>	<b>Add controls as needed along the wetlands. See the erosion control section. 10/10/07</b>	<b>Needs regular attention</b>
	<b>A culvert remains in place at a small access road stream crossing to reach several pad sites between High Hill Rd. and Carpenter Ln. 10/10/07</b>	<b>Add controls as needed along the access road. Monitor stream for sediment. Wetland crossings will need to be restored at the end of the project. 10/10/07</b>	<b>NA</b>
	<b>Sediment tracking was noted along High Hill Rd. 10/10/07</b>	<b>Sweep roadway and add CB controls as needed. 10/10/07</b>	<b>Needs attention.</b>
<b>Durham Rd. Liney Hall Ln.</b>	<b>Access road construction is complete south off Durham Rd. An equipment bridge crossing is in place over the Muddy River tributary and a second bridge is in place off</b>	<b>Continue to monitor and add controls as needed. 10/10/07</b>	<b>NA</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Williams Rd. to East Center St.	<p>Liney Hall Rd. to access structure #24272. 10/10/07</p> <p>Stone is in place for access at a previously mowed area off Williams Rd. 10/10/07</p>	<p>Stone should be removed and lawn area should be restored upon completion of the project work. 10/10/07</p>	NA
S. Turnpike + Merritt Parkway Area; Mansion Rd.; Durham Rd.; Stony Brook; Carpenter Ln.; Pent Rd.; Oliver Creek Rd.	<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 entrances. 10/10/07</p>	<p>Continue to monitor entrances and sweep as needed. 10/10/07</p>	NA
Powers Rd.	<p>Most of the timber mats have been removed from the staging area within the wetland area. Crews reclaimed portions of the access road by removing stone and narrowing the roadway. Efforts appear complete however, some sediment/stone and mats remain in wetlands 10/10/07</p>	<p>Add controls for stabilization. See erosion control section. 8/28-10/10/07 Carefully remove the remaining stone. 10/10/07</p>	Restoration efforts were noted but more attention is needed.
Pond Hill Rd. Docker Dr.	<p>Timber mats remain in place at the wetland crossings off Pond Hill. Restoration efforts were noted off Docker Dr. 10/10/07</p>	<p>Continue to monitor entrances and sweep as needed. Add controls adjacent to the crossings if necessary. 10/10/07</p>	NA at this time
Mansion Rd. Apple Orchard	<p>A small channel was diverted/dug along the access road. Water has been pooling on the access road during storms. 6/19-10/10/07 Culverts are onsite but not installed. 7/10-10/10/07</p>	<p>Monitor and add controls along wetland as needed and install culverts to prevent water from pooling on the access road. 10/10/07</p>	Needs evaluation and attention.
Mansion Rd to Tuttle Ave.	<p>Culverts, haybales, fiber rolls, and hay/seed remain in place to stabilize area along the access road but controls</p>	<p>Retain the no access areas located off Mansion Rd. and Tuttle Ave (moving west). See erosion control section for more details.</p>	NA



Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Pond Hill Rd. &amp; Docker Dr. (I 91 – Rte. 5)</p> <p>Pent Rd. &amp; Oliver Creek Rd.</p> <p>S. Turnpike + Merritt Parkway Area</p> <p>Mansion Rd. Apple Orchard</p> <p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Controls were installed. Spoil/sediment is being removed as drilling occurs. 10/10/07</p> <p>Line installation was underway as lines were being pulled over I-91 to Docker Dr. 10/10/07</p> <p>Foundation/structure installation resumed, moving into the landfill. 10/10/07</p> <p>The foundation installation was complete directly off South Turnpike, adjacent to the Merritt Parkway (#24224). Installation is scheduled to continue in this section between #24216-226 10/10/07</p> <p>Foundation drilling/ installation underway within the Orchard. 10/10/07</p> <p>Line pulling equipment is onsite and structures are in place. 10/10/07</p>	<p>more as needed. See erosion control section for more details. 10/10/07</p> <p>See EC section for more detail. 10/10/07</p> <p>Add/adjust controls as necessary. 10/10/07</p> <p>See erosion control section. Add controls as needed especially with the steep slope. 10/10/07</p> <p>Add controls as needed near wetlands. 10/10/07</p> <p>See access road and erosion control sections for more details. 10/10/07</p>	<p>Monitor closely.</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p>
<p>Erosion and sediment controls</p> <p>Carpenter Ln. to Rt. 68</p> <p>Durham Rd.</p> <p>Liney Hall Ln.</p>	<p>Turbid run-off is filtering through haybale check dams before leaving the site. Sediment accumulation was noted here. 6/19-10/10/07</p> <p>The new access road and bridge installed south of Durham Rd. look good. Controls remain intact. 10/10/07</p> <p>Timber mats and fiber rolls remain in place and a bridge is in place across Muddy Brook. 10/10/07</p> <p>A stockpile and small concrete washout area is</p>	<p>Remove any accumulated sediment at the controls and stabilize area as soon as work is complete. 6/19-10/10/07</p> <p>Monitor and add controls as needed adjacent to wetlands. 10/10/07</p> <p>Monitor and add controls along the road as needed. Stabilize area impacted by timber mats. 10/10/07</p> <p>Add controls or remove stockpile as soon as</p>	<p>Check dams are functioning well but needs regular attention</p> <p>NA</p> <p>Monitor closely and increase controls as needed.</p> <p>Needs attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>concrete washout area is located upgradient. The area does not have adequate capacity and concrete was not contained. Controls were not in place. 10/10/07</p>	<p>stockpile as soon as possible. Provide adequate containment for concrete washout. 10/10/07</p>	
<p>Williams Rd to East Center St.</p>	<p>Timber mats and silt fence remain in place at the Stony Brook site access. The continued disturbance/fill of the exposed soil adjacent to wetlands off Williams Rd. was determined to be related to the landowner activities. Drilling continues off Williams Rd. 10/10/07</p>	<p>Attempt to add appropriate controls between the exposed soil and the undisturbed portion of wetlands even though landowner activities continue here 10/10/07</p>	<p>Most issues are related to the landowner but attempt to improve if feasible</p>
<p>Tamarack Swamp Rd.</p>	<p>Small pad remains within wetlands. Controls are in place. Sediment/spoils were being removed during active drilling. 10/10/07</p>	<p>Monitor and adjust controls as needed. Continue addressing spoils from drilling as they are generated. 10/10/07</p>	<p>Spoils were being addressed proactively.</p>
<p>Powers Rd. &amp; Woodhouse Ave.</p>	<p>In the process of removing timber mats, sediment was pushed over some controls (8/28). Soils exposed by timber mat removal were seeded, but not all stone was removed prior to seeding. 9/25-10/10/07</p>	<p>Remove the stone from the wetlands to the extent feasible and stabilize the exposed soil with a wetland seed mix. Continue to monitor for stabilization. 9/25-10/10/07</p>	<p>Soils were seeded but further attention is needed here</p>
	<p>A large stockpile/exposed soil area remains off Woodhouse Ave. Large fiber rolls remain down-gradient to contain it. 10/10/07</p>	<p>Remove/stabilize stockpile when feasible and monitor controls. 10/10/07</p>	<p>NA at this time</p>
<p>Woodhouse Ave. Harrison Rd.</p>	<p>Controls, including several large fiber rolls remain along the slope and at the sediment trap. The large gully on the slope should be addressed. 9/25-10/10/07</p>	<p>Continue to monitor and adjust controls as needed. Attempt to repair/stabilize the gully. 9/25-10/10/07</p>	<p>Gully needs evaluation/attention.</p>
	<p>The soil stockpile and controls remain off</p>	<p>Monitor controls around the stockpile and remove</p>	<p>NA at this time</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Pond Hill Rd. &amp; Docker Dr. (I 91 – Rte. 5)</p>	<p>controls remain off Harrison Rd. The planted shrubs along the stream channel are in good shape. 10/10/07</p> <p>Reinforced controls remain at the foundation adjacent to a resource area. Exposed soils remain seeded and mulched. An eroded gully was noted. 10/10/07</p>	<p>the stockpile and remove the soil when feasible. Monitor new plantings and replace if needed. See Vegetative Clearing and Stabilization Section. 10/10/07</p> <p>Maintain controls and monitor exposed soils. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2-10/10/07</p>	<p>Area is contained but the washout could use proactive attention.</p>
<p>Pent Rd. &amp; Oliver Creek Rd.</p>	<p>Clearing is complete within the Quinnipiac flood-plain, including at the streambank. 6/12/07 No controls were added but stumps/ roots were retained. 5/30-10/10/07</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. 6/12-10/10/07</p>	<p>Needs evaluation</p>
<p>S. Turnpike + Merritt Parkway Area</p>	<p>A foundation was installed leaving a disturbed area at the top of slope off S. Turnpike. Additional controls may be needed especially due to the steep slope. 10/10/07</p>	<p>Add controls as a precaution and monitor the area closely for erosion. 10/10/07</p>	<p>Continue to monitor</p>
<p>Mansion Rd. Apple Orchard</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 at two locations. 6/19-10/10/07</p>	<p>A culvert appears to be necessary to prevent turbid water from ponding and reaching wetlands. 6/19-10/10/07</p>	<p>Needs evaluation</p>
<p>Mansion Rd. to Tuttle Ave.</p>	<p>Ensure the exposed area upgradient from wetlands is contained with controls. 10/10/07</p> <p>Significant erosion/ sedimentation was observed during a heavy rainstorm (9/11). Turbid water was flowing into wetlands from the culvert and off site. Washouts along the access road and</p>	<p>Add controls as necessary. 10/10/07</p> <p>Add controls as soon as possible to prevent erosion along the slopes and access road. Controls need to be reinforced at the culvert and exposed areas contributing to the run-</p>	<p>Needs confirmation that the area is contained.</p> <p>Needs attention</p>



Areas of Inspection	Observation	Recommended Action	Corrected Action
Powers Rd. & Woodhouse Ave.	<p>Drilling was underway within wetlands and spoils were removed as they were generated. 10/10/07</p> <p>Some sedimentation was noted in the wetlands, pushed over the degraded controls where timber mats were removed. Exposed soils were seeded but stone was not removed from the wetland prior to seeding. 10/10/07</p>	<p>10/10/07</p> <p>Remove the remaining sediment/stone from the wetlands to the extent feasible. 10/10/07</p>	<p>proactively.</p> <p>Exposed soils were seeded but additional attention is needed</p>
Woodhouse Ave. Harrison Rd.	<p>Run-off from an existing catch basin has formed a gully in the slope that ends at the wetland/stream. Filter socks remain to slow water flowing down the slope. 9/25-10/10/07</p>	<p>Monitor controls and continue stabilization efforts along the gully/washout. 10/10/07</p>	<p>Needs evaluation</p>
Pent Rd. & Oliver Creek Rd., S. Turnpike + Merritt Parkway Area	<p>Clearing is complete in the Quinnipiac River floodplain and along the bank off Merritt Parkway. More controls may be necessary. 8/7-10/2/07 Work had occurred upgradient on a steep slope. 10/10/07</p>	<p>See erosion control section. Continue to monitor. Retain as much vegetation as feasible and reduce soil disturbance. Additional controls should be considered as needed. 7/10-10/10/07.</p>	<p>Needs evaluation/attention</p>
Mansion Rd. Apple Orchard	<p>Pad site remains within the edge of a wetland as permitted. Culverts are also recommended at two small-saturated crossings. 10/10/07</p>	<p>See erosion controls section. Add culvert as needed. 10/10/07</p>	<p>Needs additional evaluation</p>
Mansion Rd to Tuttle Ave.	<p>Several wetland crossings are in place. Turbid water was overwhelming controls and entering wetlands during a heavy rain (9/11). 10/10/07</p>	<p>See erosion controls section. Reinforce controls as needed. 10/10/07</p>	<p>Needs evaluation/attention.</p>
State species of concern, threatened and endangered species.	<p>A no entry sign remains near the potential vernal pool off Stony Brook Rd. as an appropriate</p>	<p>Continue to monitor area and retain distance from active work. 10/10/07</p>	<p>NA</p>



Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Liney Hall Rd</b></p> <p><b>Woodhouse Ave; Harrison Rd. Mansion Rd. to Tuttle Ave</b></p>	<p><b>alternative to construction fencing 10/10/07</b></p> <p><b>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. Area around the VP was recently mowed. 10/10/07</b></p> <p><b>Evidence of Eastern box turtles has been confirmed off Woodhouse Ave on 5/8/07 and in the section between Mansion Rd. and Tuttle Ave on 7/17/07. These areas were not marked as potential habitat for Eastern box turtles according to the D&amp;M plan, DEP response letter and NDDB website. 10/10/07</b></p>	<p><b>Prevent turbidity and direct impacts to these areas to the extent feasible. The property owner may have mowed the area. 10/10/07</b></p> <p><b>Both areas 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. 10/10/07</b></p>	<p><b>NA</b></p> <p><b>Areas need to be monitored/swept regularly.</b></p>
<p><b>Vegetative clearing or stabilization</b></p> <p><b>Most work areas Have been cleared</b></p> <p><b>Williams Rd to East Center St.</b></p> <p><b>Woodhouse Ave and Harrison Rd.</b></p> <p><b>Powers Rd. Pond Hill Rd. &amp;</b></p>	<p><b>Vegetation was preserved in areas where invasive species were not dominant. 10/10/07</b></p> <p><b>Most areas of exposed soil have started to revegetate. 10/10/07</b></p> <p><b>As requested by state representatives and Siting Council staff, native shrubs were planted (9/18) in clusters to provide shading for Allen Brook 10/10/07</b></p> <p><b>Vegetation was retained where possible. Exposed</b></p>	<p><b>Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&amp;M plan. Be extremely mindful of the extent of clearing flags. 10/10/07</b></p> <p><b>Add controls as needed within wetlands. See erosion control section 10/10/07</b></p> <p><b>Continue to monitor and replace shrubs if needed. 10/10/07</b></p> <p><b>See erosion control section. Continue to use</b></p>	<p><b>NA</b></p> <p><b>NA at this time</b></p> <p><b>NA at this time</b></p> <p><b>NA at this time</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Docker Dr. (I 91 – Rte. 5) Pent Rd. &amp; Oliver Creek Rd.</b></p> <p><b>S. Turnpike + Merritt Parkway Area</b></p> <p><b>Mansion Rd. to Tuttle Ave</b></p> <p><b>Old Farms Rd. (115kV Underground trench-work)</b></p>	<p><b>where possible. Exposed soil areas off Docker Dr. remain mulched and seeded 10/10/07</b></p> <p><b>Mulch remains on the slopes to prevent erosion. More controls may be needed on the riverbank. 10/10/07</b></p> <p><b>Clearing along slopes and wetlands had occurred. The steep slope was eroding and needs stabilization. 9/25-10/10/07</b></p> <p><b>Hydroseed remains on the exposed soils along the edge of the roadway here. Ruts were repaired. 10/10/07</b></p>	<p><b>section. Continue to use low impact techniques and retain vegetation and appropriate species. 10/10/07</b></p> <p><b>Monitor area and add controls as needed. 10/10/07</b></p> <p><b>Add controls and seed slopes as needed. Add an erosion control blanket if necessary. Monitor area closely. See erosion controls section. 9/25-10/10/07</b></p> <p><b>Continue to monitor for stabilization. See EC Section. 10/10/07</b></p>	<p><b>Needs evaluation/attention</b></p> <p><b>Needs attention.</b></p> <p><b>Hydroseed has been applied to disturbed areas.</b></p>
<p><b>Dewatering</b></p>	<p><b>Dewatering had previously been required at the foundations installed south of Carpenter Ln. Some slurry did migrate to the line of controls at the wetland. 5/8-10/10/07</b></p> <p><b>Spoils and sediment were being removed as it was generated during drilling within wetlands off Tamarack Swamp Rd. 10/10/07</b></p> <p><b>Spoils and sediment were being removed as it was generated during drilling off High Hill Rd. 10/10/07</b></p> <p><b>Controls were reinforced, upgradient from wetlands off Docker Dr. 10/10/07</b></p>	<p><b>Monitor any dewatering closely and remove slurry accumulation from wetlands. Maintain adequate controls when dewatering. See erosion control section. 5/8-10/10/07</b></p> <p><b>Add controls as needed. Sediment was being removed during drilling. 10/10/07</b></p> <p><b>Add controls as needed. Sediment was being removed during drilling. 10/10/07</b></p> <p><b>Monitor this area until stable. 10/10/07</b></p>	<p><b>Needs evaluation and attention.</b></p> <p><b>Spoils were being addressed proactively</b></p> <p><b>Spoils were being addressed proactively</b></p> <p><b>NA at this time.</b></p>
<p><b>Blasting</b></p>	<p><b>No blasting is proposed. 10/10/07</b></p>	<p><b>None</b></p>	<p><b>NA</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
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. 10/10/07	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. 10/10/07	Needs regular attention.
	Many active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. 10/10/07	Monitor equipment closely for leaks as they move from site to site to prevent repeated problems. Always contain and control stockpiles as soon as possible. 10/10/07	Continue to monitor throughout construction.
	Durham Rd. Leaking equipment was parked with appropriate spill containment controls in place. 9/25-10/10/07	Spill controls should be maintained and refreshed as needed until equipment is repaired. Avoid using equipment in wetlands/sensitive areas and remove any affected soils as soon as possible. 9/25-10/10/07	Leaking equipment needs maintenance. Controls are in place.
	Liney Hall Ln. A soil stockpile and partially concrete washout were located upgradient from a small wetland with no controls in place. 10/10/07	Add controls and remove the material as soon as possible. Provide adequate capacity and designated areas for concrete washouts. 10/10/07	Needs attention.
Additional Observations	None 10/10/07	None	

Next likely scheduled inspection:

Monday October 15, 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 Creighton, BSC Group

Reviewer: Diana Walden, BSC Group



**High Hill Rd: Foundation drilling and removal of resulting spoils is underway.**



**High Hill Rd: Some sediment tracking was noted on the roadway.**



**Liney Hall Ln: Soil stockpile and an uncontained concrete washout were noted upgradient from wetlands. It appears that there was an attempt to designate a washout area but it did not have adequate capacity.**



**Tamarack Swamp Rd.: Foundation drilling and removal of the resulting spoil/sediment was underway.**





**Powers Rd: Timber mats and stone/sediment were present within the wetland. Carefully remove sediment and add controls.**



**I- 91: Crews were pulling lines across Route 91 to Docker Dr.**



**Docker Dr: Exposed soils remain graded, mulched, and seeded. Crews were performing line work.**



**Pent Rd: Foundation installation was underway.**