

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 1b (Royal Oaks Bypass) Inspection

Date: April 14, 2008

Inspector: Matthew Creighton

Location: Segment 1b (Royal Oaks Bypass)

Rainfall: 0.43” of precipitation was recorded in the week prior to inspection with 0.40” of the total reported on 4/12 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
	Access roads are in place from the existing ROW entrance off Black Walnut Drive; east and west off Rte 17, including within the contractor yard and north of the Little Lane crossing. Stone pads remain in place at all entrances to access roads. 4/14/08	Continue to monitor for sediment tracking in active areas. Sweep roadways as necessary. 4/14/08	Active areas need regular attention
	The old wooden pole remains across the slope off Black Walnut Dr. to prevent vehicles from driving over and damaging the water bar here. 4/14/08	None. 4/14/08	Not Applicable (NA) at this time
Route 17 west (through contractor yard), Rte 17 east.	Several areas of timber mats have been removed from wetlands in these sections. Some culverts and fill remain. 4/14/08	Continue to remove and stabilize wetland crossings now that work is complete. See erosion control section. 4/14/08	NA at this time.
	Slightly turbid water has been noted at the receiving yard during times of heavy traffic and precipitation. Controls remain in place around the pond adjacent to the receiving yard. 4/14/08	See erosion control section for details. Continue to evaluate the source of turbidity noted regularly in the access road crossing. 4/14/08	Controls are in good shape but continue to evaluate.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>New stone access road was installed west of Rte 17 and south of the receiving yard (north of Little Ln. to structure #24580). The permanent access road was installed where timber mats had been removed. The access road bisects a small channel and a culvert was not installed. Turbid water was also noted as a result of the installation. 4/14/08</p>	<p>Controls may be needed along this access road until the area is stable due to turbid water noted in the adjacent wetlands. A culvert or similar is needed at the channel crossing to prevent flooding and erosion of the access road and to maintain the hydrology in the currently bisected channel. 4/14/08</p>	<p>Channel hydrology needs attention/evaluation. Turbid water needs attention.</p>
<p>Foundation and site construction</p>	<p>No new work has taken place this week with the exception of the permanent access road construction. 4/14/08</p>	<p>NA</p>	<p>NA</p>
<p>Erosion and sediment controls</p>	<p>Timber mats have been removed west of Rte. 17 within the wetlands to structure #24580. Turbid water noted at the small channel crossing and a culvert was not installed. 4/14/08</p> <p>Haybales, stone sediment traps, and/or fiber rolls were used to filter water flowing from the timber mats east/west of Rte 17. A channel with check dams remains along the access road east of Rte 17. 4/14/08</p> <p>Sediment was noted at the edge of the no access area near the receiving yard. Stone was compressing into the soil here. 9/24-4/14/08</p> <p>Areas west of the Black Walnut Drive entrance</p>	<p>Ensure sufficient stabilization or controls following the access road construction. The channel will require a culvert to maintain hydrology. See access roads section. 4/14/08</p> <p>Continue to monitor and stabilize disturbed areas when work is complete and activity will not return within 21 days. Add/maintain controls as necessary. Ensure areas are sufficiently stabilized until final restoration. 4/14/08</p> <p>Add controls as necessary and begin restoration on any stone pads that will no longer require access. 10/9-4/14/08</p> <p>Continue to monitor for final stabilization in the</p>	<p>Area needs attention. Stabilize exposed soils. Add controls around newly installed access road.</p> <p>NA at this time</p> <p>Area needs monitoring and evaluation.</p> <p>Monitor stabilization measures for</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>remains reclaimed and temporarily stabilized. 4/14/08</p> <p>Controls remain in place at the CSC approved line-pulling area located adjacent to wetlands. The topography here appears to prevent potential run-off to wetlands from stockpiles here. 4/14/08 Some exposed areas remain seeded and mulched and silt fence remains adjacent to the wetlands. 4/14/08</p>	<p>growing season. 4/14/08</p> <p>Upon completion of work provide full restoration of the area. Attempt to keep stockpiles greater than 100 feet of wetlands but topography appears unlikely to result in run-off. Good controls are in place. 4/14/08</p>	<p>effectiveness.</p> <p>NA at this time. The area will still require restoration.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Access road is in place west of Rte 17 in the receiving yard wetlands. Three streams were crossed with culverts. Controls and mulch are in place adjacent to the roads. 4/14/08</p> <p>One of the streams has a considerable amount of sediment accumulation in the wetlands at the culvert, likely from turbidity from the pond. 3/24-4/14/08</p> <p>In accordance with the D&M Plan, all work occurring in and around wetlands should be expedited to minimize potential adverse impacts to wetlands and reduce disturbances to wetland soils. This includes attending to restoration in adjacent upland areas when work is complete. Reclamation has occurred several areas. Wetland areas within the watershed are waiting for</p>	<p>Monitor area closely for erosion and run-off. Add controls as needed to prevent road run-off. Wetland crossings are temporary and material will have to be removed when work is complete. 4/14/08</p> <p>Although turbidity in the pond appears to be landowner related, consider carefully removing the sediment accumulation in the wetlands to improve conditions. 3/24-4/14/08</p> <p>Final stabilization and reclamation efforts should occur in completed areas in and around wetlands. Any additional work needed in and around wetlands should be expedited to allow for final stabilization procedures to commence. 4/7-4/14/08</p>	<p>NA at this time.</p> <p>Needs evaluation and consideration.</p> <p><i>Contractors stated they will make improvements upon restoration.</i></p> <p>Reclamation has occurred in several areas. Continue to evaluate.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>reclamation. 4/7-4/14/08</p> <p>New (permitted) permanent access road was installed through wetlands to reach #24580. However, hydrology in a small channel was bisected. 4/14/08</p>	<p>See Access road and Erosion control sections for more information. But a solution should be evaluated. Either take the grade of the road down here or install a culvert. 4/14/08</p>	<p>Needs evaluation and attention.</p>
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&M plan, state-listed species are not located in this work area.</p> <p>Frogs, tadpoles, turtles and <i>Ambystoma</i> (salamander) egg masses were noted in the small pond within the ROW last spring. These are not state-listed species but do indicate good amphibian breeding habitat. 4/14/08</p>	<p>None</p> <p>Continue using separate access points to reduce impacts to the pond. 4/14/08</p>	<p>NA</p> <p>NA</p>
<p>Vegetative clearing or stabilization</p>	<p>Restoration efforts were noted over Jan. & Feb. removing stone from the edges of access roads and removing pads and timber mats. 12/31-4/14/08</p> <p>Weather had limited progress to this point. But reclamation should continue as weather improves. 3/24-4/14/08</p>	<p>Continue to restore and stabilize any work areas that will no longer be active, or temporarily stabilize areas where work will not return within 21 days. 11/5-4/14/08</p>	<p>Temporary/ Permanent stabilization needs to continue.</p>
<p>Dewatering</p>	<p>Active work associated with dewatering was no longer observed. 4/14/08</p>	<p>NA 4/14/08</p>	<p>NA</p>
<p>Blasting</p>	<p>No blasting is proposed at this time. 4/14/08</p>	<p>None</p>	<p>NA</p>
<p>Spills, soils and material storage</p>	<p>Contractor receiving yard is set up near Rte. 17 in Middletown for 1A work. Spill kits move from site to site with equipment. 4/14/08</p>	<p>Continue to use and restock materials as needed. 4/14/08</p>	<p>NA</p>

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	<p>Monitor equipment closely when working within the Laurel Brook watershed protection area. Any refueling and equipment maintenance should be done outside of the protected area. 4/14/08</p> <p>Most of the soil stockpiles noted along this segment have been removed. Small stockpiles were noted at the edge of the wetlands near the receiving yard (since 1/7) However, the topography here will likely prevent issues with run-off 4/14/08</p>	<p>In general, if a leak is observed, contain it and remove equipment from water department property. Proactively check equipment for leaks when working in the protected area. 4/14/08</p> <p>Monitor and add controls as needed. Attempt to keep stockpiled soil greater than 100 feet of wetlands proactively. See erosion control section. 1/7-4/14/08</p>	<p>NA at this time.</p> <p>Continue to monitor</p>
Additional Observations	None. 4/14/08	None. 4/14/08	NA

Next likely scheduled inspection: Monday April 21, 2008

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



Site entrance off Black Walnut Drive, still closed to vehicles.



New stone access road installed west off Rte 17 between the receiving yard and north of Little Lane, in order to maintain access to structure #24580.



Small flooded channel bisected by the new access road. Some turbid water and sediment were noted from the access road installation. Flow and hydrology will need to be maintained in this area with use of a culvert.



End of the new access road at structure #24580. Exposed area of soils noted from timber mat removal. Amphibians were noted within a small pool at the end of the access road near the new structure. Final stabilization/restoration still needed here.