

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 4b Underground Line

Date: August 14, 2008

Inspector: Lennox Keen

Location: Fairfield/Westport Town Line to Westport Avenue in Norwalk

Rain Event: 1.76" of precipitation was reported since the previous inspection, with the largest event of 1.43" recorded on 8/7 (Bridgeport, CT NOAA data).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	<p>All work is within existing paved roadways at this time. 8/14/08</p> <p>Crushed stone remains along the shoulder of the access road to the Sherwood Island yard. Sediment tracking was not an issue this week. 8/14/08</p>	<p>None. See erosion control section for details on sediment tracking 8/14/08</p> <p>Continue to sweep the roadway and monitor and maintain controls as necessary. Continue to install crushed stone to stabilize exposed soils. 8/14/08</p>	<p>NA (Not applicable)</p> <p>Needs regular attention.</p>
Vault Openings and Trench Construction Westport/Norwalk	<p>Restoration efforts were observed at vault #12, #23, & #26. 8/14/08</p>	<p>None. 8/14/08</p>	<p>NA</p>
Erosion and Sediment Controls	<p>Controls were removed from catch basins on state routes per the request of ConnDOT to improve drainage during winter conditions. Contractor plans to discontinue use of controls for the duration of the project and clean basins as necessary. 8/14/08</p>	<p>Since controls are no longer in place in the catch basins, attend to all sediment at the source and stabilize exposed soils as quickly as possible. Clean catch basins as necessary. 8/14/08</p>	<p>Needs regular attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Norwalk	<p>Temporary curbing remains along Westport Ave. near sta. #81 (vault #5) to minimize the potential for erosion. The temp. curbing is beginning to deteriorate. Area has been backfilled with processed material but remains exposed. 8/14/08</p> <p>Work appears completed near sta. #129-131 and the area remains temporarily stabilized with processed material. 8/14/08</p>	<p>Continue to stabilize exposed soils and provide final surfacing/ restoration. Continue to monitor and sweep the roadway as necessary. 8/14/08</p> <p>Stabilize exposed soil. Sweep area if necessary and continue to monitor for stabilization. 8/14/08</p>	<p>Needs attention/ final restoration.</p> <p>Needs final restoration.</p>
Westport	<p>A minor amount of debris/sediment was observed along the edge of the roadway near vault #12 and vault #26, where restorations efforts are underway. 8/14/08</p> <p>Portions of the erosion controls are deteriorating between the hard- pack material and Stony Brook at sta. #217 and don't provide complete coverage. Some areas of process material and soil appear to have the potential to run-off (since 1/24). 8/14/08</p> <p>Stone curbing has been set near sta. #234. This area has been scheduled for paving for some time now (since 3/20). 8/14/08</p> <p>The heavy ruts in the median/island near sta. #316-318 have been re-graded and topsoil has been spread over the area. 8/14/08</p>	<p>Sweep the roadway as necessary. Stabilize areas of exposed soils and continue to monitor for final stabilization. 8/14/08</p> <p>Continue to monitor and maintain controls as necessary. Ensure that all material remains contained. See Inland Wetlands section for more details. 1/24-8/14/08</p> <p>Monitor areas of exposed processed material. Pave area as soon as feasible to permanently restore area (since 3/20). 8/14/08</p> <p>Remove the accumulated sediment along the curb and sweep the roadway as necessary. Ensure the entire area is seeded as well as mulched for temporary stabilization. 8/14/08</p>	<p>Needs attention.</p> <p>Continue to monitor.</p> <p>Needs evaluation for final surface treatment.</p> <p>Area has been re-graded and topsoil has been spread . Needs additional attention- Area needs mulch.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Kings Highway Lay-down Yard (Fairfield) (Currently being used for Segment 4a and 4b operations.)</p>	<p>Bituminous curbing (missing since 1/24) along the north side of the median near sta. #316-318 has been replaced. 8/14/08</p> <p>Perimeter controls remain in place. Crushed stone remains throughout the yard to reduce tracking. Sediment tracking and dust issues were not observed at the time of the inspection. 8/14/08</p> <p>Washout water from cleaning the frac tanks was dumped into the material stockpile to bind together prior to disposal. A soil berm was built to provide containment. 8/14/08</p>	<p>None at this time. 8/14/08</p> <p>Continue to monitor and maintain controls as necessary. Maintain crushed stone throughout the yard to reduce the potential for tracking, dust migration, and limit the amount of material piled near controls. Apply water over the surface of the yard as necessary to control dust migration. 8/14/08</p> <p>Continue to monitor the containment area and reinforce the soil berm as necessary. Continue to ensure adequate capacity. 8/14/08</p>	<p>Bituminous curbing has been replaced.</p> <p>Needs regular attention.</p> <p>Continue to monitor.</p>
<p>Sherwood Island lay-down yard</p>	<p>Perimeter controls remain in place. Sediment tracking was not observed along the access road. Crushed stone remains throughout the yard. Vehicles, equipment and materials are being stored along the access road. Washout water from cleaning the frac tanks was mixed with soil and has been disposed. 8/14/08</p>	<p>Continue to sweep the roadway and monitor and maintain controls as necessary. Continue spreading crushed stone where equipment is being stored to reduce tracking. Full restoration (including stone removal) will be needed when access needs are complete. 8/14/08</p>	<p>Needs regular attention.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>The Kings Highway lay-down yard is located adjacent to potential resource areas and a concrete lined waterway. 8/14/08</p> <p>Areas adjacent to the Stony Brook bridge have been seeded but not</p>	<p>See Erosion and Sediment Controls section. 8/14/08</p> <p>Continue restoration/ stabilization efforts and monitor until vegetation</p>	<p>NA</p> <p>Needs evaluation</p>

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	<p>mulched. Grass cover is present in some areas while other areas adjacent to the walls are still bare/gravel material. (since 9/11/07). 8/14/08</p>	<p>is fully restored. Exposed material appears to have the potential to wash into the stream. (noted since 2/14). See Erosion and Sediment Controls section for additional details. 8/14/08</p>	
<p>Staging, Storage, and Parking Areas</p>	<p>A contractor lay-down yard is located within Sherwood Island State Park. 8/14/08 BSC was informed the contractor has contracted use of the Sherwood Island yard for other projects in the area. 8/14/08</p> <p>A contractor lay-down yard is located off of Kings Highway near the Rt. 1 rotary. This is being used for both 4a and 4b activities. Reserve spill kits are located near the equipment trailers. 8/14/08</p>	<p>See the Erosion and Sediment Controls section for more detail 8/14/08 An agreement will have to be worked out regarding the level of restoration the project is responsible for. 8/14/08</p> <p>See Erosion and Sediment Controls section for more information. 8/14/08</p>	<p>NA</p> <p>Needs future discussion at the end of the M/N project.</p> <p>NA</p>
<p>Soils</p>	<p>Minor amounts of soil have been exposed as part of the vault construction, utility work, and tie-in activities. Portions of the exposed soil near the vaults remain stabilized with hard-pack material or crushed stone. 8/14/08</p> <p>Area near sta. #234 is backfilled and needs to be paved (since 3/20) Vehicles have previously driven through the unpaved area and materials were eroding</p>	<p>Most areas are temporarily stabilized. Soils appear to be handled appropriately. If exposed soils are not to be worked within 21 days, they should be stabilized within 7 days of the last activity. Where work has been completed, the areas should be seeded, and mulched as part of permanent restoration. 8/14/08</p> <p>Monitor areas of exposed processed material. Pave area as soon as feasible to permanently restore area. 3/20-8/14/08 See Erosion and Sediment Controls section for more</p>	<p>Continue to monitor areas.</p> <p>Soil stockpiles have been spread. Needs additional attention/final surfacing.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>(since 6/20). Soil has been spread in multiple locations near the curbed islands. 8/14/08</p> <p>The area surrounding vault #12 is being restored. Sidewalk and curbing were installed and topsoil was spread. A minor amount of soil was accumulating along the edge of the roadway. 8/14/08</p> <p>The area near vault #26 has been restored. Topsoil has been spread and the area has been hydro-seeded. 8/14/08</p>	<p>details. 8/14/08</p> <p>Stabilize exposed soil as soon as feasible so that it does not run-off to the parking lot. Sweep roadway as necessary. Refer to Erosion Control section for more details. 8/14/08</p> <p>Continue to monitor the area for permanent stabilization. 8/14/08</p>	<p>Stabilize soils with mulch or vegetation. Needs attention.</p> <p>Restoration efforts noted near vault #26.</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. 8/14/08</p>	<p>None. 8/14/08</p>	<p>NA</p>
<p>Vegetative clearing (including trees to save or danger trees noted) or stabilization</p>	<p>Trees were previously removed near vault #12 to accommodate work. The area is being restored at this time. Topsoil was spread over the area but remains exposed. 7/25-8/14/08</p> <p>Some areas near vault #20 are approximately 75% vegetated, while others have failed to vegetate due to vehicles parking in these areas from adjacent businesses. 8/14/08</p> <p>Two trees have previously been removed near sta. #145 per the D&M plan. 8/14/08</p>	<p>Restore as required by the D&M plan when feasible. Establish vegetative cover and plantings as soon as feasible. 7/25-8/14/08</p> <p>Areas can be considered stable once it has reached 75% cover. See Soils section. Work on solutions with the landowner. 8/14/08</p> <p>Cleared trees have been removed in accordance with the D&M plan. Restore as required by the D&M plan when feasible. 8/14/08</p>	<p>Area was being restored; further attention needed.</p> <p>Needs attention when feasible.</p> <p>NA</p>
<p>Dewatering</p>	<p>Dewatering was not</p>	<p>Continue to ensure that</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	observed during this week's inspection. 8/14/08	material is contained appropriately and treated according to the ground-water handling plan as referenced in the D&M. 8/14/08	
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yard. 8/14/08 A light post and associated concrete footings remain at sta #148. 10/4/07-8/14/08	Ensure that spill kits are also present with each vehicle during active construction. 8/14/08 Remove or attend to materials when feasible. 10/4/07-8/14/08	NA Needs attention when feasible.
Additional Observations	None. 8/14/08	None. 8/14/08	NA

Next likely scheduled inspection: Thursday August 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: Lennox Keen, BSC Group

Reviewer: Diana Walden, BSC Group



Temporary curbing remains along Westport Ave. near sta. #81 (vault #5) but is beginning to deteriorate. Area has been backfilled with process material but remains exposed. Work towards final stabilization/surfacing in the area.



The area near vault #26 has been restored. Topsoil has been spread and the area has been hydro-seeded.



Tie-in work appears to have been completed at vault #10.



A minor amount of debris/sediment was observed along the edge of the curb near vault #12, where restorations efforts are underway.