

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: March 20, 2008

Inspector: Gregory Sommer

Location: Westport Avenue to the Norwalk Substation in the City of Norwalk

Rain Event: 1.26" of precipitation was reported since the previous inspection with 1.17" of the total recorded on 3/19 (Bridgeport, CT NOAA data).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	All work is within existing paved roadways at this time. 3/20/08	None. See erosion control section for details on sediment tracking. 3/20/08	NA (Not applicable)
	At the staging area on the east side of the Saugatuck River, the existing stone construction entrance has become covered with mud and needs to be refreshed. Sediment tracking was moderate in the parking lot and along the access drive, but the area was being swept at the time of the inspection. 3/20/08	Continue to sweep parking lot as necessary. Refresh the construction entrance with clean stone. 3/20/08	Sweeping was occurring but the entrance pad needs attention.
	Minimal sediment tracking was observed from the shoulder of the access road to the Sherwood Island yard. During past rain events, turbid run-off has been observed reaching catch basins. (Since 1/11) A small sink hole has formed along the access	Continue to sweep the roadway and monitor and maintain controls as necessary. Continue to install crushed stone to stabilize exposed soils. Also, see erosion control section. 3/20/08	Needs regular attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	drive. 3/20/08		
Vault Openings and Trench Construction Westport/Norwalk	Active trenching and/or steel road plates were observed at the time of the inspection near sta. #163-165, #232-234, #252-254, & #441-443. 3/20/08	See Erosion and Sediment Controls section of this report for additional details. 3/20/08	NA
<p data-bbox="188 600 456 659">Erosion and Sediment Controls</p> <p data-bbox="188 951 302 982">Norwalk</p> <p data-bbox="188 1881 310 1913">Westport</p>	<p data-bbox="488 600 797 919">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 on all roadways during winter months. 3/20/08</p> <p data-bbox="488 951 789 1398">Temporary curbing remains along Westport Ave. near sta. #81 (vault #5) to minimize the potential for erosion. Portions of the silt fence are in disrepair again and needs to be restored. However, the roadway appears to have been recently swept and remains free of sediment accumulation. 3/13-3/20/08</p> <p data-bbox="488 1430 789 1623">Work appears completed near sta. #129-131 and the area remains temporarily stabilized with processed material and mulch. 3/20/08</p> <p data-bbox="488 1654 776 1848">Minor ponding was observed in the parking lot near sta. #147. The silt sack in the catch basin appeared to be plugged. 3/20/08</p> <p data-bbox="488 1881 789 1938">Portions of the erosion controls are deteriorating</p>	<p data-bbox="823 600 1123 888">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. 3/20/08</p> <p data-bbox="823 951 1118 1203">Continue to stabilize exposed soils sufficiently for the winter. Repair damaged sections of silt fence and continue to monitor and sweep the roadway as necessary. 2/14-3/20/08</p> <p data-bbox="823 1430 1118 1528">Sweep area if necessary and continue to monitor for stabilization. 3/20/08</p> <p data-bbox="823 1654 1123 1812">Clean or remove silt sack to re-establish proper drainage. Clean catch basin if necessary. 3/20/08</p> <p data-bbox="823 1881 1123 1938">Continue to monitor and maintain controls as</p>	<p data-bbox="1157 600 1328 659">Needs regular attention.</p> <p data-bbox="1157 951 1398 1010">Silt fence needs additional attention.</p> <p data-bbox="1157 1430 1203 1461">NA</p> <p data-bbox="1157 1654 1352 1686">Needs attention.</p> <p data-bbox="1157 1881 1411 1913">Continue to monitor.</p>

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	<p>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). 3/20/08</p> <p>Tie-in work for vault #15 was ongoing in the staging area on the east side of the Saugatuck River near sta. #251. Adjacent catch basin was protected. The area was very muddy from heavy vehicle activity. Dump trucks were accessing the site via the existing stone construction entrance, which has become covered with mud and needs refreshing (since 3/6). Tracking was moderate in the parking lot and along the access drive, but was being swept at the time of the inspection. 3/20/08</p> <p>Two steel plates remain in the parking lot area near the corner of Imperial Ave. and Rte. 1 near sta. #264-265 and a minimal amount of residual sediment was observed. 3/13-3/20/08</p> <p>Sediment tracking and heavy rutting was observed in the island near sta. #316-318. Hay mulch was previously applied to stabilize the exposed soils, but significant ruts and tracking on the roadway remain (since 11/21) as a result of access by electrical contractors. Active work appears</p>	<p>necessary. Ensure that all material remains contained. See Inland Wetlands section for more details. 1/24-3/20/08</p> <p>Sweep parking lot as necessary. Refresh construction entrance and continue to access area through the existing stone construction entrance. 3/6-3/20/08</p> <p>Sweep parking lot area as necessary to reduce the potential for tracking. 3/13-3/20/08</p> <p>Remove the accumulated sediment along the curb and sweep the roadway as necessary. Temporarily stabilize any portions where active work/ access is no longer required. The remainder of this area needs to be sufficiently stabilized. 12/31- 3/13/08 Coordinate responsibilities between</p>	<p>Needs attention. (Area was being swept but the entrance pad still needs attention.)</p> <p>Needs attention when feasible.</p> <p>Needs attention.</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>Sherwood Island lay-down yard</p>	<p>complete and stabilization is needed. 2/21-3/20/08</p> <p>Bituminous curbing along the north side of the median near sta. #316-318 is broken and/or missing in some areas. 1/24-3/20/08</p> <p>Perimeter controls remain in place but some areas need maintenance. Minor sediment tracking was observed. (See 4A report for more details.) 3/20/08</p> <p>Perimeter controls remain in place. Sediment tracking was observed along the access road. Some of the ruts along the shoulders of the access road appear to have been re-graded but vehicles and equipment continue to park in adjacent areas. A small sink hole has also formed in the access road (since 3/13). 3/20/08</p>	<p>contractors if needed. 3/20/08</p> <p>Replace bituminous curbing if work is complete in this area. 1/24-3/20/08</p> <p>Continue to sweep the roadway as necessary. Continue to monitor and maintain controls. Spread the crushed stone throughout the yard to limit the amount of material piled near controls. 12/31-3/20/08</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. 3/20/08</p>	<p>Needs attention when work is complete in the area.</p> <p>Needs attention when feasible.</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. 3/20/08</p> <p>Areas adjacent to the Stony Brook bridge have been seeded but not mulched. Grass cover is present in some areas while other areas adjacent to the walls are still bare/gravel material. (since 9/11/07) 3/20/08</p>	<p>See Erosion and Sediment Controls section. 3/20/08</p> <p>Continue restoration/stabilization efforts and monitor until vegetation is fully restored. See Erosion and Sediment Controls section for additional details. Exposed material appears to have the potential to wash into the stream. (noted since 2/14) Consider working out a shrub planting plan with the landowner to</p>	<p>NA</p> <p>Needs evaluation.</p>

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		provide shading for the brook 3/6-3/20/08	
Staging, Storage, and Parking Areas	<p>A contractor lay-down yard is located within Sherwood Island State Park. 3/20/08</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. 3/20/08</p> <p>The old HDD laydown yard on the east side of the Saugatuck River is being utilized by the 4b contractors. 3/20/08</p>	<p>See the Erosion and Sediment Controls section for more detail 3/20/08</p> <p>See Erosion and Sediment Controls section for more detail. 3/20/08</p> <p>See Erosion and Sediment Controls section for more detail. 3/20/08</p>	<p>NA</p> <p>NA</p> <p>NA</p>
Soils	<p>Exposed soils were noted due to excavation for trench, vault, and utility work. 3/20/08</p> <p>Minor amounts of soil have been exposed as part of the vault #6, #8, #9, #11, #12, #13, #19, #23, and #26 construction and tie-in activities. Portions of the exposed soil near the vaults remain stabilized with hard-pack material or mulch. 3/15/07-3/20/08</p> <p>Vehicles continue to park on the previously seeded areas/exposed soils near sta. #334 (vault #20). The soil is well compacted. Minor rutting and tracking were observed. 3/20/08</p> <p>Vault tie-in work near sta. #234 is completed and the area is backfilled with processed material. Soil is exposed but most areas</p>	<p>Soils appear to have been handled appropriately. 3/20/08</p> <p>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, sufficient mulch should be applied to the topsoil for winter stabilization and readdressed during the growing season. 3/20/08</p> <p>Apply additional mulch in the area so that there is cover sufficient for the winter months. Work out the parking situation with the landowner. Install bituminous curbing. 11/21/07-3/20/08</p> <p>Stabilize exposed soils as necessary. Pave area as soon as feasible to permanently restore area. 3/20/08</p>	<p>NA</p> <p>Continue to monitor areas.</p> <p>Contractor is currently working with the landowner to resolve the parking situation.</p> <p>Needs attention when active work is complete.</p>

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	<p>have mulch and/or stone in place. The area is expected to be paved within the next few weeks. 3/20/08</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. 3/20/08</p>	<p>None. 3/20/08</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. 3/20/08</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. 11/08/07-3/20/08</p> <p>Two trees have previously been removed near sta. #145 per the D&M plan. 3/20/08</p>	<p>Cleared trees have been removed in accordance with the D&M plan. Restore as required by the D&M plan when feasible. 3/20/08</p> <p>Areas can be considered stable once it has reached 75% cover. See Soils section. Work on solutions with the landowner and apply sufficient mulch for the winter. 3/20/08</p> <p>Cleared trees have been removed in accordance with the D&M plan. Restore as required by the D&M plan when feasible. 3/20/08</p>	<p>NA</p> <p>Needs attention when feasible.</p> <p>NA</p>
<p>Dewatering</p>	<p>Dewatering was not observed during this week's inspection. 3/20/08</p>	<p>Continue to ensure that material is contained appropriately and treated according to the ground-water handling plan as referenced in the D&M. 3/20/08</p>	<p>NA</p>
<p>Spills and Material Storage</p>	<p>Spill cleanup materials/kits were observed in the storage yard. 3/20/08</p> <p>A light post and associated concrete footings were being stored at sta. #148. Materials appear to be project related. 10/4/07-3/20/08</p> <p>The mulch and soil that</p>	<p>Ensure that spill kits are also present with each vehicle during active construction. 3/20/08</p> <p>Remove or attend to materials when feasible. 10/4/07-3/20/08</p> <p>None. 3/20/08</p>	<p>NA</p> <p>Needs attention when feasible</p> <p>The stockpiled soil</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	had been temporarily stockpiled in the staging area has been removed. 3/20/08		has been removed.
Additional Observations	None. 3/20/08	None. 3/20/08	NA

Next likely scheduled inspection: Friday, March 28, 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: Gregory Sommer, BSC Group

Reviewer: Diana Walden, BSC Group



Vault tie-in work continues at sta. #163-166. Conduit was being installed at the time of the inspection. Steel plates remain over portions of the trench.



On the west side of the Saugatuck River vault tie-in work is complete and the area has been backfilled. Exposed soil remains stabilized with hay mulch and/or stone. The area is expected to be paved within the next few weeks.



The construction entrance near the staging area on the east side of the Saugatuck River near sta. #251 is covered with mud and sediment and no longer functions. Sediment tracking was observed throughout the adjacent parking area. Heavy ruts have also formed near the corner of the access drive and Imperial Ave. The adjacent catch basin was not protected. Minor tracking was observed along Imperial Ave. but the area was being swept during the inspection. The entrance pad should be refreshed.

