

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: April 3, 2008

Inspector: Gregory Sommer

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

Rain Event: 0.74" of precipitation was reported since the previous inspection with 0.27" recorded on 3/31 and 0.42" recorded on 4/1 (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. 4/03/08	None. See erosion control section for details on sediment tracking. 4/03/08	NA (Not applicable)
	Sediment tracking was not observed this week from the staging area entrance on the east side of the Saugatuck River. However, the catch basin near the entrance did not have controls in place. 4/03/08	Refresh the existing stone construction entrance as needed. Install controls at the catch basin; turbid run-off was noted in the vicinity. 4/03/08	Catch basin needs evaluation.
	Minimal sediment tracking was observed from the shoulder of the access road to the Sherwood Island yard. The drive appeared to be swept recently. A small sink hole remains along the access drive. Crushed stone appears to have been added along the shoulder of the access road. 4/03/08	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. 4/03/08	The area appears to have been swept recently. Needs regular attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Vault Openings and Trench Construction Westport/Norwalk</p>	<p>Active trenching and/or steel road plates were observed at the time of the inspection near sta. #80-81, #147-148, #163-166, #232-234, #250-252, & #443-444. 4/03/08</p>	<p>See Erosion and Sediment Controls section of this report for additional details. 4/03/08</p>	<p>NA</p>
<p>Erosion and Sediment Controls</p> <p>Norwalk</p> <p>Westport</p>	<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 on all roadways during winter months. 4/03/08</p> <p>Temporary curbing remains along Westport Ave. near sta. #81 (vault #5) to minimize the potential for erosion. Silt fence has been repaired in some areas. No sediment accumulation was observed along the shoulder of the roadway. 4/03/08</p> <p>Work appears completed near sta. #129-131 and the area remains temporarily stabilized with processed material and mulch. 3/20-4/03/08</p> <p>Minor ponding was previously observed in the parking lot near sta. #147. The silt sack appeared to be plugged (since 3/20). Active trench work is ongoing and steel plates were covering the trench. An adjacent catch basin was not protected with controls. 4/03/08</p> <p>Portions of the erosion</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. 4/03/08</p> <p>Continue to stabilize exposed soils sufficiently. Continue to maintain silt fence and continue to monitor and sweep the roadway as necessary. 4/03/08</p> <p>Stabilize exposed soil. Sweep area if necessary and continue to monitor for stabilization. 3/20-4/03/08</p> <p>Clean or remove silt sack to re-establish proper drainage. Clean catch basin if necessary. 3/20-4/03/08</p> <p>Protect adjacent catch basin with silt sack or cover opening with plywood during construction. 4/03/08</p> <p>Continue to monitor and</p>	<p>Needs regular attention.</p> <p>NA at this time.</p> <p>NA</p> <p>Catch basins need attention.</p> <p>Continue to monitor.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>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). 4/03/08</p> <p>Tie-in work for vault #15 is complete and the staging area on the east side of the Saugatuck River near sta. #251 was being restored. Sediment tracking was not observed. Stone has been placed near the corner of the entrance island to minimize the potential for tracking. The drainage swale has also been restored and lined with crushed stone and a dirt berm was being reconstructed. 4/03/08</p> <p>Gravel and small pieces of cold mix remain along the sidewalk on Imperial Ave. between sta. #256-260. 4/03/08</p> <p>Steel plates were removed from the parking lot area near the corner of Imperial Ave. and Rte. 1 near sta. #264-265 and residual sediment has been swept. 4/03/08</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</p>	<p>maintain controls as necessary. Ensure that all material remains contained. See Inland Wetlands section for more details. 1/24-4/03/08</p> <p>Continue to sweep parking lot as necessary. Refresh construction entrance and continue to access area through the existing stone construction entrance. 3/20-4/03/08</p> <p>Continue to stabilize/ re-vegetate the remaining exposed soils at the swale. 3/28-4/03/08 The berm will need adjacent erosion controls until it is stabilized with vegetation. 4/03/08</p> <p>Sweep sidewalk and curb to remove accumulated gravel/material. 4/03/08</p> <p>None. 4/03/08</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- 4/03/08</p>	<p>Needs regular attention.</p> <p>Soils need stabilization or controls until cover is established.</p> <p>Needs attention.</p> <p>Residual sediment has been swept and removed.</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>by electrical contractors. Active work appears complete and stabilization is needed. 2/21-4/03/08</p> <p>Bituminous curbing along the north side of the median near sta. #316-318 is broken and/or missing in some areas. 1/24-4/03/08</p> <p>Perimeter controls remain in place but some areas need maintenance. Minor sediment tracking was observed. (See 4A report for more details). 4/03/08</p> <p>Perimeter controls remain in place. Sediment tracking was not observed along the access road. Crushed stone has been added throughout the yard and appears to have helped reduce the potential for tracking. Vehicles and equipment continue to park in areas adjacent to the access road. A small sink hole has also formed in the access road (since 3/13). Accumulated sediment has been removed from along the shoulder of Sherwood Island Connector. 4/03/08</p>	<p>Coordinate responsibilities between contractors if needed. 4/03/08</p> <p>Replace bituminous curbing if work is complete in this area. 1/24-4/03/08</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. 12/31-4/03/08</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. 4/03/08</p>	<p>Needs attention when work is complete in the area.</p> <p>Needs attention when feasible.</p> <p>Area was swept and crushed stone was added. 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. 4/03/08</p> <p>Areas adjacent to the Stony Brook bridge have been seeded but not mulched. Grass cover is present in some areas</p>	<p>See Erosion and Sediment Controls section. 4/03/08</p> <p>Continue restoration/ stabilization efforts and monitor until vegetation is fully restored. See Erosion and Sediment</p>	<p>NA</p> <p>Needs evaluation.</p>

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	<p>while other areas adjacent to the walls are still bare/gravel material. (since 9/11/07). 4/03/08</p>	<p>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 provide shading for the brook 3/6-4/03/08</p>	
<p>Staging, Storage, and Parking Areas</p>	<p>A contractor lay-down yard is located within Sherwood Island State Park. 4/03/08</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. 4/03/08</p> <p>4b contractors were working to restore the old HDD laydown yard on the east side of the Saugatuck River. 4/03/08</p>	<p>See the Erosion and Sediment Controls section for more detail 4/03/08</p> <p>See Erosion and Sediment Controls section for more detail. 4/03/08</p> <p>See Erosion and Sediment Controls section for more details. Berm and exposed soil needs stabilization before crews leave. 4/03/08</p>	<p>NA</p> <p>NA</p> <p>NA at this time-continue to stabilize</p>
<p>Soils</p>	<p>Exposed soils were noted due to excavation for trench, vault, and utility work. 4/03/08</p> <p>Minor amounts of soil have been exposed as part of the vault construction and tie-in activities. Portions of the exposed soil near the vaults remain stabilized with hard-pack material or crushed stone. 4/03/08</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</p>	<p>Soils appear to have been handled appropriately. 4/03/08</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, the areas should be seeded, and mulched as part of permanent restoration. 4/03/08</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</p>	<p>NA</p> <p>Continue to monitor areas.</p> <p>Contractor is currently working with the landowner to resolve the parking situation.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>tracking were observed. 4/03/08</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 have mulch and/or stone in place. The area is expected to be paved within the next few weeks. 3/20-4/03/08</p>	<p>bituminous curbing. 11/21/07-4/03/08</p> <p>Stabilize exposed soils as necessary. Pave area as soon as feasible to permanently restore area. 3/20-4/03/08</p>	<p>Needs attention when feasible/ within timelines.</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. 4/03/08</p>	<p>None. 4/03/08</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. 4/03/08</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. 11/08/07-4/03/08</p> <p>Two trees have previously been removed near sta. #145 per the D&M plan. 4/03/08</p>	<p>Cleared trees have been removed in accordance with the D&M plan. Restore as required by the D&M plan when feasible. 4/03/08</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. 4/03/08</p> <p>Cleared trees have been removed in accordance with the D&M plan. Restore as required by the D&M plan when feasible. 4/03/08</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. 4/03/08</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. 4/03/08</p>	<p>NA</p>
<p>Spills and Material Storage</p>	<p>Spill cleanup materials/kits were observed in the storage yard. 4/03/08</p>	<p>Ensure that spill kits are also present with each vehicle during active construction. 4/03/08</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>A light post and associated concrete footings were being stored at sta. #148. Materials appear to be project related. 10/4/07-4/03/08</p> <p>Buried logs uncovered during excavation for vault #15 near sta. #251 have been ground into mulch. The mulch is temporarily stockpiled in the staging area. 4/03/08</p>	<p>Remove or attend to materials when feasible. 10/4/07-4/03/08</p> <p>Ensure that the stockpiled materials are adequately contained. Remove or attend to materials when feasible. 4/03/08</p>	<p>Needs attention when feasible</p> <p>Needs attention when feasible.</p>
Additional Observations	None. 4/03/08	None. 4/03/08	NA

Next likely scheduled inspection: Thursday April 10, 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. #147. The catch basin adjacent to the trench was not protected with controls.



The access drive to the Sherwood Island yard appears to have been recently swept and sediment tracking was not observed this week.



Tie-in work is complete on the east side of the Saugatuck River, near sta. #251. The area is being restored. A dirt berm was being reconstructed near the perimeter of the yard. Ensure that controls are placed adjacent to the berm until the area can re-vegetate.



View of the crushed stone in place at the corner of the access drive and Imperial Ave. where the heavy ruts used to be. Ensure that the catch basin here is also protected/controlled.