

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 28, 2008

Inspector: Gregory Sommer

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

Rain Event: 0.16" of precipitation was reported since the previous inspection with 0.13" recorded on 3/20 (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. 3/28/08	None. See erosion control section for details on sediment tracking. 3/28/08	NA (Not applicable)
	Improvements were made near the entrance to the staging area on the east side of the Saugatuck River. Sediment tracking was not observed this week. 3/28/08	Refresh the existing stone construction entrance as needed. 3/28/08	Some improvements were made. Needs regular attention.
	Minimal sediment tracking was observed from the shoulder of the access road to the Sherwood Island yard. A small sink hole remains along the access drive. 3/28/08	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. 3/28/08	Needs regular attention.
Vault Openings and Trench Construction Westport/Norwalk	Active trenching and/or steel road plates were observed at the time of the inspection near sta. #80-81, #163-166, #231-234, #250-252, & #442-443. 3/28/08	See Erosion and Sediment Controls section of this report for additional details. 3/28/08	NA

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<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. 3/28/08</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. 3/28/08</p>	<p>Needs regular attention.</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. 3/28/08</p>	<p>Continue to stabilize exposed soils sufficiently. Continue to maintain silt fence and continue to monitor and sweep the roadway as necessary. 3/28/08</p>	<p>Silt fence has been repaired.</p>
	<p>Work appears completed near sta. #129-131 and the area remains temporarily stabilized with processed material and mulch. 3/20-3/28/08</p>	<p>Stabilize exposed soil. Sweep area if necessary and continue to monitor for stabilization. 3/20-3/28/08</p>	<p>NA</p>
	<p>Minor ponding was previously observed in the parking lot near sta. #147. The silt sack appeared to be plugged. 3/20-3/28/08</p>	<p>Clean or remove silt sack to re-establish proper drainage. Clean catch basin if necessary. 3/20-3/28/08</p>	<p>Needs attention.</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). 3/28/08</p>	<p>Continue to monitor and maintain controls as necessary. Ensure that all material remains contained. See Inland Wetlands section for more details. 1/24-3/28/08</p>	<p>Continue to monitor.</p>
	<p>Tie-in work for vault #15 is almost complete and the staging area on the</p>	<p>Continue to sweep parking lot as necessary. Refresh construction</p>	<p>Stone was added to the ruts near the entrance but the</p>

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<p>Kings Highway Lay-down Yard (Fairfield) (Currently being used for Segment 4a and 4b operations.)</p>	<p>east side of the Saugatuck River near sta. #251 was vacant. Sediment tracking was not observed. Stone has been placed near the corner of the entrance island to minimize the potential for ruts and tracking. The drainage swale has also been restored and lined with crushed stone. Some soil remains exposed. 3/28/08</p>	<p>entrance and continue to access area through the existing stone construction entrance. 3/20-3/28/08</p>	<p>construction pad still needs attention.</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. 3/13-3/28/08</p>	<p>Continue to stabilize/ re-vegetate the remaining exposed soils at the swale. 3/28/08</p>	<p>Drainage swale was re-established but soils still need stabilization.</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 complete and stabilization is needed. 2/21-3/28/08</p>	<p>Sweep parking lot area as necessary to reduce the potential for tracking. 3/13-3/28/08</p>	<p>Needs attention when feasible.</p>
	<p>Bituminous curbing along the north side of the median near sta. #316-318 is broken and/or missing in some areas. 1/24-3/28/08</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- 3/28/08 Coordinate responsibilities between contractors if needed. 3/28/08</p>	<p>Needs attention.</p>
	<p>Perimeter controls remain in place but some areas need maintenance. Minor sediment tracking was observed. (See 4A report for more details.) 3/28/08</p>	<p>Replace bituminous curbing if work is complete in this area. 1/24-3/28/08</p>	<p>Needs attention when work is complete in the area.</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. 12/31-3/28/08</p>	<p>Needs attention when feasible.</p>

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<p>Sherwood Island lay-down yard</p>	<p>Perimeter controls remain in place. Sediment tracking was not 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). 3/28/08</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. 3/28/08</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. 3/28/08</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) 3/28/08</p>	<p>See Erosion and Sediment Controls section. 3/28/08</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 provide shading for the brook 3/6-3/28/08</p>	<p>NA</p> <p>Needs evaluation.</p>
<p>Staging, Storage, and Parking Areas</p>	<p>A contractor lay-down yard is located within Sherwood Island State Park. 3/28/08</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. 3/28/08</p> <p>The old HDD laydown yard on the east side of</p>	<p>See the Erosion and Sediment Controls section for more detail 3/28/08</p> <p>See Erosion and Sediment Controls section for more detail. 3/28/08</p> <p>See Erosion and Sediment Controls section for more</p>	<p>NA</p> <p>NA</p> <p>NA at this time</p>

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	<p>the Saugatuck River is being utilized by the 4b Contractors but was vacant this week. 3/28/08</p>	<p>detail. Full restoration of this yard will be needed. 3/20/08</p>	
<p>Soils</p>	<p>Exposed soils were noted due to excavation for trench, vault, and utility work. 3/28/08</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. 3/15/07-3/28/08</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. 3/28/08</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. 3/20-3/28/08</p>	<p>Soils appear to have been handled appropriately. 3/28/08</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. 3/28/08</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. 11/21/07-3/28/08</p> <p>Stabilize exposed soils as necessary. Pave area as soon as feasible to permanently restore area. 3/20-3/28/08</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 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. 3/28/08</p>	<p>None. 3/28/08</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. 3/28/08</p>	<p>Cleared trees have been removed in accordance with the D&M plan. Restore as required by the D&M plan when feasible. 3/28/08</p>	<p>NA</p>

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	<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. 11/08/07-3/28/08</p> <p>Two trees have previously been removed near sta. #145 per the D&M plan. 3/28/08</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. 3/28/08</p> <p>Cleared trees have been removed in accordance with the D&M plan. Restore as required by the D&M plan when feasible. 3/28/08</p>	<p>Needs attention when feasible.</p> <p>NA</p>
Dewatering	<p>Dewatering was not observed during this week's inspection. 3/28/08</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. 3/28/08</p>	NA
Spills and Material Storage	<p>Spill cleanup materials/kits were observed in the storage yard. 3/28/08</p> <p>A light post and associated concrete footings were being stored at sta. #148. Materials appear to be project related. 10/4/07-3/28/08</p>	<p>Ensure that spill kits are also present with each vehicle during active construction. 3/28/08</p> <p>Remove or attend to materials when feasible. 10/4/07-3/28/08</p>	<p>NA</p> <p>Needs attention when feasible</p>
Additional Observations	<p>None. 3/28/08</p>	<p>None. 3/28/08</p>	NA

Next likely scheduled inspection:

Thursday April 3, 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



Steel plates remain in place over the trench work at sta. #80-81. The silt fence has been repaired.



On the west side of the Saugatuck River near sta. #234, the drill pits have been backfilled and are ready to be paved.



The drainage swale has been restored along the access drive near sta. #251. Crushed stone has been added to stabilize the swale. Revegetate the remaining areas of exposed soil as soon as feasible.



Crushed stone is also in place near the corner of the access drive which was previously rutted from heavy vehicle traffic. The stone should help to reduce the potential for sediment tracking.