

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: February 27, 2008

Inspector: Margaret Washburn

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

Rain Event: 1.03" of precipitation was reported since the previous inspection with 0.53" recorded on 2/22 and 0.49" recorded on 2/26 (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. 2/27/08  Sediment tracking from the shoulder of the access road to the Sherwood Island yard was moderate this week but was limited to the access driveway. During past rain events, turbid run-off has been observed reaching catch basins. 1/11-2/27/08	None. See erosion control section for details on sediment tracking. 2/27/08  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. 2/27/08	NA (Not applicable)  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. #164, #185, #218, #231-234, #251 (vault #15), #252-254, #265, #316-318, & #381. 2/27/08	See Erosion and Sediment Controls section of this report for additional details. 2/27/08	NA
Erosion and Sediment Controls	Controls were removed from catch basins on state routes per the request of ConnDOT to improve drainage during winter	Since controls are no longer in place in the catch basins, attend to all sediment at the source and stabilize exposed	Needs regular attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Norwalk	<p>conditions. Contractor plans to discontinue use of controls on all roadways during winter months. 2/27/08</p> <p>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 remains free of sediment accumulation. 2/27/08</p> <p>The area near sta. #129-131 remains temporarily stabilized with processed material and mulch. Ruts were observed in the parkway area with minor sediment tracking along the roadway. 2/14-2/27/08</p>	<p>soils as quickly as possible. Clean catch basins as necessary. 2/27/08</p> <p>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. 2/14-2/27/08</p> <p>Re-grade the parkway area to remove the ruts. Stabilize exposed soil. Sweep area if necessary and continue to monitor for stabilization. 2/27/08</p>	<p>Silt fence needs additional attention.</p> <p>Needs additional attention.</p>
Westport	<p>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). 2/27/08</p> <p>Vault #15 has been installed at the staging area on the east side of the Saugatuck River near sta. #251 but active work continues. The adjacent catch basin was protected. Dump trucks were accessing the site via the existing stone construction entrance. Tracking was observed but was limited to the adjacent parking lot.</p>	<p>Continue to monitor and maintain controls as necessary. Ensure that all material remains contained. See Inland Wetlands section for more details. 1/24-2/27/08</p> <p>Sweep parking lot as necessary. Continue to access area through the existing stone construction entrance. Temporary barriers may be recommended in this area to reduce vehicle traffic and tracking through this area. Refresh stone in the pad as needed. 2/27/08</p>	<p>Continue to monitor.</p> <p>Needs regular attention but no issues noted.</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>2/27/08</p> <p>Silt fence remains between the road and the brook off Imperial Ave. at sta. #260. Trenching work is almost complete at which time the silt fence will be removed. 2/27/08</p>	<p>Properly maintain silt fence during active construction and remove when the area is stable. 2/27/08</p>	<p>NA</p>
	<p>Two steel plates remain in the parking lot area at the corner of Imperial Ave. and Rte. 1 near sta. #264-265 and a minimal amount of residual sediment was observed. 2/27/08</p>	<p>Sweep parking lot area as necessary to reduce the potential for tracking. 2/27/08</p>	<p>Needs attention when feasible.</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 remain (since 11/21) as a result of access by electrical contractors. Active work appears complete and stabilization is needed. 2/21-2/27/08</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 for the winter months. 12/31- 2/27/08 Coordinate responsibilities between contractors if needed. 2/27/08</p>	<p>Needs attention.</p>
	<p>Bituminous curbing along the north side of the median near sta. #316-318 is broken and/or missing in some areas. 1/24-2/27/08</p>	<p>Replace bituminous curbing if work is complete in this area. 1/24-2/27/08</p>	<p>Needs attention</p>
	<p>Perimeter controls remain in place. Stone previously spread throughout the yard has been plowed into piles near the perimeter controls, during snow removal activities. 12/31-2/27/08 Minor sediment tracking was observed and dust migration may also be an issue this week. 2/21-</p>	<p>Continue to monitor and maintain controls and sweep the roadway as necessary. Spread the crushed stone throughout the yard to reduce the potential for tracking, dust migration and to limit the amount of material piled near controls. 12/31- 2/27/08</p>	<p>Needs attention when feasible.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Sherwood Island lay-down yard</p>	<p>2/27/08</p> <p>Perimeter controls remain in place. Vehicles and equipment continue to park in areas adjacent to the access road. Crushed stone is in place in some areas but remaining areas are still becoming heavily rutted and muddy. 1/24-2/27/08</p> <p>The yard remains muddy from recent rains and some residual sediment tracking was observed along the access road and may present dust migration issues. 2/21-2/27/08</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. 2/27/08</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. 2/27/08</p> <p>Some concrete work on the Stony Brook bridge was noted last week. Adjacent areas 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) A wooden fence has been installed between the auto dealer parking lot and Stony Brook. 2/27/08</p>	<p>See Erosion and Sediment Controls section. 2/27/08</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. 2/27/08</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. 2/27/08</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</p>	<p>See the Erosion and Sediment Controls section for more detail 2/27/08</p> <p>See Erosion and Sediment Controls section for more detail. 2/27/08</p>	<p>NA</p> <p>NA</p>

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	<p>activities. 2/27/08</p> <p>The old HDD laydown yard on the east side of the Saugatuck River is being utilized by the 4b contractors. 2/27/08</p>	See Erosion and Sediment Controls section for more detail. 2/14/08	NA
Soils	<p>Exposed soils were noted due to excavation for trench, vault, and utility work. 2/27/08</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. 3/15/07-2/27/08</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. 2/27/08</p> <p>Soils from the excavation at vault #15 had been stockpiled in the laydown yard with haybales in place for containment. Most of the soil has been removed at this time. 2/27/08</p>	<p>Soils appear to have been handled appropriately. 2/27/08</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. 2/27/08</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. 11/21/07-2/27/08</p> <p>Continue to monitor and ensure controls are adequate for containment until the area is stabilized. 2/27/08</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>Soils were being removed from site.</p>
State species of concern, threatened and endangered species.	According to the D&M plan, state-listed species are not located in this work area. 2/27/08	None. 2/27/08	NA
Vegetative clearing (including trees to save or danger trees noted) or stabilization	Trees were previously removed near vault #12 to accommodate work. 2/27/08	Cleared trees have been removed in accordance with the D&M plan. Restore as required by the D&M	NA

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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. 11/08/07-2/27/08</p> <p>Two trees have previously been removed near sta. #145 per the D&amp;M plan. 2/27/08</p>	<p>plan when feasible. 2/27/08</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. 2/27/08</p> <p>Cleared trees have been removed in accordance with the D&amp;M plan. Restore as required by the D&amp;M plan when feasible. 2/27/08</p>	<p>Needs attention when feasible.</p> <p>NA</p>
Dewatering	No dewatering activities were observed. 2/27/08	When dewatering stormwater from completed vaults, discharge the water directly into a catch basin rather than allowing flow over exposed soils and roadways. 2/27/08	NA
Spills and Material Storage	<p>Spill cleanup materials/kits were observed in the storage yard. 2/27/08</p> <p>A light post and associated concrete footings were being stored at sta. #148. Materials appear to be project related. 10/4/07-2/27/08</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. A stockpile of soil was also observed in the staging area however, controls were not installed at the base. 2/27/08</p>	<p>Ensure that spill kits are also present with each vehicle during active construction. 2/27/08</p> <p>Remove or attend to materials when feasible. 10/4/07-2/27/08</p> <p>Ensure that the stockpiled materials are adequately contained. Remove or attend to materials when feasible. 2/27/08</p>	<p>NA</p> <p>Needs attention when feasible</p> <p>NA</p>
Additional Observations	A wooden fence has been installed at the bridge	None. 2/27/08	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	structure over Stony Brook near sta. #218. 2/27/08		

Next likely scheduled inspection: Thursday, March 6, 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: Margaret Washburn, BSC Group

Reviewer: Diana Walden, BSC Group



On the east side of the Saugatuck River, excavated soil has been temporarily stockpiled on-site and contained with hay bales. Most of the soil has been transported off site.



The buried logs that were uncovered during excavation work for vault #15, near sta. #251 have been ground into mulch and stockpiled. A soil stockpile was also noted within the yard.



Vault #15 has been installed along Imperial Ave., near sta. #251.



Sediment tracking continues to be noted along the access road to the Sherwood Island yard.