

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: July 25, 2008

Inspector: Lennox Keen

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

Rain Event: 2.12" of precipitation was reported since the previous inspection, with the largest event of 1.19" recorded on 7/24 (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. 7/25/08 | None. See erosion control section for details on sediment tracking. 7/25/08 | NA (Not applicable) |
| | Various sections of Route 1 have been overlaid while other areas have been milled. Imperial Ave. is also being resurfaced in Westport (not directly related to the project). 7/25/08 | None 7/25/08 | NA |
| | Sediment tracking along the access road to the Sherwood Island yard was not an issue this week. Crushed stone remains along the shoulder of the access road. 7/25/08 | Continue to sweep the roadway and monitor and maintain controls as necessary. Continue to install crushed stone to stabilize exposed soils. 7/25/08 | Needs regular attention. |
| Vault Openings and Trench Construction Westport/Norwalk | New River Electrical was on site and working at vaults #14 & #15. Restoration work had occurred at vault #12. New sidewalk and curbing were installed. | None. 7/25/08 | NA |

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| | 7/25/08 | | |
| <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 for the duration of the project and clean basins as necessary. 7/25/08</p> <p>Temporary curbing remains along Westport Ave. near sta. #81 (vault #5) to minimize the potential for erosion. Area has been backfilled with processed material. 7/25/08</p> <p>Work appears completed near sta. #129-131 and the area remains temporarily stabilized with processed material and mulch. 7/25/08</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). 7/25/08</p> <p>Stone curbing has been set near sta. #234. Soil had previously been stockpiled near the recently set curbing. This area has been scheduled for paving for some time now (since 3/20). 7/25/08</p> <p>Sediment tracking and heavy rutting was</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. 7/25/08</p> <p>Continue to stabilize exposed soils. Continue to monitor and sweep the roadway as necessary. 7/25/08</p> <p>Stabilize exposed soil. Sweep area if necessary and continue to monitor for stabilization. 7/25/08</p> <p>Continue to monitor and maintain controls as necessary. Ensure that all material remains contained. See Inland Wetlands section for more details. 1/24-7/25/08</p> <p>Monitor areas of exposed processed material. Pave area as soon as feasible to permanently restore area (since 3/20). 7/25/08</p> <p>Remove the accumulated</p> | <p>Needs regular attention.</p> <p>Needs attention.</p> <p>NA</p> <p>Continue to monitor.</p> <p>Needs evaluation for final surface treatment.</p> <p>Needs attention.</p> |

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| <p>Kings Highway Lay-down Yard (Fairfield) (Currently being used for Segment 4a and 4b operations.)</p> | <p>observed in the island near sta. #316-318 (since 11/21) as a result of access by electrical contractors. Active work has been complete for several months (since 2/21) and stabilization is needed. Currently, the paving contractor has begun parking equipment in this area. 7/25/08</p> <p>Bituminous curbing along the north side of the median near sta. #316-318 is broken and/or missing in some areas. 1/24-7/25/08</p> <p>Perimeter controls remain in place. Crushed stone has been spread in several areas throughout the yard to reduce tracking. Calcium chloride has also been applied and a water truck was onsite. Dust issues were not observed at the time of the inspection. Minor sediment tracking was observed. 7/25/08</p> <p>Washout water from cleaning of the frac tanks was dumped into the material stockpile to bind together prior to disposal. A soil berm remains in place provide containment. 7/25/08</p> | <p>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- 7/25/08 Coordinate between contractors as needed. 7/25/08</p> <p>Replace bituminous curbing if work is complete in this area. 1/24-7/25/08</p> <p>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. 7/25/08</p> <p>Continue to monitor the containment area and reinforce the soil berm as necessary. Continue to ensure adequate capacity. 7/25/08</p> | <p>Contractors are currently working out responsibility for this area.</p> <p>Needs attention when work is complete in the area</p> <p>Calcium chloride has been applied to control dust. 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</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</p> | <p>Needs regular attention.</p> |

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
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| | <p>was dumped into the material stockpile to bind together prior to disposal. Debris material stockpiles continue to increase in size. 7/25/08</p> | <p>complete. 7/25/08</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. 7/25/08</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). 7/25/08</p> | <p>See Erosion and Sediment Controls section. 7/25/08</p> <p>Continue restoration/stabilization efforts and monitor until vegetation 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. 7/25/08</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. 7/25/08</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. 7/25/08</p> | <p>See the Erosion and Sediment Controls section for more detail 7/25/08</p> <p>See Erosion and Sediment Controls section for more information. 7/25/08</p> | <p>NA</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. 7/25/08</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. 7/25/08</p> | <p>Continue to monitor areas.</p> |

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| | <p>Vehicles continue to park on the previously seeded areas/exposed soils near sta. #334 (vault #20). The soil is well compacted. 7/25/08</p> <p>Vault tie-in work near sta. #234 is completed and the area is backfilled and is expected to be paved within the next few weeks (since 3/20) Vehicles had driven through the unpaved area and materials were eroding (since 6/20). Soil has been stockpiled in multiple locations near the curbed islands. 6/27-7/25/08</p> <p>The area surrounding vault #12 is being restored. Sidewalk and curbing were installed and topsoil was spread. 7/25/08</p> | <p>Continue to monitor the area. Work out the parking situation with the landowner. Install bituminous curbing. 11/21/07-7/25/08</p> <p>Monitor areas of exposed processed material. Pave area as soon as feasible to permanently restore area. 3/20-7/25/08 See Erosion and Sediment Controls section for more details. 7/25/08 If stockpiles are to remain longer than the work day, controls should be installed. 7/2-7/25/08</p> <p>Stabilize exposed soil as soon as feasible so that it does not run-off to the parking lot. 7/25/08</p> | <p>Contractor is currently working with the landowner to resolve the parking situation.</p> <p>Needs attention.</p> <p>Stabilize soils.</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. 7/25/08</p> | <p>None. 7/25/08</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. 7/25/08</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. 7/25/08</p> | <p>Restore as required by the D & M plan when feasible. Establish vegetative cover and plantings as soon as feasible. 7/25/08</p> <p>Areas can be considered stable once it has reached 75% cover. See Soils section. Work on solutions with the landowner. 7/25/08</p> | <p>Area was being restored.</p> <p>Needs attention when feasible.</p> |

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| | Two trees have previously been removed near sta #145 per the D&M plan. 7/25/08 | Cleared trees have been removed in accordance with the D&M plan. Restore as required by the D&M plan when feasible. 7/25/08 | NA |
| Dewatering | Dewatering was not observed during this week's inspection. 7/25/08 | Continue to ensure that material is contained appropriately and treated according to the ground-water handling plan as referenced in the D&M. 7/25/08 | NA |
| Spills and Material Storage | Spill cleanup materials/kits were observed in the storage yard. 7/25/08 A light post and associated concrete footings remain at sta #148. 10/4/07-7/25/08 | Ensure that spill kits are also present with each vehicle during active construction. 7/25/08 Remove or attend to materials when feasible. 10/4/07-7/25/08 | NA Needs attention when feasible. |
| Additional Observations | Contractor appears to have contracted use of the Sherwood Island yard for other projects in the area. | An agreement will have to be worked out regarding the level of restoration the project is responsible for. | Needs future discussion at the end of the project. |

Next likely scheduled inspection: Friday August 01, 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



The area near vault #12 has been partially restored. New sidewalk and curbing has been placed and topsoil has been spread in the median area. Establish vegetation as soon as feasible.



Restoration efforts continue near vault #12. Stabilize exposed soils as soon as feasible or it will likely run-off to the parking lot.