

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.

Beseck Switching Station Inspection

Date: July 24, 2007

Inspector: Matthew Creighton

Location: Beseck Switching Station

Rainfall: 2.24" of precipitation was recorded in the week prior to inspection, with 1.32" of the total on 7/19 (NOAA data at Meriden, CT).

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
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| Access roads and adjacent roadways | Turbid run-off was observed leaving the site egress to the east during this week's inspection. Haybales and additional stone are in place. A concrete block is also here to prevent trucks from driving over the haybales. However, turbid run-off was noted leaving site again. 7/24/07 | Continue to monitor and evaluate during larger storm events. Continue to monitor controls in an attempt to contain and filter the run-off until the site is fully stabilized. Stone should be refreshed as needed 7/24/07 | Some stone was added but turbid run-off needs attention again. |
| | Clean stone and check dams remain along the western site entrance. The line of haybales at the entrance were partially removed. 7/24/07 | See erosion control section for more details and recommendations. 7/24/07 | Needs regular attention |
| | The stone access east of Beseck remains in place to reduce tracking to the main pad. 7/24/07 | Continue to maintain and work out schedule with 1A contractors to share responsibility. 7/24/07 | Not Applicable (NA) |
| | The sediment trap at the culvert under the ROW access road was filled with turbid water and accumulated sediment. Haybales were in place in the drainage ditch to slow | Continue to monitor the area to determine if the new controls will handle larger rain events effectively. 7/24/07 | Continue to monitor |

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| <p>Access roads and adjacent roadways (continued)</p> | <p>and filter stormwater as it flows into the basin. 7/24/07</p> <p>Gutters along Carpenter Lane should be cleaned as sediment has accumulated due to recent heavy rains. CB liners should also be maintained/ replaced. 7/24/07</p> <p>The CB within the entrance drive cannot be sealed yet so a drainage ditch remains in place prevent turbid water from flowing into the storm-water system. 7/24/07</p> | <p>Clean/sweep roadway regularly, including the gutters by hand if necessary. 7/24/07</p> <p>CB will be sealed during final grading. Continue to monitor existing controls. 7/24/07</p> | <p>Needs regular attention</p> <p>NA</p> |
| <p>Foundation and site construction</p> | <p>Minor grading continues as needed. The majority of the site is at finished grade. Stone has been placed in areas where foundations were complete. 7/24/07</p> <p>Excavations for foundation work continue within the site, resulting in small soil stockpiles. Most areas have been covered in stone. Contractors are regrading soils, and working on steel structures. 7/24/07</p> <p>Foundations have been installed adjacent to the perimeter of the station for bypass structures as part of the 1A activities. 7/24/07</p> <p>The old paved driveway, located west of the site, has been broken up and removed. 7/24/07</p> | <p>Erosion controls may need to be adjusted as grading changes, especially at catch basins on site. 7/24/07</p> <p>Continue to monitor and control soil stockpiles at new excavations as needed. 7/24/07</p> <p>See erosion control section for more detail. 7/24/07</p> <p>See erosion control section. 7/24/07</p> | <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> |
| <p>Erosion and sediment</p> | <p>Filter fabric and numerous haybales</p> | <p>Continue to monitor and replace haybales as</p> | <p>NA</p> |

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| <p>controls</p> | <p>remain in place over and around the drain inlets in the permanent detention basins. Haybales within the detention basins are deteriorating. 7/24/07</p> <p>Grass cover appears to be at 75% along the slopes and floors of the basins. Cover was also noted along the slopes at the eastern site egress. 7/24/07</p> <p>Haybales remain at the storm water outlet pipe at the wetland across Carpenter Lane. Standing water within the outlet is turbid, water flowing into the wetlands is mostly clear. Sediment buildup noted within the wetlands from previous storms. In general, sediment from the site is very fine and difficult to filter but efforts continue to be made onsite to reduce turbid run-off. 7/24/07</p> <p>The old paved driveway, located west of the site, is being broken up and removed. Area will be graded and seeded and controls will be added on grading is complete. 7/24/07</p> <p>A few stockpiles were generated along the slope as a result of the bypass structure foundations. 7/24/07</p> | <p>needed within the detention basins. Surrounding areas were stable. 7/24/07</p> <p>Continue to monitor the site for vegetative cover, until fully stabilized. The basin appears to be stable. 7/24/07</p> <p>Continue to monitor and replace haybales as needed at the storm drain outlet. Stormwater should continue to be contained and filtered before leaving the site to the extent possible. Continue addressing stormwater issues at the source. Good efforts were made on site to reduce run-off. Stone check dams along Carpenter Ln. should be considered to help reduce turbid run-off from entering the CBs. 7/24/07</p> <p>Add controls, hay mulch and seed, once area is graded. Monitor until area is stable. 7/24/07</p> <p>Ensure that stockpiles are contained, especially along the slope. 7/24/07</p> | <p>The detention basin appears to have the appropriate amount of cover.</p> <p>Water at the storm drain outlet is turbid. Water within the wetland is mostly clear.</p> <p>NA at this time</p> <p>NA at this time</p> |
| <p>Inland Wetland and Watercourse encroachment and mitigation</p> | <p>Turbid water was noted within the outlet and wetlands across Carpenter Lane. Haybales still don't appear capable</p> | <p>Several areas in the wetland have sediment accumulation. Sediment should be removed from the outlet</p> | <p>Continue to evaluate and add controls as needed.</p> |

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| | <p>of containing all sediment during peak flows. 7/24/07</p> | <p>and adjacent areas when water levels recede 12/26/06- 7/24/07. It will be evaluated whether the accumulation justifies the minor disturbance required to remove it. 1/23-7/24/07</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.</p> <p>Several different species of frogs, turtles, and salamanders have been noted in wetlands south of Carpenter Ln. and east of Beseck this spring and last year. 7/24/07</p> | <p>None. 7/24/07</p> <p>Although these species were not state-listed, it indicates good habitat. Continue to make good efforts to reduce impacts to these wetlands to the extent possible. 7/24/07</p> | <p>NA</p> <p>NA</p> |
| <p>Vegetative clearing or stabilization</p> | <p>Some of the hydroseeded and landscaped areas around site are at the 75% vegetative cover mark. Erosion control mats remain in place on steep slopes. Increased grass growth continues around site and shrubs are in place on slopes. 7/24/07</p> <p>Stone cover continues to be added in areas where foundations are completed. 7/24/07</p> | <p>Monitor site closely, especially during heavy rains and continue to make good efforts to stabilize. Continue to monitor the area for vegetative cover, until fully stabilized. 7/24/07</p> <p>Continue to stabilize the site. Good efforts are noted. 7/24/07</p> | <p>Grass cover is almost fully established in hydroseeded areas. Some areas are considered stable.</p> <p>Stone added to completed areas.</p> |
| <p>Dewatering (As of 1/12/07 contractors stated: the detention ponds will be monitored during rain events and spring thaw to ensure that neither pond reaches capacity. Water will be pumped to the larger pond and then to the frac tank if any component of the system is reaching capacity.)</p> | <p>One frac tank is onsite used to dewater foundation pits and detention basins as needed. 7/24/07</p> <p>When dewatering is required turbid water is pumped into the frac tank on site in order to settle. Clean water is released to the controlled CBs within the detention basins onsite. 7/24/07</p> | <p>When dewatering is required, pumping must be monitored to avoid, overwhelming controls, or increasing sediment in the basins. Clean water from the frac tank can be pumped directly into the controlled CBs in the detention basins as long as water is released slowly. This will prevent overwhelming controls and forcing sediment, from the stormwater system into the wetlands at the outlet. 7/24/07</p> | <p>Continue to evaluate controls for effectiveness. The activities were well-controlled at this time.</p> |

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| | Muddy River, located a down-gradient from the wetland across Carpenter Lane, is also being monitored. At this time no turbidity from the site appears to have reached Muddy River. 7/24/07 | Continue to monitor and evaluate Muddy River during rain events and dewatering activities. Reinforce and improve controls on site as needed. 7/24/07 | NA |
| Blasting | All blasting was complete as of 9/7/06. | None. 7/24/07 | NA |
| Spills, soils and material storage | All remaining soil on site will be used as fill in construction activities. 7/24/07 | Soils appear to be handled appropriately. 7/24/07 | NA |
| | The few small drips noted in the stone near the eastern site fence last week were not observed. 7/24/07 | Check equipment regularly for leaks and repair when needed. 7/24/07 | Needs regular attention |
| | Spill cleanup materials were available on site and are being used and restocked as needed. 7/24/07 | Always use spill control materials when working on equipment and during refueling. Basic house keeping should continue to be performed around the site regularly to keep trash from blowing off-site. 7/24/07 | NA |
| Additional Observations | None 7/24/07 | | |

Next likely scheduled inspection: Tuesday July 31, 2007

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: Matthew Creighton, BSC Group

Reviewer: Diana Walden, BSC Group



Sediment accumulation was noted in the gutters along Carpenter Lane as a result of heavy rains. Remove sediment from roadway on a regular basis.



View of the eastern site exit at Carpenter Lane. Haybales, a concrete block, and additional stone were in place at the corner of the drive, in an effort to contain run-off.



New grass growth noted among the recently landscaped plants along the outer slopes of the site.



Haybales and controls remain in place at the inlet of the detention basin. Grass cover continues to establish well in hydroseeded areas. The basin appears to have 75% vegetative cover and is stable.



The haybales line was moved from across the site entrance at Carpenter Lane. Restore when feasible.



Pavement being removed from original driveway entrance. Add controls upon completion of grading. Stabilize exposed soil when feasible.



Mostly clear water noted within the wetlands across Carpenter Lane.



Turbid water was observed within the culvert. Clear water was observed entering the wetlands. The haybales help to filter out the sediment. Evaluate whether the amount of sediment accumulation justifies the disturbance needed to remove it, once the water subsides.