

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 27, 2006

Inspector: Matthew Creighton

Location: Beseck Switching Station

Rainfall: Total of 0.54 inches of rain over 7/20-7/26 (with 0.48" on 7/22), at Meriden CT (NOAA)

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
|---|--|---|--|
| Access Roads and Adjacent Roadways | All truck traffic is using stone entrance on east side. It is fairly clean and additional stone has been placed at entrance. 7/27/06 | Continue to check stone construction entrance and clean/refresh stone as needed. Keep Carpenter Lane clear of stone. 7/27/06 | The new layer of stone was pulled back from Carpenter Lane to reduce trucks pushing stones off the pad and onto the roadway. |
| | A town street sweeping truck has been cleaning roads in front of and around the site, however it has left lines of sediment along the edge (gutter) of Carpenter Lane and should continue to be removed. 7/27/06 | Street sweeping should be continue to be performed and soil should be removed from the gutter when feasible and by hand if necessary. 7/27/06 | Sediment from the gutter was removed by hand following last week's inspection but some sediment remains after recent sweeping. |
| | Haybales remain at the edge of the entrance pad to filter water leaving the site, and small stones were placed at the corners of the catch basins (CBs) to hold the filter fabric in place. 7/27/06 | Continue to monitor the stormwater leaving the site and replace erosion controls as needed. 7/27/06 | Haybales are left in place across the stone entrance prior to any rain event. |
| | Silt barrier liners in CBs have been replaced. 7/27/06 | Continue to monitor and maintain liners as needed. 7/27/06 | Silt liners are being replaced after storm events. |
| Foundation and site construction | Grading onsite continues; blasting and excavation in northern portion, filling in southern portion. | Erosion controls may need to be adjusted as grading changes. 7/27/06 | NA |

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
|---|--|--|---|
| | <p>7/27/06</p> <p>Block retaining walls are under construction along south side of site: first section is complete; second section is almost complete. 7/27/06</p> <p>New storm drain system is being installed as the site grading is raised. Contractor has created a basin near inlet pipe to allow water to stand and evaporate. 7/27/06</p> | <p>Grade and seed the south side of the site along Carpenter Lane now that the construction of the first retaining wall section is complete. 7/27/06</p> <p>Contractor continues to make efforts to minimize stormwater impacts; see erosion control section for recommended actions. 7/27/06</p> | <p>NA</p> <p>N/A</p> |
| <p>Erosion and Sediment Controls</p> | <p>Silt fence is secure and well-maintained. East side reinforced with bark mulch. 7/27/06</p> <p>A settling area was constructed north of pipes. New CB onsite is also raised, surrounded by stone, and covered with filter fabric. 7/27/06</p> <p>The temporary settling area, created to hold accumulating water remains in the southwest portion of site. 7/27/06</p> <p>Three layers of haybales were intact across the old Zolnik driveway. Stone berms were in place along the driveway for added filtration. 7/6-7/27/06</p> <p>Stormwater controls should change in response to grading changes; stabilize areas expected to remain unworked for more than 14 days; ie. along Carpenter Lane now that first section of wall is finished. 7/27/06</p> | <p>Continue to inspect and maintain silt fence throughout site and fix as needed. 7/27/06</p> <p>Stormwater is being retained onsite and left to evaporate/infiltrate. When areas are at finished grade, seed for vegetative cover. 7/27/06.</p> <p>None, the area is drying and holds a minimal amount of water. 7/27/06</p> <p>Grass growth was noted on the recently seeded stockpiles. 7/27/06</p> <p>Additional stabilization of open areas with seed, mulch, or straw could be considered in order to help reduce sediment loads in run-off (as applicable). 7/13-7/27/06 A subtle swale remains along the retaining wall to direct stormwater 7/27/06</p> | <p>Bark mulch was added for additional control</p> <p>Settling basin was built north of drain inlet and additional controls were added at the road</p> <p>NA</p> <p>Grass growth has slowed due to lack of rain.</p> <p>Needs evaluation</p> |

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| Inland Wetland and Watercourse encroachment and mitigation | Wetlands on east side of site were clean and well protected. 7/27/06 | Continue to monitor. 7/27/06 | NA |
| | Wetlands south of site across Carpenter Lane contain accumulated sediment near drain outlet, with clean water flowing from the outlet. 7/27/06 | Continue to monitor outlet area. Accumulated sediment from the site should be removed carefully from the wetland by hand (shovels) at the next opportunity when conditions have dried. | Sediment will be removed as soon as standing water has dried. |
| | Sediment accumulation is also attributed to grout damage in the new drainage pipe, which has since been repaired. 7/13-7/27/06 A line of haybales remains at the outfall pipe to filter water as it enters the wetland. 7/27/06 | NA Monitor haybales and remove sediment as needed so new haybale line continues to work properly. 7/27/06 | NA NA |
| State species of concern, threatened and endangered species. | According to the D&M plan, state-listed species are not located in this work area. | None 7/20/06 | NA |
| Vegetative clearing or stabilization | All vegetative clearing was complete as of 6/8/06 | None 7/27/06 | NA |
| Dewatering | Dewatering is not being performed at this time. 7/27/06 | None | NA |
| Blasting | Blasting continues; blast areas are first covered by rubber containment mats. Blasting will continue for several weeks. 7/27/06 | Caution should continue to be taken that no blast material is allowed to leave the site. 7/27/06 | Rubber mats prevent material movement. |
| | Rock crushing is also occurring on site and materials are being used. 7/27/06 | None | NA |
| Spills, Soils and Material Storage | Soil is being removed from the site. Crushed rock is being used as backfill for the new retaining walls onsite. 7/27/06 | Soils appear to be handled appropriately. 7/27/06 | NA |

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|--|---|--|--|
| Spills, Soils and Material Storage cotinued | <p>Grass growth is present at the soil stockpiles along western driveway and in the southeastern area 7/27/06</p> <p>Grass growth was also noted on the compacted soil within the old Zolnik property. 7/27/06</p> <p>Large expanses of disturbed soil on site will continue to make sediment attenuation difficult at stormwater inlet areas. Any areas that will be unworked for several weeks should be stabilized. 7/27/06</p> <p>Spill cleanup materials were available on site and are being restocked as needed. 7/27/06</p> | <p>Stockpiles should continue to be located away from the roadway and storm drain. Place seed for temporary stabilization of any stockpiles that will remain unmoved for more than 14 days. 7/27/06</p> <p>Consider placing seed as a temporary stabilization measure to reduce sediment loads where work is not actively occurring or not expected to occur for 14 days. 7/27/06</p> <p>Always use spill control materials when working on equipment and during refueling. 7/27/06</p> | <p>Grass growth was noted.</p> <p>Needs evaluation for feasibility.</p> <p>NA</p> |
| Additional Observations | NA | NA | NA |

Next likely scheduled inspection: Thursday August 3, 2006

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

Reviewer: Diana Walden, Stephen Herzog



Crushed stone construction entrance pad is clean; loose stone continues to be pulled back off Carpenter Lane and the road should continue to be cleaned/swept, including the gutters by hand if necessary.



Grading and seeding remain to be done between Carpenter Lane and 1st retaining wall.



New site entrance to be constructed in this location with existing catch basin.



Detention pond/settling area holding pooled run-off.



Stockpile and graded areas at old Zolnik property with grass growth.



The temporary settling area in the southwest corner of the site remains in place but is holds little water at this time.



Haybales remain staked in place for additional filtration at the storm drain outlet. Water from the outlet was clear.



Flow from the culvert is being filtered by haybales prior to entering the wetland. Sediment accumulation from the previous rain events will be removed when standing water in wetland has dried.