

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 2b Inspection

Date: September 6, 2007

Inspector: Matt Kelly

Location: Segment 2b – Cheshire/Hamden Town Line to East Devon Substation

Rainfall: 0.00” of precipitation was recorded in the week since the last inspection. (NOAA data at New Haven, CT)

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
|--|---|--|--|
| Access roads and adjacent roadways Milford, CT, Orange CT, Woodbridge CT, Bethany CT, and Hamden CT All access roads | Clearing and access road construction appear to be complete in these sections at this time. 9/6/07 | Continue to monitor active work areas and add controls as necessary. See EC section. 9/6/07 | Not Applicable (NA) |
| | Stone pads remain in place at all entrances to access roads. 9/6/07 | Continue to monitor for sediment tracking in active areas. Sweep roadways as necessary. 9/6/07 | Active areas need regular attention |
| | Mats remain at the wetland crossings in these sections. 9/6/07 | Continue to monitor. 9/6/07 | NA |
| | “Silt saks” (or similar) remain intact within catch basins located in the vicinity of the constructed access roads. Curb drop inlet protection (including “Gutter Buddies” and filter fabric pulled over the curb inlet) were provided at those catch basins located immediately adjacent to the constructed access roads. 9/6/07 | Continue to monitor and evaluate methods to protect the curb drop inlet and prevent sedimentation as needed. See Erosion Control Section for more detail. 9/6/07 | CB controls are in place. Gutter buddies were added for inlet protection in some locations |

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|--|---|--|---|
| Old Ln (Hamden, CT) | “Gutter Buddies” have been removed from the CBs located adjacent to the access road here. 9/6/07 | Replace and maintain curb drop inlet protection in this area. 9/6/07 | Needs proactive attention |
| <p>Foundation and site construction</p> <p>Milford, CT</p> <p>Orange, CT</p> <p>Woodbridge, CT</p> <p>Pease Rd, Oak Lane CC, Brookwood Dr, Salem Rd, Ansonia Rd, Manville Rd, Rimmon Rd, Center Rd, Clark St, Woodbine Rd, Cowpath Lane Morris Rd (east) Morris to Dillon (Glen Dam), B’Nai Jacob and Clearview Ln to Rte 15</p> <p>JCC</p> <p>Bethany, CT</p> <p>Morris (Woodbridge) to Hatfield, Hatfield to Raccio, and Hoadley Rd.</p> <p>Downs Road to West Todd (Hamden)</p> | <p>Foundation work continues within the ROW off Naugatuck Ave and Caswell St. Structure installation continues. No active work this week 9/6/07</p> <p>Foundation and structure installation work appears to be complete in all sections at this time. 9/6/07</p> <p>Foundation work and structure installation appears to be complete in these sections at this time. 9/6/07</p> <p>Structure installation continues in this section. 9/6/07</p> <p>Foundation work and structure installation appears to be complete at this time. 9/6/07</p> <p>Structure installation continues in this section. 9/6/07</p> | <p>Continue to monitor active work areas. See EC Section. 9/6/07</p> <p>Continue to monitor active work areas. See EC Section. 9/6/07</p> <p>Continue to monitor active work areas. See EC Section. 9/6/07</p> <p>Continue to monitor. See Dewatering and EC Sections. 9/6/07</p> <p>Continue to monitor. See Dewatering and EC Sections. 9/6/07</p> <p>Continue to monitor. See EC Sections. 9/6/07</p> | <p>NA at this time</p> <p>NA at this time</p> <p>NA at this time</p> <p>NA at this time</p> <p>NA</p> <p>NA</p> |

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
|--|--|--|---|
| <p>Hamden, CT</p> <p>Tom Swamp/Arrow Road West Todd Street, Old Lane Rd, Brooksvale Ave. and Route 10</p> <p>Willow St. (North)</p> | <p>Foundation work appears to be complete in these sections at this time. 9/6/07</p> <p>Foundation work continues in this section this week. 9/6/07</p> | <p>Continue to monitor. See Dewatering and EC Sections. 9/6/07</p> <p>Continue to monitor. See Dewatering and EC Sections. 9/6/07</p> | <p>NA</p> <p>NA</p> |
| <p>Erosion and sediment controls</p> <p>All work areas</p> <p>Orange, CT</p> <p>Racebrook Rd.</p> <p>Hall Drive</p> <p>Woodbridge, CT</p> <p>Clearview Lane to Rt 15</p> <p>Glen Dam Reservoir</p> | <p>Roots have been retained in most cleared areas to maintain some soil stability. Crews have made good efforts to temporarily stabilize most disturbed areas with hay mulch. When work occurs in or adjacent to wetlands, timber mat crane pads are in place with erosion controls along the edge. 9/6/07</p> <p>Crane pad adjustments have been made at structure #3870 and proposed structure #24056. Exposed soils have been graded and mulched. 9/6/07</p> <p>Pad reclamation activities have begun in this section. Additional erosion controls are needed along the wetland boundary. 9/6/07</p> <p>The spoil pile remains on the stone crane pad in the wetland near structure #3899 and silt fence is need of repair at structure # 3903. 9/6/07</p> <p>Sediment has accumulated in the stone</p> | <p>None. Continue to temporarily stabilize disturbed soils as necessary. 9/6/07</p> <p>Continue to monitor and add controls as necessary. 9/6/07</p> <p>Continue to monitor. Additional erosion controls are recommended along the wetland boundary here. 9/6/07</p> <p>Silt fence should be repaired and maintained as necessary and spoils should be contained within silt fence and/or haybales or covered with plastic until removed from site 9/6/07</p> <p>Sediment should be removed from the stone</p> | <p>NA</p> <p>NA at this time</p> <p>Needs attention when feasible</p> <p>Needs proactive attention when feasible</p> <p>Needs proactive attention</p> |

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
|--|--|--|--|
| JCC | <p>sediment traps located along the access road here. Silt fence located along the access road is in need of repair. 9/6/07</p> <p>Exposed soils remain on the slope adjacent to structure #3950. 9/6/07</p> <p>Silt fence is in need of repair near structure #24119. Sediment was noted in the dry stream channel here. 9/6/07</p> <p>Uncontained spoil piles were noted upgradient from the wetland in this section. 9/6/07</p> | <p>traps in order to maintain proper function. Stormwater will not be filtered properly if traps become overwhelmed with sediment. Repair silt fence when feasible. 9/6/07</p> <p>Exposed soils should be seeded and mulched when feasible. 9/6/07</p> <p>Continue to monitor and repair and maintain as necessary. Evaluate sediment accumulation within the stream channel. Carefully remove sediment during the dry season if it is greater than 2” in depth. 9/6/07</p> <p>Spoil piles should be contained within silt fence and/or haybales or covered with plastic until removed from the site. 9/6/07</p> | <p>Needs proactive attention</p> <p>Needs attention</p> <p>Needs proactive attention</p> |
| <p>Hamden,CT</p> <p>Tom Swamp Rd/Arrow Rd</p> | <p>Temporary culverts are in place within the access roads here. Stone sediment traps and haybale check dams remain at the outlets. Sediment accumulation was removed from the stone trap at the 2nd culvert outlet off Tom Swamp (east) and piled on top of the stone sediment trap. 9/6/07</p> | <p>Continue to monitor and add/maintain controls as necessary and avoid piling sediment on top of the stone sediment trap. 9/6/07</p> | <p>Proper controls are in place but still needs proactive attention when feasible</p> |
| West Todd Street | <p>In approximately three areas, stormwater pooled along the perimeter controls and filtered through as concentrated</p> | <p>Monitor during large rain events and investigate additional solutions to prevent stormwater conveyances off site.</p> | <p>Good efforts were made but needs additional evaluation/monitoring</p> |

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|---------------------|---|---|---|
| Brooksvale Ave | <p>flow off the ROW (4/27/07). This only occurs during large rain events and wetland resource areas were not affected by this off site flow. 9/6/07</p> | <p>Although good efforts were made to control stormwater flow, continue to improve the on-site containment. 9/6/07</p> | |
| | <p>A gap remains in the haybale line at the culvert outlet off West Todd (east). Sediment within the stone trap has begun to stabilize with vegetation. Some sediment remains in the adjacent wetland from previous rain events. 9/6/07</p> | <p>Repair and reinforce controls. Carefully remove sediment from wetland if it is greater than 2" in depth. Although sediment within the stone trap has stabilized with vegetation it should be removed when feasible to maintain proper function. 9/6/07</p> | Needs attention |
| | <p>A length of culvert pipe remains in the wetland here. 9/6/07</p> | <p>The culvert pipe should be removed from the wetland area when feasible. 9/6/07</p> | Needs attention |
| | <p>Mulch has been spread in washout areas near structure #3989 in an effort to temporarily stabilize disturbed soils here. 9/6/07</p> | <p>Mulched areas should be seeded for further stabilization. Continue to monitor. Stone fill or similar may be needed to stabilize gullies/washouts. 9/6/07</p> | Needs proactive attention when feasible |
| | <p>Access roads were constructed on steep slopes located upgradient from wetland areas here. Haybales are in place but due to the nature of the terrain and location of the adjacent wetlands, additional controls may be necessary. 9/6/07</p> | <p>Haybales are in place but due to sloped terrain and proximity to the downgradient wetland, additional controls are recommended. 9/6/07</p> | Needs attention |
| Willow Street | <p>Silt fence is in need of repair at structure #4010 and additional controls are needed along Willow Brook at structure #4009. Spoils from foundation</p> | <p>Repair silt fence along wetland buffer at structure #4010. Remove excess soil from timber mats at structure #4009 and install additional</p> | Needs attention |

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|--|---|--|--|
| Old Lane Road | <p>work remain on some of the timber mats here. 9/6/07</p> <p>Washouts/gullies have been stabilized with stone and sediment has been removed from the stone-lined filtration basin. Additional controls, such as stone/haybale check dams, fiber rolls, and a water bar have been added to slow stormwater flow along the access road. Some sediment has been removed from the wetland here but more attention is needed. 9/6/07</p> | <p>erosion controls along Willow Brook. 9/6/07</p> <p>Continue to monitor and add controls as necessary. Continue to carefully remove sediment from the wetland. 9/6/07</p> | <p>Washouts/gullies have been stabilized with stone and sediment has been removed from the stone-lined filtration basin. Additional controls have been added to slow stormwater flow along the access road</p> <p>Some sediment has been removed from the wetland but more attention is needed</p> |
| <p>Inland Wetland and Watercourse encroachment and mitigation</p> <p>Milford, CT</p> <p>Rt 121 and Oronoque Rd</p> <p>West River Street and Eisenhower Park</p> <p>East Rutland Road (western access point)</p> | <p>The ACOE permit is in hand and approved wetland work continues. 9/6/07</p> <p>Timber mat crane pads remain adjacent to/in wetlands in these sections. 9/6/07</p> <p>A stone access road remains within the wetland accessed from West River Street. Timber mat crane pads remain within the wetland areas in these sections. 9/6/07</p> <p>A stone access road remains at the wetland crossing off East Rutland. An existing stone culvert was already in place here. 9/6/07</p> | <p>Follow general guidelines of the permit whenever work in wetlands occurs. 9/6/07</p> <p>Continue to monitor. Add controls as necessary. 9/6/07</p> <p>Continue to monitor and add controls as necessary. 9/6/07</p> <p>Continue to monitor. Install controls as necessary. 9/6/07</p> | <p>NA</p> <p>NA at this time</p> <p>NA at this time</p> <p>NA at this time</p> |

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
|---|--|--|--|
| Orange, CT Sunset Drive, Pine Tree Rd (east), Treat Lane, Lambert Rd, Russell Ave, Hunting hill Road, Racebrook Rd, and Route 34 | Timber mat crane pads/crossings remain at the wetland areas here. A stone wetland crossing is in place at Lambert Rd and Treat Lane. 9/6/07 | Continue to monitor. 9/6/07 | NA at this time. |
| Clearview Lane to Rt 15 | Stone access roads and timber mat crossings are in place in the wetland area here. 9/6/07 | Continue to monitor. 9/6/07 | Timber mat crossings are in place within the wetland |
| Woodbridge, CT Pease Road/JCC/B’Nai Jacob | Mats remain in the potential wetland area near Pease Road. 9/6/07 | Continue to monitor. The contractor states that this wetland was removed from the most recent version of the D&M plan, but flags were staked in the field. 9/6/07 | NA at this time |
| | The wetland areas near the JCC and B’Nai Jacob have been cleared as a result of the permitted relocation of the ROW. Stone access roads remain in portions of the wetlands in these sections. 9/6/07 | Continue to monitor. Adjust controls as necessary. 9/6/07 | NA at this time |
| | Sediment was noted in the stream channel near structure #24119 at the JCC. Uncontained spoil piles were also noted upgradient from the wetland in this section. 9/6/07 | Continue to monitor. Evaluate sediment accumulation within the stream channel. Carefully remove sediment during the dry season if it is greater than 2” in depth. See EC Section. 9/6/07 | Needs attention |
| Oak Lane CC, Cow Path Lane, Salem Rd, Rimmon Rd, Brookwood Dr, Center Rd, Ansonia Rd, Manville Rd and Clear Ln to Rte15 | Timber mat crane pads remain within the wetlands in these sections. 9/6/07 | Continue to monitor. 9/6/07 | NA at this time |
| Bethany, CT (Morris to Hatfield) | A stone access road and timber mats have been constructed/installed in the wetland areas in this | Continue to monitor. 9/6/07 | NA at this time |

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|--|---|--|---|
| <p>Hatfield (south)</p> <p>Hamden, CT</p> <p>West Todd St, Tom Swamp/Arrow Rd, Willow Street, Brooksvale Ave, and Old Lane Rd</p> <p>115-kV underground transmission line/Old Lane Road</p> | <p>the wetland areas in this section. 9/6/07</p> <p>Ruts from foundation work and a disassembled H-frame structure were observed in the wetland here. 9/6/07</p> <p>Temporary stone access roads and timber mats remain in some of the wetland areas in these sections. 9/6/07</p> <p>The overhead access road is stabilized. Turbid water was noted in the wetland during previous inspections. 9/6/07</p> | <p>Repair ruts and restore wetland area. Remove poles from wetland as soon as possible. 9/6/07</p> <p>Continue to monitor. 9/6/07.</p> <p>Monitor during next large rain event. Evaluate sediment accumulation within the adjacent wetland. Carefully remove sediment from the wetland if it is greater than 2" in depth. 9/6/07</p> | <p>Needs attention</p> <p>NA at this time</p> <p>Needs evaluation</p> |
| <p>State species of concern, threatened and endangered species.</p> | <p>According to the D&M plan, Wood Turtles are known to occur near the Wepawaug River at Eisenhower Park. No active work is occurring in this area at this time. 9/6/07</p> | <p>Since wood turtles are no longer dormant and active work is occurring here, field crews should receive the appropriate training in the recognition and removal of individual wood turtles from the construction area. 4/5-9/6/07</p> | <p>Contractors stated that field crews have received the appropriate training and sweeps have occurred and will occur during active work.</p> |
| <p>Vegetative clearing or stabilization</p> <p>All active roads (all towns)</p> | <p>Vegetative clearing was noted within the ROW. Most species were invasive and were removed. "Hedgerows", including cedars and similar short tree species were retained along the ROW where feasible. Select shrubs, especially those adjacent to wetlands, also remain in most areas. 9/6/07</p> | <p>Continue to retain appropriate vegetation for stabilization. Retain as much vegetation as possible for screening. Confirm that clearing/cutting is limited only to areas defined in D&M plan. Provide as much buffer as possible for homeowners. 9/6/07</p> | <p>NA</p> |

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
|---|---|--|---|
| Milford , CT | <p>Clearing appears to be complete in all sections at this time. Small trees and shrubs were retained where feasible. 9/6/07</p> <p>Crane pad reclamation and restoration work has begun in some sections. Disturbed soils are being graded and mulched for temporary stabilization. 9/6/07</p> | <p>None at this time. 9/6/07</p> <p>Continue to monitor for stabilization. 9/6/07</p> | <p>NA</p> <p>Disturbed soils are being graded and mulched for temporary stabilization</p> |
| <p>Orange, CT</p> <p>Orange Center Rd, Ridge Rd, and Hunting Hill Place</p> | <p>Clearing appears to be complete in all sections at this time. Wood chips near the cul-de-sac off Hunting Hill Place are currently piled in a “depression” in the ROW and other piles were noted off Ridge Road and Route 152. 1/11-9/6/07</p> <p>Crane pad reclamation and restoration work has begun in some sections. Disturbed soils are being graded and mulched for temporary stabilization. 9/6/07</p> | <p>Piles need to be either removed from the ROW or spread in appropriate upland areas to a depth of 3” or less. 1/11-9/6/07</p> <p>Continue to monitor for stabilization. 9/6/07</p> | <p>Needs attention when feasible.</p> <p>Disturbed soils are being graded and mulched for temporary stabilization</p> |
| Woodbridge, CT | <p>Clearing appears to be complete in all sections at this time. Small trees and shrubs were retained where feasible. 9/6/07</p> | <p>None at this time. 9/6/07</p> | <p>NA</p> |
| JCC | <p>Hydro-seed was applied to disturbed areas. Grass growth was noted in previous weeks. 9/6/07</p> | <p>Continue to monitor for stabilization. Re-seed if necessary. 9/6/07</p> | <p>NA at this time</p> |
| B’Nai Jacob | <p>Disturbed areas were seeded and mulched for temporary stabilization. Grass growth was noted in previous weeks. 9/6/07</p> | <p>Continue to monitor for stabilization. Re-seed if necessary. 9/6/07</p> | <p>NA at this time</p> |

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
|--|--|--|--|
| <p>Bethany, CT Morris to Hatfield, Downs Rd, Hoadley Rd, Hatfield to Raccio Dr</p> <p>Hamden, CT Tom Swamp Rd/Arrow Rd, West Todd Street, Brooksvale Ave, Willow Street and Old Lane Rd.</p> | <p>Clearing appears to be complete in these sections at this time. Small trees and shrubs were retained where feasible. 9/6/07</p> <p>Clearing appears to be complete in these sections at this time. Small trees and shrubs were retained where feasible. 9/6/07</p> <p>Brush from clearing activities was observed in the wetland near structure #3993 this week. 9/6/07</p> | <p>Continue to monitor. 9/6/07</p> <p>Continue to monitor. 9/6/07</p> <p>Carefully remove brush from the wetland area when feasible. 9/6/07</p> | <p>NA</p> <p>NA</p> <p>Needs attention when feasible</p> |
| <p>Dewatering</p> <p>Milford, CT Naugatuck Ave, Caswell St, and Plains Rd</p> <p>Orange, CT All Sections</p> <p>Woodbridge, CT Clearview Ln. to Rte. 15 B'Nai Jacob, and Morris to Dillon (Glen Dam Reservoir)</p> <p>JCC</p> <p>Bethany, CT All Sections</p> <p>Hamden, CT</p> | <p>Dewatering basins remain in place at new and propose drilling sites in these sections. Dewatering is complete at this time in all other sections. 9/6/07</p> <p>Dewatering activities appear to be complete in these sections at this time. 9/6/07</p> <p>Dewatering activities appear to be complete in these sections at this time 9/6/07</p> <p>Water trucks are used at the JCC when dewatering is necessary. 9/6/07</p> <p>Dewatering activities appear to be complete in these sections at this time 9/6/07</p> | <p>Continue to monitor active areas and adjust controls as necessary. 9/6/07</p> <p>None at this time. 9/6/07</p> <p>None at this time. 9/6/07</p> <p>Continue to monitor and adjust controls as necessary. 9/6/07</p> <p>Continue to monitor and adjust controls as necessary. 9/6/07</p> | <p>Dewatering containment areas were installed proactively.</p> <p>NA</p> <p>NA</p> <p>NA at this time</p> <p>NA</p> |

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
|-------------------------------------|--|--|------------------|
| Willow Street | Dewatering activities continue here. Water trucks are used in most locations. 9/6/07 | Continue to monitor and adjust controls as necessary. 9/6/07 | NA |
| Blasting | No blasting is proposed at this time. 9/6/07 | None 9/6/07 | NA |
| Spills, soils and material storage. | Contractor receiving yard is set up near Shelland St. in Milford. This also appears to be used for Segment 3 construction. 9/6/07 | In general, store materials and equipment appropriately. Ensure that vehicles are equipped with spill kits. All construction vehicles should be parked at least 100 feet from a wetland or waterbody when feasible. 9/6/07 | NA |
| Additional Observations | Non-project related activity was noted within the ROW off Sunset Dr. A trench was dug near the first structure and a pipe appears to have been installed to divert water from an unknown location. 1/18-9/6/07 | Noted for the record. 1/18-9/6/07 | NA |

Next likely scheduled inspection: Thursday September 13, 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: Matt Kelly, BSC Group

Reviewer: Lee Curtis, BSC Group



Racebrook Rd (Orange): Exposed soils from pad reclamation activities have been temporarily stabilized with mulch.



Hall Dr. (Orange): Pad reclamation activities continue. Additional erosion controls are recommended along the wetland boundary here.



Clearview Lane to Route 15 (Woodbridge): Silt fence is in need of repair at structure #3903.



Willow St. (Hamden): Structure #4011 has been installed.