## 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: January 10, 2008

**Inspector:** Matt Kelly

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

**Rainfall:** 0.03" of precipitation were recorded since the last inspection with 0.02" of the total

reported on 1/5. (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, | Clearing and access road construction appear to be complete in these sections at this time. 1/10/08  | Continue to monitor active work areas and add controls as necessary. See EC section. 1/10/08  | Not Applicable (NA)  |
| Bethany CT, and<br>Hamden CT   | Stone pads remain in place at all entrances to access roads. 1/10/08   | Continue to monitor for sediment tracking in active areas. Sweep roadways as necessary. 1/10/08   | Active areas need regular attention                            |
| All access roads   | Mats remain at the wetland crossings in these sections. 1/10/08  | Continue to monitor. 1/10/08  | 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) is provided at those catch basins located immediately adjacent to the constructed access roads. 1/10/08 | Continue to monitor and evaluate methods to protect the curb drop inlet and prevent sedimentation as needed. See Erosion Control Section for more detail. 1/10/08 | NA   |
| Milford, CT Caswell St/Bic Dr  | All access points<br>(overhead &<br>underground) have been   | Continue to monitor and sweep roadway as necessary. If sediment   | The remaining access points (overhead & underground) have been |

| Areas of Inspection  | Observation   | Recommended Action   | Corrected Action   |
|--|---|--|--|
|  | stabilized with stone pads,<br>but the adjacent catch<br>basin is still not protected.<br>12/14-1/10/08   | tracking continues, catch<br>basin protection should be<br>provided. 1/10/08 | stabilized with stone pads but further attention is needed |
| Foundation and site construction All sections                | H- frame structure and lattice tower removal continues in all sections. 1/10/08   | Continue to monitor. 1/10/08   | NA   |
|  | 115-kV foundation work appears to be complete at this time within the ROW. 1/10/08  | Continue to monitor. See EC Section. 1/10/08                                 | NA   |
| Milford, Orange,<br>Woodbridge,<br>Bethany, and<br>Hamden CT | Crane pads associated with the 115-kV work are being removed and transferred to the 345-kV portion of the line (pad reclamation) in all sections. 1/10/08 | Continue to monitor. See EC and Stabilization Sections. 1/10/08              | NA   |
| Milford, CT  | Foundation work and<br>structure installation<br>continues off Wheelers<br>Farm Rd, Eisenhower<br>Park, and West River St.<br>1/10/08                     | Continue to monitor active work areas. See EC Section. 1/10/08               | NA   |
| Orange, CT   | 345-kV foundation work continues off Treat Ln. Structure installation continues off Ridge Rd. 1/10/08   | Continue to monitor active work areas. See EC Section. 1/10/08               | NA   |
| Woodbridge, CT   | 345-kV foundation work<br>and structure installation<br>continues off the Pease<br>Rd/JCC and Rimmon<br>Rd/B'Nai Jacob sections at<br>this time. 1/10/08  | Continue to monitor active work areas. See EC Section. 1/10/08               | NA   |
| Hamden, CT   | Foundation work<br>continues between Downs<br>Road (Bethany) to Gaylord<br>Mtn. Rd. 1/10/08   | Continue to monitor active work areas. See EC Section. 1/10/08               | NA   |

| Areas of Inspection                 | Observation  | Recommended Action   | Corrected Action              |
|-------------------------------------|--|--|-------------------------------|
| Erosion and sediment controls       | 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. Timber mats and erosion controls are in place in and adjacent to wetland areas. 1/10/08 | None at this time. Continue to utilize the appropriate erosion control measures and stabilize disturbed soils as necessary. 1/10/08              | NA                            |
| Milford & Orange,<br>Woodbridge, CT | Pad reclamation is complete in most areas at this time. Exposed soils have been graded and mulched. 1/10/08  | Continue to monitor. Additional erosion controls are recommended in some areas during 345-kV foundation work. See Stabilization Section. 1/10/08 | NA                            |
|                                     | Spoil piles remain within the ROW off Caswell St, Plains Rd, Oronoque Rd and E. Rutland Rd in Milford. Piles appear to be contained on site. 1/10/08   | Remove spoil piles when feasible. 1/10/08  | Needs attention when feasible |
|                                     | Spoils are being removed from wetland areas and stored in upland areas within the ROW off Oronoque Rd and within Eisenhower Park. Proper controls are in place. 1/10/08  | Continue to monitor and adjust controls as necessary. 1/10/08  | NA                            |
| West River St                       | Silt fence is in need of repair at structures #24023 & #24025. 12/14-1/10/08   | Repair and maintain controls as necessary. 1/10/08   | Needs attention               |
|                                     | Excess sediment from foundation drilling was observed on wetland timbermats in this section. 1/4-1/10/08   | Remove excess sediment from mats and add controls as necessary. 1/10/08  | Needs attention               |
| Eisenhower Park                     | Excess sediment from foundation drilling was observed on wetland   | Remove sediment from timbermat pads and add/maintain controls as   | Needs attention               |

| Areas of Inspection               | Observation   | Recommended Action  | Corrected Action              |
|-----------------------------------|---|---|-------------------------------|
|                                   | observed on wetland timbermats in this section. 1/10/08   | add/maintain controls as necessary. 1/10/08   |                               |
|                                   | Erosion controls are needed along the perimeter of the timbermat crane pad at proposed structure #24026. 1/10/08  | Install the appropriate erosion controls along the perimeter of the timbermat pad. 1/10/08  | Needs attention               |
|                                   | Silt fence controls are at capacity and in need of repair at structure #24027. 1/4-1/10/08  | Repair/add controls as<br>necessary. Remove excess<br>sediment to restore<br>capacity/function of<br>controls. 1/10/08  | Needs attention               |
| North St                          | Excess sediment from foundation drilling was observed on wetland timbermats near structure #24030. 1/10/08  | Remove excess sediment from mats and add controls as necessary. 1/10/08   | Needs attention               |
| Woodbridge, CT Glen Dam Reservoir | Exposed soils remain on the slope adjacent to structure #3950. 8/24-1/10/08   | Continue to monitor and stabilize disturbed areas when work is complete and activity will not return within 21 days. Add/maintain controls as necessary. Ensure sufficient stabilization for winter months. 1/10/08 | Needs attention when feasible |
| Pease Rd                          | The waterbar located at the entrance of the access road is no longer functional. Stormwater has eroded the access road and sediment has migrated onto Pease Road. 12/20-1/10/08 | Replace/repair waterbar<br>and add catch basin<br>protection down gradient<br>of the ROW access, on<br>Pease road. 1/10/08  | Needs attention               |
| JCC                               | Sediment was noted in the dry stream channel near structure #24119 (8/7/07). Sediment accumulation does not appear to have increased. 1/10/08                                   | Continue to evaluate sediment accumulation within the stream channel. Carefully remove sediment during the dry season if it is greater than 2" in depth. 1/10/08  | Needs evaluation              |

| Areas of Inspection                            | Observation   | Recommended Action   | Corrected Action   |
|--|---|--|--|
|  | Spoil piles remain within the ROW near structure #3932. Piles appear to be contained on site. 1/10/08   | Remove spoil piles when feasible. 1/10/08  | Needs attention when feasible  |
|  | Exposed soils within the wetland buffer near the JCC parking lot (North) were temporarily stabilized with mulch. 1/10/08  | Continue to monitor and stabilize disturbed areas when work is complete. 1/10/08   | Exposed soils within the wetland buffer were temporarily stabilized with mulch |
| Hamden, CT  West Todd Street/ Gaylord Mountain | In approximately three areas, stormwater pooled along the perimeter controls and filtered through as concentrated 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. 1/10/08 | Monitor during large rain events and investigate additional solutions to prevent stormwater conveyances off site. Although good efforts were made to control stormwater flow, continue to improve on-site containment. 1/10/08 | Good efforts were made but needs additional evaluation/monitoring              |
|  | Additional controls are needed within the ROW access road to help control and filter stormwater runoff. 1/10/08   | Install additional controls as necessary to control and filter stormwater runoff. 1/10/08  | Needs attention  |
|  | Some sediment remains in the wetland area located to the southwest of structure #3992. 12/20-1/10/08  | Evaluate sediment accumulation within the wetland. Carefully remove sediment from wetland if it is greater than 2" in depth. 1/10/08   | Needs evaluation   |
| Brooksvale Ave                                 | Excess sediment has accumulated on the timber mat crossing within the access road here. Sediment has seeped through the mats and into wetland #100. 11/16-1/10/08   | Continue to monitor. Controls should be installed to prevent further sedimentation to the wetlands. See Wetlands Section. 1/10/08  | Needs<br>attention/evaluation  |
| Willow Street                                  | Spoils from foundation/<br>grounding work remain  | Continue to monitor and stabilize disturbed soils.   | Needs attention when feasible  |

| Areas of Inspection   | Observation  | Recommended Action   | Corrected Action  |
|---|--|--|---|
|   | on some of the timber mats at structure #4009. 9/21-1/10/08  | Remove spoils from timber mats. 1/10/08  |   |
| Inland Wetland and<br>Watercourse<br>encroachment and<br>mitigation | The ACOE permit is in hand and approved wetland work continues. 1/10/08  | Follow general guidelines of the permit whenever work in wetlands occurs. 1/10/08  | NA  |
| Milford, CT   | Timber mat crane pads  | Continue to monitor and  | NA at this time   |
| Naugatuck Ave, Rt<br>121 and Oronoque Rd                            | remain adjacent to/in<br>wetlands in these sections.<br>1/10/08  | add controls as necessary. 1/10/08   |   |
| West River Street,<br>Eisenhower Park, and<br>North St              | 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. 1/10/08 | Continue to monitor and add controls as necessary. 1/10/08   | NA at this time   |
|   | Excess sediment from foundation drilling was observed on wetland timbermats in the ROW off West River St, North St., and within Eisenhower Park. 1/10/08         | Remove sediment from wetland area. See EC Section. 1/10/08   | Needs attention   |
|   | Equipment ruts were observed in the wetland near structure #24023. 112/14-1/10/08  | Fill and stabilize ruts with appropriate material. 1/10/08   | Needs attention   |
|   | Sand, used for foundation installation, has been removed from wetland areas near structures #24025 and #24023. 1/10/08   | In general, sand should<br>not be piled/stored in<br>wetlands and should be<br>contained in bins or placed<br>on a plastic liner in an<br>upland area. 1/10/08 | Sand, used for foundation installation, has been removed from wetland areas |
|   | A disassembled lattice tower was observed in the wetland near proposed structure #24023. 1/10/08   | Remove the structure from the wetland. 1/10/08   | Needs attention   |
| East Rutland Road<br>(western access point)                         | A stone access road remains at the wetland crossing off East Rutland. An existing stone culvert  | Continue to monitor. Install controls as necessary. 1/10/08  | NA at this time   |

| 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 | An existing stone culvert was already in place here. 1/10/08  Timber mat crane pads/crossings remain at the wetland areas here. Stone wetland crossings are in place at Lambert Rd and Treat Lane. 1/10/08 | Continue to monitor. 1/10/08   | NA at this time. |
| Clearview Lane to Rt 15   | Stone access roads and timber mat crossings remain in the wetland areas here. 1/10/08  | Continue to monitor. 1/10/08   | NA at this time  |
| Woodbridge, CT Pease Road   | Mats remain in the potential wetland area here. 1/10/08  | 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. 1/10/08 | NA at this time  |
|   | Tire ruts were noted in a wetland area within the abandoned ROW here. 11/16-1/10/08  | Fill and stabilize ruts with appropriate material. In general timber mats (or similar) should be used when it becomes necessary to access a wetland. 1/10/08       | Needs attention  |
| JCC/B'Nai Jacob   | 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. 1/10/08      | Continue to monitor.<br>Adjust controls as<br>necessary. 1/10/08   | NA at this time  |
|   | Sediment was noted in the stream channel near structure #24119 at the JCC (8/7/07). No further accumulation has been observed. 1/10/08   | 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.  | Needs evaluation |

| Areas of Inspection  | Observation   | Recommended Action   | Corrected Action               |
|--|---|--|--------------------------------|
| Rimmon Rd  |   | See EC Section. 1/10/08  |                                |
| Oak Lane CC, Cow   | A timbermat crane pad (installed 12/7/07)remains adjacent to/within a tributary stream of Race Brook near structure #24105. 1/10/08   | Continue to monitor. 1/10/08   | NA                             |
| Path Lane, Salem Rd,<br>Rimmon Rd,<br>Brookwood Dr, Center<br>Rd, Ansonia Rd,<br>Manville Rd and Clear<br>Ln to Rte 15 | Timber mat crane pads remain within the wetlands in these sections. 1/10/08   | Continue to monitor. 1/10/08   | NA at this time                |
| Bethany, CT  | A stone access road and   | Continue to monitor.   | NA                             |
| Morris to Hatfield   | timber mats are in place in<br>the wetland areas in this<br>section. 1/10/08  | 1/10/08  |                                |
| Litchfield Turnpike  Hamden,CT   | Excess sediment has accumulated on the timber mat crossings within the access road here. Sediment has seeped through the mats and into wetlands #119 (near structure #3961), #116 (between structures #3964 and #3965), #115 (between structures #3965 and #3966) and #114 (between structure #3966 and #3967). 1/10/08 | Carefully remove sediment from wetland areas when timber mats are removed. See EC Section. 1/10/08 | Needs evaluation/<br>attention |
| West Todd St, Tom<br>Swamp/Arrow Rd,<br>Willow Street,<br>Brooksvale Ave, and<br>Old Lane Rd                           | Temporary stone access roads and timber mats remain in some of the wetland areas in these sections. 1/10/08   | Continue to monitor. 1/10/08   | NA at this time                |
| Brooksvale Ave   | Excess sediment has accumulated on the timber mat crossing within the access road here. Sediment has seeped through the mats and into wetland #100.   | Carefully remove sediment from wetland areas when timber mats are removed. See EC Section. 1/10/08 | Needs evaluation/<br>attention |

| Areas of Inspection   | Observation   | Recommended Action   | Corrected Action               |
|---|---|--|--------------------------------|
| Old Lane Road   | 11/16-1/10/08   |  |                                |
| 115-kV underground  | Sediment remains in wetland #94. 10/5-1/10/08   | Continue to monitor and add/maintain controls as necessary. Carefully remove sediment from the wetland if it is greater than 2" in depth. See EC Section. 1/10/08  | Needs evaluation/<br>attention |
| transmission line Old Lane Road                                   | Sediment accumulation was evaluated in a portion of the wetland here. Less than 2" of sediment was observed at the catch basin outlet in the wetland across from the overhead access road. (115-kV underground). 1/10/08  | Continue to evaluate sediment accumulation within the adjacent wetland. Carefully remove sediment from the wetland if it is greater than 2' in depth. 1/10/08  | Needs further evaluation       |
| State species of concern, threatened and endangered species.      | According to the D&M plan, Wood Turtles are known to occur near the Wepawaug River at Eisenhower Park. 1/10/08  | Wood turtles are dormant from November 1st to April 1st and therefore will not be disturbed when construction occurs during these months. If active work continues/resumes in this area after April 1st, field crews should receive the appropriate training in the recognition and removal of individual wood turtles from the construction area. "Sweeps should be performed prior to the commencement of construction activities. 1/10/08 | NA at this time                |
| Vegetative clearing or stabilization All active roads (all towns) | 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 | 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. 1/10/08   | NA                             |

| Areas of Inspection                     | Observation  | Recommended Action  | Corrected Action   |
|---|--|---|--|
|   | in most areas. 1/10/08   |   |  |
|   | Soils remain exposed as a result of grounding activities. 10/5-1/10/08   | Continue to monitor and stabilize disturbed areas when work is complete and activity will not return within 21 days. Continue to monitor until stabilization is achieved. 1/10/08 | Needs attention  |
| Milford and Orange,<br>CT               | Crane pad reclamation<br>and restoration work<br>appear complete at this<br>time. Disturbed soils are<br>being graded and mulched<br>for temporary<br>stabilization. 1/10/08 | Continue to monitor until stabilization is achieved. 1/10/08  | Disturbed soils are being graded and mulched for temporary stabilization |
|   | Construction of the wetland mitigation area in Eisenhower Park appears to be complete at this time. Temporary stabilization measures are in place. 1/10/08                   | Continue to monitor until final stabilization is achieved. 1/10/08  | NA   |
|   | Wood chip piles remain in<br>the ROW off Russell Ave<br>in Orange. 1/10/08   | Wood chip piles should be removed from the ROW or spread in appropriate upland areas to a depth of 3" or less. 1/10/08  | Needs attention when feasible  |
| Woodbridge, CT                          |  |   |  |
| JCC                                     | Hydro-seed was applied to disturbed areas. 1/10/08   | Continue to monitor for stabilization. Re-seed if necessary. 1/10/08  | NA   |
| B'Nai Jacob                             | Disturbed areas were seeded and mulched for temporary stabilization. 1/10/08   | Continue to monitor for stabilization. Re-seed if necessary. 1/10/08  | NA   |
| Hamden, CT  Gaylord Mtn Rd/West Todd St | Mulch has been spread in washout areas near structure #3989 in an effort to temporarily stabilize disturbed soils. 1/10/08   | Continue to monitor.  Mulched areas should be seeded for further stabilization. Stone fill or similar may be needed to stabilize gullies/washouts. 1/10/08                        | Continue stabilization efforts   |

| Areas of Inspection   | Observation  | Recommended Action  | Corrected Action   |
|---|--|---|--|
| Old Lane Road   | The overhead access road has been stabilized with stone. Hydroseed was applied to exposed soils. 1/10/08   | Continue to monitor until stabilization is achieved. 1/10/08  | NA   |
| Dewatering  Milford, CT  Naugatuck Ave,  Caswell St, Plains Rd, and Oronoque Rd | Dewatering basins remain in place at new and proposed drilling sites in these sections. 1/10/08  | Continue to monitor active areas and adjust controls as necessary. 1/10/08  | Dewatering containment areas were installed proactively.                     |
| Eisenhower Park and<br>West River Street  | Frac tanks are in place for dewatering in these sections. 1/10/08  | Continue to monitor. 1/10/08  | NA   |
| Orange, CT<br>Woodbridge,<br>Bethany, and<br>Hamden CT                          | Dewatering basins remain<br>for 345kV foundation<br>work. 1/10/08  | Continue to monitor. 1/10/08  | NA   |
| North St  | A leaking dewatering basin was observed near structure #3845. Turbid water from the basin was observed flowing towards a wetland/intermittent stream 1/10/08 | Repair basin and/or add controls as necessary to contain turbid water. 1/10/08  | Needs attention  |
| Rimmon Rd/B'Nai   | A dewatering basin was constructed from a spoil pile near structure #24108 in Woodbridge. Erosion controls have been installed along the perimeter. 1/10/08  | Continue to monitor and add controls as necessary. 1/10/08  | Erosion controls where installed along the perimeter of the dewatering basin |
| Blasting  | No blasting is proposed at this time. 1/10/08  | None. 1/10/08   | NA   |
| Spills, soils and material storage.   | Contractor receiving yard is set up near Shelland St. in Milford. See segment 3 report. 1/10/08  | 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. 1/10/08 | NA   |

| Areas of Inspection   | Observation   | Recommended Action   | Corrected Action   |
|---|---|--|--|
| Milford/ Orange, CT West River St   | A small diesel fuel spill was observed on the timbermat pad near proposed structure #24023. The affected timbermats were removed from the ROW. 1/10/08  | Continue to monitor the wetland area for signs of the spill. In general, proactively check equipment for leaks and use spill control materials when performing maintenance during refueling. 1/10/08       | The affected timbermats were removed from the ROW, but needs further evaluation/ attention |
| Wheelers Farms Rd,<br>West River St,<br>Eisenhower Park, and<br>Rimmon Road | Equipment was not observed in wetland areas in these sections this week. 1/10/08  | In general, all construction<br>vehicles should be parked<br>at least 100 feet from a<br>wetland or waterbody<br>when feasible.1/10/08   | NA   |
| Fresh Meadow Ln   | Equipment such as a drill rig, a boom truck, and a dozer was observed parked on timbermats in wetlands and/or within 100 feet from wetlands in this area. 1/10/08   | In general, all construction vehicles should be parked at least 100 feet from a wetland or waterbody when feasible. Monitor for leaks and remove equipment from wetland areas as soon as possible. 1/10/08 | Needs attention  |
| Additional<br>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. 1/18-1/10/08 | Noted for the record. 1/18-1/10/08   | NA   |

| Next likel | y scheduled |
|------------|-------------|
| inspection | ۱۰          |

Friday January 18, 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



North St (Milford): The dewatering basin near structure #3845 was Leaking during the inspection and turbid water was observed flowing towards the wetland (located in background of photo).



North St: View of the turbid water leaking from the dewatering basin near structure #3845.



Eisenhower Park (Milford): Sand, used during foundation installation, is overwhelming the controls near structure #24027.



West River St (Milford): Tire ruts and a dissembled lattice tower remain in the wetland boundary near structure 24023.