

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: July 12, 2007

Inspector: Matt Kelly

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

Rainfall: 0.14” of precipitation was recorded in the week since the last inspection, with 0.11” of the total reported on 7/11 (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	With exception to a few areas in Hamden (see below), clearing and access road construction appears to be complete in these sections at this time. 7/12/07	Continue to monitor active work areas and add controls as necessary. See EC section. 7/12/07	Not Applicable (NA)
All access roads	Stone pads remain in place at all entrances to access roads. 7/12/07	Continue to monitor for sediment tracking in active areas. Sweep roadways as necessary. 7/12/07	Active areas need regular attention
	Mats remain at the wetland crossings in these sections. 7/12/07	Continue to monitor. 7/12/07	NA
	“Silt saks” (or similar) remain intact within catch basins located in the vicinity of the constructed access roads. Silt sak fabric was pulled over the curb drop inlet at those catch basins located immediately adjacent to the constructed access roads. 7/12/07	Continue to monitor and evaluate methods to protect the curb drop inlet and prevent sedimentation as needed. See Erosion Control Section for more detail. 7/12/07	CB controls in place. Improve as necessary
Willow St, Old Lane Road (Hamden, CT)	Access road construction continues off Willow Street, but no active work	Continue to monitor. See EC Section. 7/12/07	NA at this time

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>was noted this week. 7/12/07</p> <p>A small section of ROW between Tom Swamp/Arrow Rd and Brooksvale has yet to be accessed. 7/12/07</p>	<p>None at this time. 7/12/07</p>	<p>NA</p>
<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, and Morris Rd (east)</p> <p>B'Nai Jacob, Cowpath Lane, and Morris to Dillon (Glen Dam Reservoir)</p> <p>JCC</p> <p>Bethany,CT</p> <p>Morris (Hamden) to Hatfield, Downs Road to West Todd (Hamden)</p> <p>Hoadley Rd and Hatfield to Raccio</p> <p>Hamden,CT</p> <p>Tom Swamp/Arrow Road and West Todd Street</p>	<p>Foundation work continues within the ROW off Naugatuck Ave and Caswell St. Structure installation continues. 7/12/07.</p> <p>Foundation and structure installation work appears to be complete in all sections at this time. 7/12/07</p> <p>Foundation work appears to be complete in these sections at this time. Structure installation continues. 7/12/07</p> <p>Foundation work continues in these sections. 7/12/07</p> <p>Foundation work has not yet begun, but crane pads have been constructed in this section. 7/12/07</p> <p>Foundation drilling/pouring continues in these sections. 7/12/07</p> <p>Foundation work appears to be complete in these sections. 7/12/07</p> <p>Foundation work continues in these sections. 7/12/07</p>	<p>Continue to monitor active work areas. See EC Section. 7/12/07</p> <p>Continue to monitor active work areas. See EC Section. 7/12/07</p> <p>Continue to monitor active work areas. See EC Section. 7/12/07</p> <p>Continue to monitor. See Dewatering and EC Sections. 7/12/07</p> <p>Continue to monitor. See Dewatering and EC Sections. 7/12/07</p> <p>Continue to monitor. See Dewatering and EC Sections. 7/12/07</p> <p>None at this time.7/12/07</p> <p>Continue to monitor. See Dewatering and EC Sections. 7/12/07</p>	<p>NA at this time</p> <p>NA at this time</p> <p>NA</p> <p>NA at this time</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Brooksvale Ave, Old Lane Rd, Willow Street, and Route 10	Foundation work has not yet begun, but stone pads have been constructed in these sections. Timber mat crane pads were installed in the wetland areas. 7/12/07	Continue to monitor. See Dewatering and EC Sections. 7/12/07	NA
<p>Erosion and sediment controls</p> <p>All work areas</p> <p>Milford, CT</p> <p>Wheelers Farm Road</p> <p>Lexington Lane</p> <p>Orange, CT</p> <p>Racebrook Rd.</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. 7/12/07</p> <p>Snow and sediment were piled on the silt fence due to snow clearing (west) 3/19-5/3/07. Silt fence may need to be extended near the wetland, downgradient of the dewatering area here. The stockpile near the road is not covered. 4/13-7/12/07</p> <p>Hay mulch was applied to some of the disturbed soil areas in this section last week (east). 7/12/07</p> <p>Rock from construction activities was noted at the base of the crane pad slope here last week. The silt fence/haybale barrier continues to prevent rock and sediment from entering the wetland area. 7/12/07</p> <p>Silt fence is in need of repair along the edge of the crane pad at the</p>	<p>None. Continue to temporarily stabilize disturbed soils as necessary. 7/12/07</p> <p>Continue to monitor. Silt fence needs repair. Any remaining sediment needs to be pulled back to the work side of the fence. 3/23-5/3/07 All inactive stockpiles should be covered. 7/12/07</p> <p>Continue to monitor and stabilize exposed soils with seed and/or hay mulch as necessary. 7/12/07</p> <p>Continue to monitor and reinforce as necessary. Rock should be pulled back from the erosion controls and wetland area when feasible. 7/12/07</p> <p>Repair and maintain controls as necessary. 7/12/07</p>	<p>NA</p> <p>Silt fence and stockpiles need attention when feasible</p> <p>Hay mulch was applied to some of the disturbed soil areas for temporary stabilization</p> <p>Needs proactive attention when feasible</p> <p>Needs proactive attention when feasible</p>

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<p>Woodbridge, CT JCC</p>	<p>the crane pad at the wetland off Racebrook Rd. 3/23- 7/12/07</p> <p>Silt fence remains along the stream and wetland area. Hydro-seed was applied to the remaining disturbed areas. Grass growth was noted in previous weeks. 7/12/07</p>	<p>7/12/07</p> <p>Continue to monitor for stabilization. Re-seed if necessary. 7/12/07</p>	<p>NA at this time</p>
<p>B'Nai Jacob</p>	<p>Ruts were graded and disturbed areas were seeded and mulched for temporary stabilization in previous weeks. Grass growth was noted in previous weeks. 7/12/07</p>	<p>Continue to monitor for stabilization and use mats where necessary to reduce overall soil disturbance. 7/12/07</p>	<p>NA at this time</p>
<p>Rimmon Road</p>	<p>Spoil piles from foundation work remain in the wetland near Rimmon Road. 7/12/07</p>	<p>Remove spoil from the wetland area as soon as possible. Spoil should be stored and contained in an upland area within the ROW or removed from site. 7/12/07</p>	<p>Needs attention</p>
<p>Center Rd (west)</p>	<p>Spoil piles, only partially contained within erosion controls, remain near the wetland in this section. 7/12/07</p>	<p>Install/extend silt fence here to encompass entire spoil pile and prevent sedimentation to the wetland area. 7/12/07</p>	<p>Needs proactive attention</p>
<p>Hamden,CT 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. 7/12/07</p>	<p>Continue to monitor and add/maintain controls as necessary. Remove sediment pile from the top of the stone sediment trap. 7/12/07</p>	<p>Proper controls are in place but still needs proactive attention</p>
<p>West Todd Street</p>	<p>In approximately three areas, stormwater pooled along the perimeter controls and filtered though as concentrated flow off the ROW</p>	<p>Monitor during large rain events and investigate additional solutions to prevent stormwater conveyances off site. Although good efforts</p>	<p>Good efforts were made but needs additional evaluation/monitoring</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Old Lane Road	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. 7/12/07	Although good efforts were made to control stormwater flow, continue to improve the on-site containment. 7/12/07	
	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. 7/12/07	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 function and capacity. 7/12/07	Needs attention
	Culvert pipe sections remain in the wetland here. 7/12/07	Culvert pipe sections should be removed from the wetland area as soon as feasible. 7/12/07	Needs attention
	The overhead access road has been stabilized and proper controls are in place within the ROW. The “silt-sak” remains intact but sediment has accumulated within. Curb inlet protection has not yet been provided. 7/12/07	Monitor and add controls as necessary. Sediment should be cleaned from the “Silt-sak” and curb inlet protection should be provided. 7/12/07	Proper controls are in place but curb inlet protection should be provided due to active work in this area. Catch basin controls need regular attention
	A drainage swale, stone check dams, and a stone lined filtration basin were constructed along the access road to control and filter stormwater flow in this section. Due to the steep slope of the access road, additional stone check dams may be needed within the swale to slow flow here. 7/12/07	Continue to monitor and add controls as necessary. Additional stone check dams may be needed to slow flow within the swale along the access road here. 7/12/07	A drainage swale, stone check dams, and a stone-lined filtration basin were constructed to control and filter stormwater flow
Inland Wetland and	The ACOE permit is in	Follow general guidelines	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Watercourse encroachment and mitigation	hand and approved wetland work continues. 7/12/07	of the permit whenever work in wetlands occurs. 7/12/07	
Milford, CT Rt 121 and Oronoque Rd	Timber mat crane pads remain adjacent to/in wetlands in these sections. 7/12/07	Continue to monitor. Add controls as necessary. 7/12/07	NA at this time
West River Street and Eisenhower Park	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. 7/12/07	Continue to monitor and add controls as necessary. 7/12/07	NA at this time
East Rutland Road (western access point)	A stone access road remains at the wetland crossing off East Rutland. An existing stone culvert was already in place here. 7/12/07	Continue to monitor. Install controls as necessary. 7/12/07	NA at this time
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. 7/12/07	Continue to monitor. 7/12/07	NA at this time.
Woodbridge, CT Pease Road/JCC/B'Nai Jacob	Mats remain in the potential wetland area near Pease Road. 7/12/07 The wetland areas near the JCC and B'Nai Jacob have been cleared as a result of the permitted re-location of the ROW. Stone access roads were remain in portions of the wetlands in these sections. 7/12/07 A perimeter chain link fence was installed as	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. 7/12/07 Continue to monitor. Adjust controls as necessary. 7/12/07 None at this time. 7/12/07	NA at this time NA at this time NA at this time

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Oak Lane CC, Cow Path Lane, Salem Rd, Rimmon Rd, Brookwood Dr, Center Rd, Ansonia Rd and Manville Rd</p> <p>Bethany, CT (Morris to Hatfield)</p> <p>Hamden, CT West Todd St and Tom Swamp/Arrow Rd</p> <p>Willow Street</p> <p>115-kV underground transmission line/Old Lane Road</p>	<p>approved within the wetland along the access road at B’Nai. 7/12/07</p> <p>Spoil piles remain in the wetland near Rimmon Rd. 7/12/07</p> <p>Timber mat crane pads remain within the wetlands in these sections. 7/12/07</p> <p>A stone access road and timber mats have been constructed/installed in the wetland areas in this section. 7/12/07</p> <p>Temporary stone access roads and timber mats remain in some of the wetland areas in these sections. 7/12/07</p> <p>Timber mats are on site and will be installed before foundation work begins. No active work was noted in this section this week. 7/12/07</p> <p>The overhead access road was stabilized, but the water within the wetland remains turbid. 7/12/07</p>	<p>Remove stockpiles from the wetland as soon as possible. Spoil should be contained in an upland area or removed from site. 7/12/07</p> <p>Continue to monitor. 7/12/07</p> <p>Continue to monitor. 7/12/07</p> <p>Continue to monitor. 7/12/07.</p> <p>Continue to monitor and install timber mats as necessary. 7/12/07</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. 7/12/07</p>	<p>Needs attention</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>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. 7/12/07</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</p>	<p>Contractors stated that field crews have received the appropriate training and sweeps have occurred and will occur during active work.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
		from the construction area. 4/5-7/12/07	
<p>Vegetative clearing or stabilization</p> <p>All active roads (all towns)</p> <p>Milford , CT</p> <p>Orange, CT</p> <p>Orange Center Rd, Ridge Rd, and Hunting Hill Place</p> <p>Woodbridge, CT</p> <p>Pease Rd</p> <p>Bethany, CT</p> <p>Morris to Hatfield, Downs Rd, Hoadley Rd, Hatfield to Raccio Dr</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. 7/12/07</p> <p>Clearing appears to be complete in all sections at this time. Small trees and shrubs were retained where feasible. 7/12/07</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. 1/11-7/12/07</p> <p>Clearing appears to be complete in all sections at this time. Small trees and shrubs were retained where feasible. 7/12/07</p> <p>A wood chip pile, approximately 3 feet deep, is located in an upland area along the access road off Pease road. 7/12/07</p> <p>Clearing appears to be complete in these sections at this time. Small trees and shrubs were retained where</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. 7/12/07</p> <p>None at this time. 7/12/07</p> <p>Piles need to be either removed from the ROW or spread in appropriate upland areas to a depth of 3” or less. 1/11-7/12/07</p> <p>None at this time. 7/12/07</p> <p>Piles need to be either removed from the ROW or spread in appropriate upland areas to a depth of 3” or less. 7/12/07</p> <p>Continue to monitor. 7/12/07</p>	<p>NA</p> <p>NA</p> <p>Needs attention when feasible.</p> <p>NA</p> <p>Needs attention when feasible</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Hamden, CT Tom Swamp Rd/Arrow Rd, West Todd Street, Brooksvale Ave, Willow Street and Old Lane Rd.</p>	<p>feasible. 7/12/07 Clearing appears to be complete in these sections at this time. Small trees and shrubs were retained where feasible. 7/12/07</p>	<p>Continue to monitor. 7/12/07</p>	<p>NA</p>
<p>Milford, CT Naugatuck Ave, Caswell St, and Plains Rd</p> <p>Orange, CT All Sections</p> <p>Woodbridge, CT Pease Rd/JCC, Salem Rd, Brookwood Dr, Cowpath Lane, Manville Rd and Oak Lane CC</p> <p>B'Nai, Ansonia Rd, Manville Rd and Oak Lane CC</p> <p>Bethany, CT Morris to Hatfield and Downs Rd to West Todd St (Hamden)</p> <p>Hatfield to Raccio Dr and Hoadley Road</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. 7/12/07</p> <p>Dewatering activities appear to be complete in these sections at this time. 7/12/07</p> <p>Dewatering basins remain in place at the proposed drilling sites. Water trucks are used here when dewatering controls are approaching capacity. 7/12/07</p> <p>Dewatering appears to be complete in these sections at this time. Water trucks and frac-tanks were used for dewatering at these drilling sites. Slurry was pumped into a filter bag at an upland location near Pease Road, but some sediment breached the controls here during the week of 6/29/07. 7/12/07</p> <p>Dewatering basins remain at new and proposed drilling sites. 7/12/07</p> <p>Dewatering activities appear to be complete in</p>	<p>Continue to monitor active areas and adjust controls as necessary. 7/12/07</p> <p>None at this time. 7/12/07</p> <p>Continue to monitor and adjust controls as necessary. 7/12/07</p> <p>The filter bag should be used in conjunction with haybales or placed within an earthen basin to ensure water is properly filtered before it is released to the ground. 7/12/07</p> <p>Continue to monitor and adjust controls as necessary. 7/12/07</p> <p>None at this time. 7/12/07</p>	<p>Dewatering containment areas were installed proactively.</p> <p>NA</p> <p>Water trucks are used here when dewatering controls are approaching capacity</p> <p>Needs attention if dewatering is to continue here</p> <p>Dewatering containment areas were installed proactively.</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Hamden, CT Tom Swamp Rd/Arrow Rd, West Todd Street, Brooksvale Ave, and Old lane Rd	these sections at this time. 7/12/07 Dewatering basins remain at new and proposed drilling sites. 7/12/07	Continue to monitor and adjust controls as necessary. 7/12/07	Dewatering containment areas were installed proactively.
Blasting	No blasting is proposed at this time. 7/12/07	None	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. 7/12/07	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. 7/12/07	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. 1/18-7/12/07	Noted for the record. 1/18-7/12/07	NA

Next likely scheduled inspection:

Friday July 20, 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



West Todd St (Hamden): The wall of this check dam had been washed-out by heavy rains in previous weeks. It has since been repaired and stabilized with stone.



West Todd St: View of a stone sediment trap with minor sediment accumulation.



West Todd St: View of a newly installed foundation. Erosion controls remain intact here.



West Todd St (east): A gap remains in the haybales at this culvert outlet. The accumulated sediment within the stone trap is stabilizing with vegetation. Culvert pipe sections should be removed from the wetland area.