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: February 7, 2008

Inspector: Matt Kelly

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

Rainfall: 0.34" of precipitation were recorded since the last inspection with 0.19" of the total

reported on 2/5. (NOAA data at New Haven, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways Milford, CT, Orange	Clearing and access road construction appear to be complete in these sections at this time. 2/7/08	Continue to monitor active work areas and add controls as necessary. See EC section. 2/7/08	Not Applicable (NA)
CT, Woodbridge CT, Bethany CT, and Hamden CT All access roads	Stone pads remain in place at all entrances to access roads. New stone is being added to pads as necessary. 2/7/08	Continue to monitor for sediment tracking in active areas. Sweep roadways as necessary. 2/7/08	Active areas need regular attention
	Mats remain at the wetland crossings in these sections. 2/7/08	Continue to monitor. 2/7/08	NA
Milford, CT Caswell St/Bic Dr	All access points (overhead & underground) have been stabilized with stone pads, but the adjacent catch basin is still not protected. 12/14-2/7/08	Continue to monitor and sweep roadway as necessary. If sediment tracking continues, catch basin protection should be provided. 2/7/08	The remaining access points (overhead & underground) have been stabilized with stone pads
Woodbridge, CT Pease Rd	Sediment tracking was observed on Pease Road. Catch basin/curb inlet protection has not been provided. 1/24-2/7/08	Provide catch basin/curb inlet protection and sweep roadway as necessary. 2/7/08	Needs attention
Hamden, CT	Catch basin/curb inlet protection has been	Maintain controls and sweep roadway as	Catch basin/curb inlet protection has been

Areas of Inspection	Observation	Recommended Action	Corrected Action
Old Ln Rd	provided here. 2/7/08	necessary. 2/7/08	provided
Foundation and site construction All sections	H- frame structure and lattice tower removal continues in all sections. 2/7/08	Continue to monitor. 2/7/08	NA
	115-kV foundation work appears to be complete at this time within the ROW. 2/7/08	Continue to monitor. See EC Section. 2/7/08	NA
Bethany, and 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 these sections. 2/7/08	Continue to monitor. See EC and Stabilization Sections. 2/7/08	NA
Milford, CT	Foundation work appears to be complete at this time. Structure installation continues off Wheelers Farm Rd, West River St, North St, and Fresh Meadow Lane. 2/7/08	Continue to monitor active work areas. See EC Section. 2/7/08	NA
Orange, CT	345-kV foundation work continues off Treat Ln, Orange Center Rd, and Russell Ave. Structure installation continues off Pine Tree Dr, Lambert Rd, Sunset Dr, Hall Dr, and Dogburn Rd. 2/7/08	Continue to monitor active work areas. See EC Section. 2/7/08	NA
Route 34	A new "line-pulling pad" was installed here. Proper controls are in place. 2/7/08	Continue to monitor active work areas. See EC Section. 2/7/08	NA
Woodbridge, CT	Structure installation continues within the Rimmon Rd/B'Nai Jacob section. Foundation work continues off Cowpath Ln,	Continue to monitor active work areas. See EC Section. 2/7/08	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	Manville Rd, and Center Rd. 2/7/08		
Hamden, CT	Foundation work continues between Downs Road (Bethany) to Gaylord Mtn. Rd. No active foundation work was observed this week. 2/7/08	Continue to monitor active work areas. See EC Section. 2/7/08	NA
Erosion and sediment controls	Roots have been retained in most cleared areas to	None at this time. Continue to utilize the	NA
sediment controls	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. 2/7/08	appropriate erosion control measures and stabilize disturbed soils as necessary. 2/7/08	
Milford & Orange, Woodbridge, CT	Pad reclamation is complete in most areas at this time. Exposed soils have been graded and mulched. 2/7/08	Continue to monitor. Additional erosion controls are recommended in some areas during 345-kV foundation work. See Stabilization Section. 2/7/08	NA
	Spoil piles remain within the ROW off Orange Center Rd, Hall Dr, Edward Crt, Russell Ave, Dogwood Rd and Cowpath Ln. Piles appear to be contained in upland portions of the ROW. 2/7/08	Remove spoil piles when feasible. 2/7/08	Needs attention when feasible
Plains Rd	Exposed soils remain within the drainage swale located to the south of the substation. An erosive gully was observed here this week. 2/1-2/7/08	Fill ruts, from scouring, with an appropriate material and stabilize exposed soils. 2/7/08	Needs attention
West River St	Excess sediment from foundation drilling was observed on wetland timbermats in this section	Remove excess sediment from timbermat pads and add controls as necessary. See Wetland Section	Needs attention when feasible

Areas of Inspection	Observation	Recommended Action	Corrected Action
	timbermats in this section. 1/24-2/1/08	See Wetland Section. 2/1/08	
Eisenhower Park	Excess sediment from foundation drilling was observed on wetland timbermats in this section. 1/24-2/1/08	Remove excess sediment from timbermat pads and add controls as necessary. See Wetland Section. 2/1/08	Needs attention when feasible
	Silt fence controls remain at capacity near structure #24027. 1/4-2/7/08	Repair/add controls as necessary. Remove excess sediment to restore capacity/function of controls. 2/7/08	Efforts were made to repair controls but the controls remain overwhelmed with sand
	Silt fence in need of repair at structure #24026. 2/1-2/7/08	Repair/add controls as necessary. 2/7/08	Needs attention
North St	Excess sediment from foundation drilling was observed on wetland timber mats near structure #24030. 1/10-2/7/08	Remove excess sediment from mats and add controls as necessary. See Wetlands Section. 2/1/08 2/7/08	Needs attention when feasible
	Silt fence is in need of repair at structures #24030 & #24032. 2/7/08	Repair/add controls as necessary. 2/7/08	Needs attention
Pine Tree Dr	Silt fence in need of repair at structure #24042. 2/1-2/7/08	Repair/add controls as necessary. 2/7/08	Needs attention
Woodbridge, CT Glen Dam Reservoir	Exposed soils remain on the slope adjacent to structure #3950. 8/24-	Continue to monitor and stabilize disturbed areas when work is complete	Needs attention when feasible
	2/7/08	and activity will not return within 21 days. Add/maintain controls as necessary. Ensure sufficient stabilization during winter months. 2/7/08	
JCC	Spoil piles remain within the ROW near structure #3932. Piles appear to be contained in an upland portion of the ROW. 2/7/08	Remove spoil piles when feasible. 2/7/08	Needs attention when feasible

Areas of Inspection	Observation	Recommended Action	Corrected Action
Manville Rd	Silt fence is in need of repair near structure #24101. 2/7/08	Repair/add controls as necessary. 2/7/08	Needs attention
	Sand, used during foundation installation, is being stored on an access road in a wetland area near structure #24103. 2/7/08	Continue to monitor and remove sand when feasible. Add controls if necessary. 2/7/08	Needs evaluation
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. 2/7/08	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. 2/7/08	Good efforts were made but needs additional evaluation/monitoring
	Silt fence controls are at capacity along the perimeter of structure #3989, and at the nearby sediment basin. 2/7/08	Monitor and maintain controls as necessary to control and filter stormwater runoff. 2/7/08	Needs attention
	Additional haybales were added to the sediment basin, but it appears additional controls are needed here. 2/7/08	Continue to monitor and maintain controls to prevent further sedimentation to the wetlands. See Wetland Section. 2/7/08	Additional haybales have been added to the sediment basin but further attention is needed
Brooksvale Ave	Existing controls remain continue to function, but additional controls may be necessary. 2/7/08	Continue to monitor and add controls as necessary. 2/7/08	Needs evaluation
Willow Street	Spoils from foundation/grounding work remain on some of the timber mats at structure #4009. 9/21-2/7/08	Continue to monitor and stabilize disturbed soils. Remove spoils from timber mats. 2/7/08	Needs attention when feasible

Areas of Inspection	Observation	Recommended Action	Corrected Action
Inland Wetland and Watercourse encroachment and mitigation	The ACOE permit is in hand and approved wetland work continues. 2/7/08	Follow general guidelines of the permit whenever work in wetlands occurs. 2/7/08	NA
Milford, CT Naugatuck Ave, Rt 121 and Oronoque Rd	Timber mat crane pads remain adjacent to/in wetlands in these sections. 2/7/08	Continue to monitor and add controls as necessary. 2/7/08	NA at this time
West River Street, Eisenhower Park, and 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. 2/7/08	Continue to monitor and add controls as necessary. 2/7/08	NA at this time
	Excess sediment from foundation drilling was observed on wetland timbermats in the ROW off West River St, North Street and within Eisenhower Park. 2/7/08	Remove sediment from wetland area. Evaluate sediment accumulation within the wetland when mats are removed. Carefully remove sediment during the dry season if it is found to be greater than 2" in depth. See EC Section. 2/1/08 2/7/08	Needs attention when feasible
	A disassembled lattice tower was observed in the wetland near proposed structure #24023. 2/1-2/7/08	Remove the structure from the wetland. 2/7/08	Needs attention
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. 2/7/08	Continue to monitor. Install controls as necessary. 2/7/08	NA at this time.
Orange, CT Sunset Drive, Pine Tree Rd (east), Treat Lane, Lambert Rd, Russell Ave, Hunting hill Road,	Timber mat crane pads/crossings remain at the wetland areas here. Stone wetland crossings are in place at Lambert Rd and Treat Lane. 2/7/08	Continue to monitor. 2/7/08	NA at this time

Areas of Inspection	Observation	Recommended Action	Corrected Action
Racebrook Rd, and Route 34			
Clearview Lane to Rt 15	Stone access roads and timber mat crossings remain in the wetland areas here. 2/7/08	Continue to monitor. 2/7/08	NA at this time
Woodbridge, CT Pease Road	Mats remain in the potential wetland area here. 2/7/08	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. 2/7/08	NA at this time
	Tire ruts were noted in a wetland area within the abandoned ROW here. 11/16-2/7/08	Fill and stabilize ruts with appropriate material. In general timber mats (or similar) should be used when it becomes necessary to access a wetland. 2/7/08	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. 2/7/08	Continue to monitor. Adjust controls as necessary. 2/7/08	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. 2/7/08	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. See EC Section. 2/7/08	Needs evaluation
Rimmon Rd	A timbermat crane pad (installed 12/7/07) remains adjacent to/within a tributary stream of Race Brook near structure #24105. 2/1/08	Continue to monitor. 2/1/08	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	A disassembled "H" frame structure remains in the wetland here. 2/7/08	Remove structure from the wetland. 2/7/08	Needs attention
Oak Lane CC, Cow Path Lane, Salem Rd, Rimmon Rd, Brookwood Dr, Center Rd, Ansonia Rd, Manville Rd and Clear Ln to Rte 15	Timber mat crane pads remain within the wetlands in these sections. 2/7/08	Continue to monitor. 2/7/08	NA at this time
Bethany, CT	A stone access road and timber mats are in place in	Continue to monitor. 2/7/08	NA
Morris to Hatfield	the wetland areas in this section. 2/7/08		
Litchfield Turnpike	Excess sediment has accumulated on the timber mat crossings within the access road here. Sediment has seeped through the mats and into wetlands #116 (between structures #3964 and #3965), #115 (between structures #3965 and #3966) and #114 (between structure #3966 and #3967). 2/7/08	Carefully remove sediment from wetland areas when timber mats are removed. See EC Section. 2/7/08	Needs evaluation/ attention
	Timber mats have been removed from the wetland near structure #3961. 2/7/08	Continue to monitor. See stabilization section. 2/7/08	Timber mats have been removed from the wetland near structure #3961
Hamden,CT West Todd St, Tom Swamp/Arrow Rd, Willow Street, Brooksvale Ave, and Old Lane Rd	Temporary stone access roads and timber mats remain in some of the wetland areas in these sections. 2/7/08	Continue to monitor. 2/7/08	NA at this time
West Todd Street	Sediment remains in the wetland area located to the southwest of structure #3992. 12/20/07-2/7/08	Evaluate sediment accumulation within the wetland. Carefully remove sediment from wetland if it is greater than 2" in depth. 2/7/08	Needs attention
Brooksvale Ave	Excess sediment has been removed from the timber	Carefully remove sediment from wetland areas when	Needs evaluation/ attention

Areas of Inspection	Observation	Recommended Action	Corrected Action
	mat crossing within the access road here, but sediment had seeped through the mats and into wetland #100. 2/1-2/7/08	timber mats are removed. 2/7/08	
Old Lane Road	Sediment remains in wetland #94. 10/5-2/7/08	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. 2/7/08	Needs evaluation/ attention
115-kV underground 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). 2/7/08	Continue to evaluate sediment accumulation within the adjacent wetland. Carefully remove sediment from the wetland if it is greater than 2' in depth. 2/7/08	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. 2/7/08	Wood turtles are considered dormant from November 1 st to April 1 st 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. 2/7/08	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	Continue to retain appropriate vegetation for stabilization. Retain as much vegetation as possible for screening. Confirm that	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	tree species were retained along the ROW where feasible. Select shrubs, especially those adjacent to wetlands, also remain in most areas. 2/7/08	clearing/cutting is limited only to areas defined in D&M plan. Provide as much buffer as possible for homeowners. 2/7/08	
	Soils remain exposed as a result of grounding activities. 10/5-2/7/08	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. 2/7/08	Needs evaluation/attention
Milford and Orange, CT	115 kV crane pad reclamation and restoration work appear complete at this time. Disturbed soils are being graded and mulched for temporary stabilization. 2/7/08	Continue to monitor until stabilization is achieved. 2/7/08	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. 2/7/08	Continue to monitor until final stabilization is achieved. 2/7/08	NA
	Equipment ruts have been graded and stabilized with mulch in the wetland near structure #24023.	Continue to monitor until final stabilization is achieved. 2/1/08	NA
	Wood chip piles remain in the ROW off Russell Ave in Orange. 2/7/08	Wood chip piles should be removed from the ROW or spread in appropriate upland areas to a depth of 3" or less. 2/7/08	Needs attention when feasible
Woodbridge, CT	115 kV crane pad reclamation and restoration work continues at this time. Disturbed soils are being	Continue to monitor until stabilization is achieved. 2/7/08	Disturbed soils are being graded and mulched for temporary stabilization

Areas of Inspection	Observation	Recommended Action	Corrected Action
	graded and mulched for temporary stabilization. 2/7/08		
JCC	Hydro-seed was applied to disturbed areas. 2/7/08	Continue to monitor until final stabilization is achieved. Re-seed if necessary. 2/7/08	NA
B'Nai Jacob	Disturbed areas have been seeded and mulched for temporary stabilization. 2/7/08	Continue to monitor until final stabilization is achieved. Re-seed if necessary. 2/7/08	NA
Bethany and Hamden, CT	115 kV crane pad reclamation and restoration work continues at this time. Disturbed soils are being graded and mulched for temporary stabilization. 2/7/08	Continue to monitor until final stabilization is achieved. 2/7/08	Disturbed soils are being graded and mulched for temporary stabilization
Litchfield Turnpike	Timber mats have been removed from the wetland near structure #3961. The wetland has been restored to original grade and exposed soils have been mulched. 2/7/08	Continue to monitor until final stabilization is achieved. 2/7/08	Wetland has been restored to original grade and exposed soils have been mulched
Gaylord Mtn Rd/West Todd St	Mulch has been spread in washout areas near structure #3989 in an effort to temporarily stabilize disturbed soils. 2/7/08	Continue to monitor. Mulched areas should be seeded for further stabilization. Stone fill or similar may be needed to stabilize gullies/ washouts. 2/7/08	NA
Old Lane Road	The overhead access road has been stabilized with stone. Hydroseed was applied to exposed soils. 2/7/08	Continue to monitor until final stabilization is achieved. 2/7/08	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. 2/7/08	Continue to monitor active areas and adjust controls as necessary. 2/7/08	Dewatering containment areas were installed proactively.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Orange, CT Woodbridge, Bethany, and Hamden CT	Dewatering basins remain for 345kV foundation work. 2/7/08	Continue to monitor. 2/7/08	NA
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. 2/7/08	Continue to monitor and add controls as necessary. 2/7/08	Erosion controls where installed around the perimeter of the dewatering basin
Russell Rd	Dewatering is being performed with dewatering trucks in this area. 2/7/08	Continue to monitor and add controls as necessary. 2/7/08	NA
Manville Rd	Frac tanks are in place for dewatering in this area. The dewatering basin is no longer functional. 2/7/08	Continue to monitor and add controls as necessary. 2/7/08	NA
Pease Rd	Foundation dewatering is occurring within an upland portion of the ROW here. Filter bags are in place but the haybale perimeter has not yet been installed. The water appears to be confined to the upland portion of the ROW. 2/7/08	Install haybale perimeter. Continue to monitor and add controls as necessary. 2/7/08	Needs attention
	Water from foundation drilling (in the Pease Road area) is being pumped to frac tanks, which are then hauled to the ROW off Pease Rd for dewatering. During transportation, a frac tank overflowed releasing slurry onto the Pease Rd ROW access. Sediment has been swept from Pease Rd. 2/7/08	Contain water within fractanks during transportation. Evaluate alternate access roads and upland ROW areas for dewatering, as the Pease Road access is fairly steep. Contain and/or remove existing sediment from the access road. Sweep roadway as necessary. 2/7/08	Sediment has been swept from Pease Rd Needs further attention/evaluation

Areas of Inspection	Observation	Recommended Action	Corrected Action
Blasting	No blasting is proposed at this time. 2/7/08	None. 2/7/08	NA
Spills, soils and material storage.	Contractor receiving yard is set up near Shelland St. in Milford. See segment 3 report. 2/7/08	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. 2/7/08	NA
Milford/ Orange, CT West River St	A small diesel fuel spill was observed on the timbermat pad near proposed structure #24023. The affected timbermats where removed from the ROW. 2/7/08	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. 2/7/08	Needs evaluation/ attention
North St (North)	A dozer was observed parked within 100 feet of a wetland in this area. 1/24-2/7/08	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. 2/7/08	Needs attention
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. 1/18/07-2/7/08	Noted for the record. 1/18/07-2/7/08	NA

Next likely scheduled	
inspection:	Friday February 15, 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



Route 34 (Orange): A new "line-pulling pad" was installed within the wetland buffer here. Proper controls are in place.



Manville Rd (Woodbridge): Sand, used during foundation installation, is being stored on the access road in this wetland area near structure #24103.



Manville Rd: Frac tanks are being used for dewatering in this area since the dewatering basin is no longer functional.



Rimmon Rd (Woodbridge): A disassembled "H-frame" structure remains in the wetland area here.



Litchfield Turnpike (Bethany): Wetland timber mats and the stone crane pad have been removed near structure #3961. Exposed soils have been graded and temporarily stabilized with mulch.



Brooksvale Ave (Hamden): Sediment from the access road has accumulated on the timber mats here. Some sediment has seeped through the mats and into the wetland.



Brooksvale Ave: Existing controls remain functional, but additional controls are needed.



Brooksvale Ave: Additional view of sediment accumulation on the timber mats.