## 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 22, 2007** 

**Inspector:** Lee Curtis

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

Rainfall: A total of 0.31" of precipitation were recorded over 2/21-2/22 in the week since the

previous inspection. (as reported by NOAA at New Haven, CT).

<b>Areas of Inspection</b>	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways  Orange, CT Ridge Rd, Rolling Ridge Rd, Sunset Dr, Hall Dr, Edward Ct, Racebrook Rd, Overland Dr, Hunting Hill Pl, Harbor View,/Saddle Ridge,	Clearing/road construction appears to be complete in these sections at this time. No active roadwork was occurring in these sections during the inspection this week. 2/22/07	Continue to monitor. Install mats if necessary. 2/22/07	Not Applicable (NA)
Route 152, Treat Lane, Pine Tree Dr, Lambert Rd, Russell Ave, and Hunting Hill Rd, Dogwood Road	Mats remain at the wetland crossings in these sections. 2/22/07	Continue to monitor. 2/22/07	NA
Dogburn Rd to Route 34	Clearing and access road construction continues here. No active work was noted during the inspection. 2/22/07	Continue to monitor and add controls as necessary. 2/22/07	NA
All access roads (above)	Stone pads remain in place at all entrances to access roads and minor sediment tracking was observed in some locations this week. 2/22/07	Continue to monitor for sediment tracking. Sweep roadways as necessary. 2/22/07	Needs regular attention
	"Silt saks" (or similar) remain intact within catch basins in the vicinity of the constructed access roads.	Continue to monitor and evaluate methods to protect the curb drop inlet and prevent sedimentation as needed.	CB controls in place. Improve as necessary.

Areas of Inspection	Observation	Recommended Action	<b>Corrected Action</b>
	Silt sak fabric was pulled over the curb drop inlet at those catch basins located immediately adjacent to the constructed access roads. 2/22/07	See Erosion Control Section for more detail. 2/22/07	
Milford, CT Shelland Street	Activities associated with the relocation of Shelland St continue near the proposed East Devon Substation site. 2/22/07	Continue to monitor and add controls as necessary. 2/22/07	NA
Wheelers Farm Road	Clearing and access road construction continues here. 2/22/07	Continue to monitor and add controls as necessary. 2/22/07	NA
Caswell Street, Plains Road to Oronoque Rd, Lexington Lane, Woodruff Road, and Route 121	Clearing and access road construction appears to be complete in these sections at this time. 2/16/07	Continue to monitor and add controls as necessary. 2/22/07	NA
Woodbridge, CT Pease Road	No active work was noted here this week. 2/22/07. Additional mats remain along the access road.	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. 2/22/07	NA
Glen Dam Reservoir ( Dillon Road to Morris Road)	Clearing and access road construction appear complete in these sections at this time. 2/22/07	Continue to monitor. 2/22/07	NA
Manville Rd and Salem/Brookwood Rd	Clearing and access road construction has begun in these areas. 2/22/07	Continue to monitor. 2/22/07	NA
Hamden, CT 115-kV underground transmission line	Trenching and backfilling continues along Old Lane Rd this week. Silt saks are in place within the catch basins near active work areas here. Some gutter buddies were noted but not all curb drop inlets were protected. 2/22/07	Continue to monitor. Gutter buddies (or similar) are often removed for town plowing needs but should be replaced to filter runoff. 2/22/07	Some CB controls are in place but additional attention is needed.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Foundation and site construction Orange, CT Sunset Dr, Overland Dr, Route 152, Ridge Rd, Edward Ct, Racebrook Rd, Hall Dr, and Russell Ave, Rolling Ridge Rd,	Foundation work appears to be complete in these sections at this time. Some structures have been delivered for installation in these areas. 2/22/07	See Dewatering and EC Sections. 2/22/07	NA
and Lambert Rd Hunting Hill Rd, Hunting Hill Place, and Harbor View/Saddle Ridge	Timber mat and stone crane pads are in place, but foundation work has not begun in these sections. 2/22/07	See Dewatering and EC Sections. 2/22/07	NA
Treat Lane and Pine Tree Drive	Foundation drilling/pouring has begun for structures located to the east of the wetland crossing at Treat Lane. Foundation work is nearly complete off Pine Tree Dr. 2/22/07	See Dewatering and EC Sections. 2/22/07	NA
Dogwood Rd (west)	Foundation drilling/pouring was actively occurring within the wetland area to the west of Dogwood Road. 2/22/07.	Continue to monitor. See Dewatering and EC Sections.	NA
Milford , CT Shelland Street	Site preparation continues at the proposed East Devon Substation site. 2/22/07.	See Dewatering and EC Sections. 2/22/07.	NA
Rt 121 (west), Lexington Lane, Woodruff Rd, and Wheelers Farm Rd.	Foundation work has not yet begun but stone pads were constructed in these sections. A timber mat crane pad remains adjacent to the wetland off Rt 121. 2/22/07.	None at this time. 2/22/07.	NA
Woodbridge, CT Salem Rd/Brookwood	Stone pads were being constructed off Salem Road this week. A timber mat crane pad was also installed in the wetland here for foundation access. 2/22/07.	None at this time. See EC section. 2/22/07	NA
Erosion and sediment controls	Roots have been retained in most cleared areas to maintain some soil	None. Continue to temporarily stabilize disturbed soils as	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Orange, CT	stability. 2/22/07.	necessary 2/22/07.	
Russell Ave	Some ruts remain within the ROW here. Soils are too soft to support equipment. 11/20-2/22/07.	Stabilize soil (tracks) as it becomes necessary.	NA at this time
	The plastic should be adjusted on the spoil piles in some areas. 2/16-2/22/07.	Adjust plastic on spoil piles as needed. 11/20-2/22/07.	
Sunset Dr and Overland Drive	Sediment has built up around the catch basins off Sunset Dr and Overland Dr. Silt-saks still appear to be functioning properly here. 1/11-2/22/07.	Continue to monitor for sediment tracking. Sweep roadways and areas around catch basins as necessary. 1/11-2/22/07.	Needs proactive attention when feasible.
	Silt fence remains intact at the wetland crossing accessed from Sunset Dr. and at the wetland area off Overland Dr. (east) 2/22/07.	Continue to monitor and maintain as necessary. 11/20-2/22/07.	NA
	All spoil piles are on liners and remain partially covered with plastic in the ROW off Sunset Dr. The plastic covering should be adjusted in some areas. The silt fence remains intact at the spoil pile near the wetland here. 2/16-2/22/07.	Adjust plastic covers and maintain silt fence as necessary. 1/18-2/16/07.	Needs proactive attention when feasible
Orange Center Rd/Route 152	Silt fence remains intact at the small wetland area to the west of Route 152. 2/22/07.	Continue to monitor and adjust controls as necessary. 2/22/07.	Silt fence and haybales installed proactively.
	Spoil piles remain partially covered with plastic in the ROW here. Plastic covering should be adjusted in some areas. 2/16-2/22/07.	Adjust plastic covers as necessary. 2/22/07.	Needs proactive attention when feasible
Lambert Road	Silt fence and haybales remain intact at the base	Continue to monitor and adjust controls as	The slopes were mulched for temporary

Areas of Inspection	Observation	Recommended Action	Corrected Action
	of the stone crane pad and along the access road here. Hay mulch was applied to the crane pad slopes. 2/22/07.	necessary. 2/22/07.	stabilization. (proactively)
Rolling Ridge Road	The spoil pile here has not yet been covered with plastic, but it appears to be contained on site. 2/16-2/22/07.	Inactive piles should be covered with plastic when feasible. 2/16-2/22/07.	Needs proactive attention when feasible
Racebrook Rd.	Silt fence is toed in but slumping in some areas along the edge of the crane pad at the wetland off Racebrook Rd. 2/1-2/22/07.	Repair/maintain controls here. Continue to monitor. 2/1-2/22/07.	Silt fence installed but needs some attention
Edward Court	Silt fence remains intact along the stone pad. Some of the mulch has washed downlsope at the disturbed area, however the haybales and silt sak continue to protect the catch basin here. 2/22/07.	Continue to monitor. Reapply mulch in this area if needed. 2/22/07.	NA at this time
Hall Drive	The spoil pile here remains uncovered. 2/16-2/22/07.	Inactive spoil piles should be covered when feasible. 2/16-2/22/07.	Needs proactive attention when feasible
Treat Lane	All spoil piles are on liners and remain partially covered with plastic. The plastic covering should be adjusted in some areas. 2/16-2/22/07	Continue to monitor. Adjust plastic covers as necessary. 2/16-2/22/07.	Needs proactive attention when feasible
Ridge Road	Silt fence remains intact along the work areas here to help prevent impacts to abutting property. 2/22/07.	Continue to monitor and maintain as necessary. 2/22/07.	NA
Pine Tree Dr	Haybales remain along the edge of the timber mat wetland crossing off Pine Tree Dr (east). The majority of the silt fence remains intact at the small wetland area off Pine Tree Dr (west)	Continue to monitor and maintain as necessary. 2/22/07.	NA

<b>Areas of Inspection</b>	Observation	Recommended Action	Corrected Action
	Pine Tree Dr (west). 2/22/07.		
Saddle Ridge Rd/Harbor View Place	Silt fence and filter socks remain at the work area for proposed structure #3883. 2/22/07.	Continue to monitor and maintain as necessary. 2/22/07.	NA
Hunting Hill Road	Silt fence remains at the matted wetland here. 2/22/07.	Continue to monitor and maintain as necessary. 2/22/07.	NA
Dogwood Rd (west)	Haybale barriers were installed on either side of the access road at an existing stream crossing here. 2/22/07	Continue to monitor and adjust as necessary. 2/22/07	Haybales were installed appropriately in this area.
Milford, CT Route 121	Stone and silt fence check dams remain along the ROW here. Silt fence remains at the wetland down-gradient of the spoil pile (east) and along the crane pad (west). 2/22/07.	Continue to monitor and maintain as necessary. 2/22/07.	NA
Shelland Street	All exposed soil and sediment is contained on site. Silt fence remains intact near the new road location. 2/22/07.	Continue to monitor. 2/22/07.	NA
Lexington Lane (east)	Silt fence and haybales remain downgradient of the crane pad for proposed structure #3826. Hay mulch is in place along disturbed slopes. 2/22/07.	Continue to monitor. 2/22/07.	The slopes were mulched for temporary stabilization. (proactively)
Plains Rd to Oronoque Rd.	Hay mulch is in place on disturbed slopes along portions of the ROW here. 2/22/07.	Continue to monitor. 2/22/07.	The slopes were mulched for temporary stabilization. (proactively)
Wheelers Farm Road (west)	Silt fence remains intact at the wetland adjacent to the access road here. Hay mulch is in place along disturbed slopes. 2/22/07.	Continue to monitor. 2/22/07.	The slopes were mulched for temporary stabilization. (proactively)

Areas of Inspection	Observation	<b>Recommended Action</b>	Corrected Action
Woodbridge, CT Glen Dam Reservoir	Silt fence is in place along the access road in appropriate locations. Mulch is in place in areas of disturbed soil. 2/22/07.	Continue to monitor this area carefully due to the adjacent reservoir. Adjust controls as needed. 2/22/07.	NA
Pease Road	Mats remain within the access road and in proposed structure locations within the ROW off Pease Road. Soil is saturated here and prone to rutting, 2/22/07.	Continue to install mats and erosion controls where necessary. 2/22/07.	NA at this time
Salem Rd.	Haybales were placed around a timber mat crane pad that was installed in the wetland. 2/22/07	Continue to monitor and adjust as necessary. 2/22/07	Haybales were installed proactively.
Hamden, CT 115-kV underground transmission line	Sediment has built up in the gutter around some of the catch basins along Old Lane Road. The silt saks still appear to be functioning properly here, but gutter buddies are not in place at all inlets. 2/22/07	Sweep roadways and areas around catch basins by hand if street sweepers cannot reach. Replace gutter buddies around town plowing schedule. 2/22/07	Needs proactive attention when feasible
Inland Wetland and Watercourse encroachment and mitigation	The ACOE permit is in hand and approved wetland work continues. 2/22/07.	Follow general guidelines of the permit whenever work in wetlands occurs. 2/22/07	NA
Orange, CT Pine Tree Drive	A timber mat crane pad has been placed at the small wetland at the entrance of the ROW off Pine Tree Drive (west) to access a foundation. 2/22/07	Take care to minimize disturbance to the wetland here. 2/22/07.	Access appears to be appropriate.
Orange Center Drive (west)	Stormwater continues to pool at the access road located across from the wetland area off Orange Center Drive (west). Silt fence remains intact here. 1/5-2/22/07.	If water continues to rise, additional stone should be placed along the access road to allow for additional filtration before this water reaches the wetland. 1/18-2/22/07.	NA
Sunset Drive,	Mats remain at the	Continue to monitor.	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Pine Tree Rd (east), and Lambert Rd	wetland crossings here. A stone wetland crossing is in place at Lambert Rd. 2/22/07.	2/22/07.	
	ATV tracks were noted in the wetland areas within the ROW off Pine Tree Rd. The ruts are not project related but ATVs appear to be using the wetland for access due to the gate across the access road. 2/16-2/22/07.	None at this time. Although disturbance is not project related, consider putting up construction fence at the wetland edge as a deterrent. 2/16-2/22/07.	Needs evaluation (non- project related)
Russell Ave and Racebrook Rd.	Timber mat crane pads remain in the wetland areas here. An approved foundation was installed in the wetland off Russell Ave. 2/22/07.	Continue to monitor. 2/22/07	NA at this time
Hunting Hill Rd and Rt 121 (Milford, CT)	Timber mat crane pads remain adjacent to/in wetlands in these sections. 2/22/07.	Continue to monitor. 2/22/07.	NA at this time
Woodbridge, CT Pease Road	Mats remain at the potential wetland area here. 2/22/07.	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. 2/22/07.	NA at this time
Salem Road	A timber mat crane pad was installed within the wetland accessed from Salem Road. 2/22/07.	Continue to monitor. 2/22/07.	NA at this time
State species of concern, threatened and endangered species.	According to the D&M plan, state-listed species are not located in or adjacent to the current active work areas. 2/22/07.	None. 2/22/07.	NA
Vegetative clearing or stabilization Orange, CT All active roads	Vegetative clearing was noted within the ROW. Most species were invasive and were removed. "Hedgerows", including cedars and	Continue to retain appropriate vegetation for stabilization. Retain as much vegetation as possible for screening.	NA.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	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. 2/22/07.	Confirm that clearing/cutting is limited only to areas defined in D&M plan. Provide as much buffer as possible for homeowners. 2/22/07	
Orange Center Rd, Sunset Dr, Ridge Rd, Russell Ave, Hall Drive, Rolling Ridge Rd, Overland Dr, Hunting Hill Place, and Lambert	Wood chips have been spread along the upland portions of the cleared ROW in these sections. 2/22/07.	Continue to maintain a depth of 3" or less so vegetative growth is not inhibited. 2/22/07.	More wood chips were spread in appropriate areas.
Rd.	Wood chips near the culde-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. 1/11-2/22/07.	Piles need to be either removed from the ROW or spread in appropriate upland areas to a depth of 3" or less. 1/11-2/22/07.	Needs attention when feasible.
Route 34 and Dogburn Road	No active work was noted this during the inspection but clearing continues within these sections of ROW. Some wetland clearing was done by hand. 2/22/07	Continue to retain appropriate vegetation for stabilization and as much as possible for screening. 2/22/07.	Some wetland clearing was performed by hand to reduce impacts.
Milford , CT Shelland Street	Vegetative clearing associated with the proposed East Devon Substation Site and road relocation continues. 2/22/07.	Continue to retain appropriate vegetation for stabilization. Retain as much vegetation as possible for screening. 2/22/07.	NA
Wheelers Farm Road (east)	Some clearing and road construction continues in this section. 2/22/07.	Continue to retain appropriate vegetation for stabilization. Retain as much vegetation as possible for screening, 2/22/07.	NA
Woodbridge, CT Pease Road	No active clearing was noted. Major clearing will be necessary in the future for the relocation of the ROW here. 2/22/07.	Continue to confirm that all clearing/cutting is limited only to areas defined in D&M plan. 2/22/07.	NA
Dewatering	Dewatering containment	Continue to monitor and	Dewatering areas

Areas of Inspection	Observation	Recommended Action	Corrected Action
Orange, CT Pine Tree Drive (east & west), Saddle Ridge/ HarborView, Hunting Hill Place, Dogwood, Rolling Ridge Road, Road and Route 34 to Dogburn Rd.	areas have been pro- actively placed within the ROW in these sections. This includes silt fence and haybale corrals and dewatering basins. Drilling has not begun in these sections yet. 2/22/07.	adjust controls as necessary. 2/9/07.	installed proactively.
Pine Tree Drive, Dogwood Road, and Rolling Ridge Road	Dewatering containment areas were proactively installed in these sections. 2/22/06.	Continue to monitor and adjust controls as necessary. 2/9/07.	Dewatering areas installed proactively.
	The large dewatering basin constructed within the ROW off Dogwood Rd east was used to hold/filter water trucked in from dewatering activities on the western side of the road. 2/22/06.	Continue to monitor and adjust controls as necessary. Attempt to construct basins with adequate capacity. 2/22/07.	NA
	The dewatering controls were breached within the ROW off Pine Tree Drive (east). A significant amount of sediment was released into an upland area. 2/22/06.	Continue to construct basin with adequate capacity. Monitor controls during dewatering activities and adjust as necessary to contain sediment and prevent adjacent run-off issues. 2/22/07	Even though this is an upland area, repair breaches and provide adequate containment.
Russell Ave	The large dewatering containment area remains off Russell Ave. Although sediment/slurry was noted beyond the basin in previous weeks, secondary controls were installed downgradient to prevent sedimentation to adjacent property. 2/9-2/16/07 This basin is not actively being used at this time. 2/22/07.	Continue to monitor and adjust controls as necessary. Attempt to construct basins with adequate capacity. 2/9-2/22/07.	Secondary controls were in place to contain the slurry
Milford, CT Route 121, Woodruff Rd, Lexington Lane, Wheelers Farm Road, Caswell Street and Plains Rd. to Oronoque Rd.	Dewatering basins have been pro-actively placed at these new drilling sites. 2/22/07.	Continue to monitor and adjust controls as necessary. 2/22/07.	Dewatering containment areas were installed proactively.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Blasting	No blasting is proposed at this time. 2/22/07.	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. 2/22/07.	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. 2/22/07.	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. 1/18-2/22/07	Noted for the record. 1/18-2/22/07	NA

Next likely scheduled inspection:

Thursday, March 1, 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:** Lee Curtis, BSC Group

**Reviewer:** Diana Walden, BSC Group



Gutter buddies were installed to protect the drop inlets in the catch basins near the  $115\ kV$  underground work in Hamden.



View of the trench work extending from the existing overhead ROW into Old Lane Road.



Trenching, conduit installation and backfilling continues within Old Lane Road.



Some of the catch basins here do not appear to be adequately protected with gutter buddies or similar drop inlet protection. These were likely removed for town plowing purposes but need to be replaced.



Some of the hay mulch was washed downslope leaving areas of exposed soil in the ROW off Edward Court. The catch basins remain protected here.



Portions of the silt fence should be repaired around the perimeter of the crane pad off Racebrook Road.



Wood chips were spread in the disturbed areas adjacent to the wetland off Hall Drive.



Wood chips were spread appropriately within the disturbed upland portions of ROW off Lambert Rd.  $\,$ 



Hay mulch was applied to the disturbed slopes at the crane pad off Lambert Rd. proactively. Erosion controls remain intact here.



View of the dewatering basin constructed within the ROW off Dogwood Rd (east). Water is being trucked here from work areas to the west of Dogwood Rd.



View of the foundation drilling/pouring within the wetland area off Dogwood Rd. (west). Haybales were in place at the stream.



View of the recent clearing within the ROW off Manville Road in Woodbridge.



View of the clearing and access road construction off Salem Road.



View of the timber mat crane pad and haybale barrier installed in the wetland off Salem Road.



Dewatering controls were installed proactively near the proposed foundation locations off Salem Road.



View of the cleared areas in the ROW between Dogburn Rd. and Route 34. No active work was noted here this week.





View of the newly poured foundation within the ROW off Pine Tree Drive (east).



The small wetland area at the entrance of Pine Tree Dr (west) was matted for access to foundation construction.



The dewatering controls were breached off Pine Tree Dr (east) and a significant amount of sediment was released into an upland area within the ROW. Improve containment to avoid adjacent run-off issues.