## **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 2a Inspection**

Date: February 5, 2008

**Inspector:** Matthew Creighton

Location: Segment 2a – Beseck Switching Station to Cheshire/Hamden Town Line

Rainfall: 2.71" of precipitation was recorded in the week prior to inspection with 2.33" on 2/1 (NOAA

data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	Timber mats are in place at wetland crossings and staging areas. 2/5/08	See Erosion Control Section for more details 2/5/08	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, some timber mat & stone staging areas remain within wetlands. 2/5/08	See the erosion control section for more details. 2/5/08	Needs attention.
Durham Rd. Liney Hall Ln.	An equipment bridge crossing remains over the Muddy River tributary and a second bridge is in place off Liney Hall Rd. to access structure #24272. New access road and minor pad work continues off Liney Hall Ln. 2/5/08	Continue to monitor and add controls as needed. 2/5/08	NA at this time.
Tamarack Swamp Rd.	Plows have pushed snow and associated stone/sediment to the boundaries of the wetlands when clearing the pad. 12/26-2/5/08 Although contained by controls, this is a large amount of stone material potentially outside of the proposed work limits. 1/8-2/5/08	Snow should not be plowed up to or within the wetlands as it will likely result in deposition of sediment. Pull sediment back from this area and ensure controls are in good shape. 12/26-2/5/08	Determine if material is outside of work limits.
	Access road remains in place within the pasture	Clean/sweep roadway as needed during work and	NA at this time.

<b>Areas of Inspection</b>	Observation	Recommended Action	<b>Corrected Action</b>
	east of the roadway. This includes wetland crossings via culverts. Roadway remains free of sediment. Turbid water was noted flowing to controls on the site but this was largely due to the existing conditions of the adjacent agricultural fields. 2/5/08	monitor controls at wetland crossings. Continue to monitor and see erosion control section for details. 2/5/08	
Williams; S. Tumpike + Merritt Parkway; Mansion Rd.; Durham Rd.; Stony Brook; Carpenter Ln.; Pent Rd.; Oliver Creek Rd.	No sediment tracking was noted on any of these roadways and the adjacent areas appear stable. Stone construction entrance pads remain in place at entrances. 2/5/08	Continue to monitor entrances and sweep as needed. 2/5/08	NA
Pond Hill Rd. Docker Dr.	Exposed soils remain mulched and seeded off Pond Hill Rd. However, controls were not installed at wetlands. ATVs have also been causing ruts and disturbance in areas between Pond Hill Rd and Docker Dr. 12/4-2/5/08	Ensure that mulch cover is sufficient for winter stabilization. Add controls along the recently exposed areas within the wetlands as needed. Evaluate ways to keep ATVs out. Return for final stabilization in the growing season. 12/4-2/5/08	Needs evaluation.
Mansion Rd to Tuttle Ave.	A culvert remains in place to help prevent ponding in the access road. Water bars remain in place across the access road to slow and filter stormwater. 2/5/08	Monitor the area and add controls if needed. 2/5/08	NA
Old Farms Road	Plywood is being used on driveways crossing the ROW to reduce the impact from equipment. 12/18-2/5/08	Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/18-2/5/08	NA at this time
	Sediment from active work and tracking was noted on several driveways as well as Old	Add controls to CBs and sweep sediment as needed.	Sediment tracking needs some attention.
	Farms Rd. Add controls to CBs downgradient when working in the	Stabilize exposed soil in the active work area as soon as feasible. 2/5/08	More CB controls are needed.

<b>Areas of Inspection</b>	Observation	Recommended Action	<b>Corrected Action</b>
	area. 12/18-2/5/08  Drainage swale/ waterbar was installed at the low, saturated area along driveway (1/15). Turbid water was noted flowing to the roadway via this swale, and entering unprotected catch basins. 2/5/08	Additional controls are needed here, potentially haybale check dams along the swale. Receiving catch basins need controls. 2/5/08	Needs attention
	Equipment has damaged the access driveway for overhead work. (Since 1/8) New stone remains at the access driveway over the pavement to reduce tracking and run- off. 2/5/08	Remove stone upon completion of work and evaluate and repair the driveway as needed where damaged. 1/22-2/5/08	Needs evaluation and attention upon project completion.
	The previously hydroseeded area along the shoulder of the roadway is rutted and disturbed from vehicle access. 1/8-2/5/08	Re-grade ruts and restore the area. 1/8-2/5/08	Needs attention when feasible.
Old Farms Rd. (115kV Underground trench- work)	The edge of one homeowner's driveway that was damaged during construction still needs repair. 9/6-2/5/08	Sweep roadway as needed as long as work occurs in the area. Repair the damaged driveway. 9/6- 2/5/08	Needs attention.
	The 2 <sup>nd</sup> damaged driveway was repaired with asphalt. However, the damaged portion was originally a brick paver and should be consistent 9/6-2/5/08	Repair the driveway to the satisfaction of the landowner (e.g replace appropriate material). 9/6-2/5/08	Needs attention
Foundation and site construction	Contractors were installing poles and performing line work along the ROW off Old Farms Rd. 2/5/08	Watch for turbid runoff and sediment tracking on driveways and roadway. See access road and erosion control sections. 1/29-2/5/08	Needs attention.
Erosion and sediment controls Carpenter Ln. to Rt. 68	Clear water was noted within wetlands. Haybales within the ditch/outlet were knocked over and not	Ensure mulch cover is sufficient for winter stabilization. Provide additional attention in the spring to establish	Continue to expedite restoration here. Controls need attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	functioning properly. 2/5/08  ATV traffic was also noted in this area, damaging controls and leaving ruts. 1/16-2/5/08	vegetative cover. Replace and restake haybales. 2/5/08 Evaluate measures to keep ATVs out of the area.	
	Steep slope off High Hill Rd. has a small, eroded washout channel. ATV tracks were also noted disturbing the vegetative cover in this area. 12/4- 2/5/08	Evaluate measures to keep ATVs out of the area. Regrade and add controls as needed to the slope. Perform final slope stabilization in the growing season. 12/4-2/5/08	Needs evaluation and monitoring.
Durham Rd. Liney Hall Ln.	Controls remain intact along the access road and bridge south of Durham Rd. Timber mats and fiber rolls remain in place and a bridge is in place across Muddy Brook. Turbid run-off was being filtered by controls but has the potential to overwhelm them. 2/5/08	Monitor and add controls along the road or wetland as needed. Stabilize area impacted by timber mats. Additional or reinforced controls may be needed. 2/5/08	Monitor closely and increase controls as needed.
Williams Rd to East Center St.	Timber mats and silt fence remain in place at the Stony Brook site access. 2/5/08	Add controls as needed in this area. Stabilize soils when applicable. 2/5/08	NA
	A small detention basin remains here and is being used for a slurry dewatering area. Silt fence and a mulched berm are in place around the basin. 2/5/08	Monitor controls for effectiveness. 2/5/08	Controls appear to be working well.
Tamarack Swamp Rd.	A pad and foundation remain within wetlands with an adjacent area of standing water west side of roadway. Some encroachment has occurred both during installation and wire grounding. Controls were replaced around the sediment on 12/26, 2/5/08	Ensure that sediment from both encroachments is removed, not just encompassed, or determine if existing conditions are covered by the permit 12/26-2/5/08	Needs additional evaluation.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	Snowplows have pushed snow and a large amount of stone and sediment up to the controls at the wetland boundary during clearing. 1/8-2/5/08	See access road section and avoid pushing snow up to or within wetlands. 12/26-2/5/08 This is a large amount of material and should be pulled back to avoid encroachment. 1/8-2/5/08	Needs attention.
	Final foundations are drilled. Silt fence remains at the access road wetland crossings however, a section was down and needed repair. The adjacent, exposed farm fields were resulting in significant amounts of turbid run-off that were not associated with the project. 2/5/08	Continue to monitor controls installed adjacent to wetlands and used in drilling. Repair the small section of deteriorated controls and monitor for run-off associated with ROW activities. See access roads section. 2/5/08	Small section of silt fence needs attention.
Woodhouse Ave. Harrison Rd.	The previously seeded stockpile area off Woodhouse Ave. will not become (permanently) stable during winter. Vehicle tracks were noted in the reclaimed areas. 11/27- 2/5/08	Ensure sufficient stabilization for winter months. Avoid access once an area is temporarily or permanently stabilized. 11/27-2/5/08	NA at this time. Continue to monitor until the growing season
	Controls, including several large fiber rolls remain along the slope and at the sediment trap. Even though the large gully on the slope does not seem to be worsening, it ends at the stream and should be addressed. 9/25-2/5/08	Continue to monitor and adjust controls as needed. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2-2/5/08 Even though it is not worsening, the gully should still be repaired. 2/5/08	Gully needs evaluation/ attention but it has not changed size since controls were added.
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	Exposed areas remain mulched/seeded off Pond Hill Rd. However, ATVs continue to driving over controls and exposed soils creating ruts. 12/4-2/5/08	Add controls as needed along the edge of the wetlands until final stabilization is complete in the growing season. Monitor exposed areas. Additional measures may be needed to prevent ATV traffic and to stabilize soils through	Needs additional evaluation due to ATVs

Areas of Inspection	Observation	Recommended Action	Corrected Action
	Turbid water was noted ponding at the edge of the controls off Docker Dr. during rain events Large areas of exposed soils had previously been seeded but it appears most seed/mulch has washed away or been disturbed by ATVs. 11/6-2/5/08	winter. 12/4-2/5/08  Maintain controls. Additional mulch is needed this time of year to encourage stabilization Measures may be needed to prevent ATV traffic. 11/6-2/5/08  When thaw occurs and soils are exposed, provide stabilization as previously recommended. 2/5/08	Needs evaluation/ attention.
Old Farms Rd.	Turbid run-off was noted several times (since 11/6) from work near structure #24209, on the access roads, and roadway. A drainage swale was placed (since 1/16) to prevent run-off from the saturated driveway crossing however, turbid run-off was noted reaching the roadway and unprotected catch basins during this week's inspection. 2/5/08	Stabilize disturbed areas to the extent feasible. Additional controls are needed in the drainage area. Consider check dams along the swale or other alternatives. 2/5/08 CB liners have been removed for plowing. Controls need to be reinstalled as contractors are working in the area and turbid run-off is leaving the site. 2/5/08	Turbid run-off needs immediate attention.
	Soils remain stockpiled upgradient from wetlands onsite with controls in place at the base of the stockpile. However, the stockpile has the potential to overwhelm controls. 12/26-2/5/08	Temporarily stabilize soils in this active area as soon as possible. 12/26-2/5/08  Ensure that spoil piles are not stored within 100 feet of wetlands. 1/29-2/5/08	Stockpiles need evaluation.
Inland Wetland and Watercourse encroachment and mitigation	Jurisdictional wetlands can be accessed now that ACOE permit is in hand.  In accordance with the D&M Plan, all work occurring in and around wetlands should be expedited to minimize potential adverse impacts to wetlands and reduce disturbances to wetland soils. This includes attending to restoration of adjacent upland areas	Approved work in wetlands will follow the permit guidelines. 2/5/08  Final stabilization and reclamation efforts should occur in completed areas in and around wetlands. Any additional work needed in and around wetlands should be expedited to allow for final stabilization procedures to commence. Any stabilization at this	NA Needs to be evaluated.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	when work is complete. 2/5/08	time will have to account for winter months. 2/5/08	
	Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 2/5/08	This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 2/5/08	Needs to be monitored
Carpenter Ln. to Rte 68	Some of the timber mat staging areas remain in place within wetlands off Carpenter Ln. Disturbed areas were recently re- mulched and seeded. 2/5/08	Monitor for run-off. Continue to remove any staging areas from the wetlands as soon as feasible and monitor for sufficient stabilization through the winter: 2/5/08	Work should be expedited here.
Durham Rd. Liney Hall Ln.	Timber mats are in place at the wetland crossings in these sections and well installed bridges are in place for two larger stream channels. 2/5/08	Continue to monitor and add controls as needed.  Monitor the bridge surface for sediment tracking, 2/5/08	NA
Tamarack Swamp Road	Pad and adjacent controls remain within wetlands. In two separate occasions, during active work, sediment was pushed over controls into wetlands. Controls were replaced around the sediment each time but the encroachments were not removed. 12/26-2/5/08	Area is sensitive and should be monitored closely. Pull soil back before installing new controls, do not just encompass it. 12/4-2/5/08 Ensure that the potential encroachments are covered under the permit. 12/26-2/5/08	The encroachment needs evaluation
	Access road/ wetland crossings are now in place to the east. Controls are in place adjacent to the work however, some repairs are needed. 2/5/08	Monitor/repair controls and ensure they are sufficient to prevent run- off from the road to adjacent wetlands. Crossings need to be removed/restored when access is complete. 2/5/08	Small section of silt fence should be repaired.
Powers Rd. & Woodhouse Ave.	In the process of removing timber mats, sediment was pushed over some controls	Remove the stone from the wetlands to the extent feasible (recommended since 9/25) However,	Further attention is needed here during final stabilization.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	(8/28). Soils exposed by timber mat removal were seeded, but not all stone was removed from the wetland prior to seeding, (noted 9/25) Now the area has well-established grass cover. 10/10-2/5/08	crews continue to return here for line work, potentially disturbing the area again before final stabilization. 10/10- 2/5/08	
Mansion Rd to Tuttle Ave.	Several wetland crossings are in place. 2/5/08	Monitor and maintain new controls. Crossings will need to be restored when access needs are complete. 2/5/08	NA at this time.
Old Farms Rd.	Wetland clearing and crossing complete via an existing bridge and culvert. Disturbed areas were mulched and seeded. 2/5/08	Additional controls may be needed to prevent run- off from any soil disturbance. See access road and erosion control sections. 2/5/08	NA at this time.
State species of concern, threatened and endangered species.	A no entry sign remains near the potential vernal pool off Stony Brook Rd. as an appropriate alternative to construction fencing. 2/5/08	Continue to monitor area and retain distance from active work. 2/5/08	NA
Liney Hall Rd	Several frog and salamander egg masses were previously noted within prime amphibian breeding habitat, located off Liney Hall Ln. This is not a state listed species issue but indicates good amphibian breeding habitat. 2/5/08	Prevent turbidity and direct impacts to these areas to the extent feasible. 2/5/08	NA
Woodhouse Ave; Harrison Rd. Mansion Rd. to Tuttle Ave	Evidence of Eastern box turtles has been confirmed off Woodhouse Ave on 5/8/07 and in the section between Mansion Rd. and Tuttle Ave on 7/17/07. 2/5/08	Both areas should receive the same attention as known protected habitat area along the ROW. The dormant season began Nov. 1 <sup>st</sup> and sweeps for turtles are not required until active season begins in April. 2/5/08	NA at this time.
Vegetative clearing or stabilization	Vegetation was preserved in areas where invasive species were not	Retain vegetation where feasible; confirm that cutting is limited only to	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Most work areas Have been cleared	dominant. 2/5/08	areas defined in D&M plan. Be extremely mindful of the extent of clearing flags. 2/5/08	
	Work is complete, at least temporarily, in many areas along the route. However, crews continue working off Old Farms Rd. 2/5/08	The D&M states that areas should be temporarily stabilized if work will not return in 21 days. At this time, winter stabilization measures will be needed (including mulch w/binders or erosion control mats as needed). 12/4-2/5/08	Cretin areas need attention within timelines provided.
Woodhouse Ave and Harrison Rd.	As requested by state representatives and Siting Council staff, native shrubs were planted (9/18) in clusters to provide shading for Allen Brook. 2/5/08	Continue to monitor and replace shrubs if needed. 2/5/08	NA at this time.
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5) Pent Rd. & Oliver Creek Rd.	Some large areas of exposed soil off Docker Dr. had minor grass growth prior to winter, however; most of the previously applied seed/hay appears to have washed away and turbid run-off was resulting. 11/6- 2/5/08	See erosion control section. Apply additional mulch with binders or erosion control mats as applicable to encourage stabilization at this time of year. 11/20-2/5/08	Needs additional attention when snow cover is gone.
Old Farms Rd. (115kV Underground trench- work)	Soil remains exposed here as active work is occurring. 2/5/08 Previously hydroseeded areas along the shoulders of Old Farms Rd. also have ruts and disturbance. 12/26-2/5/08	See erosion control section. Encourage stabilization as soon as feasible wherever work is complete in this section. 2/5/08 Regrade the disturbed/rutted area and stabilize. 2/5/08	Some controls were installed but needs additional attention
	Clearing is complete across a stream. Mulch and seed were applied for temporary stabilization. 2/5/08	Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&M plan (20ft in this location). Be extremely mindful of the extent of clearing, 2/5/08	NA at this time.

<b>Areas of Inspection</b>	Observation	Recommended Action	<b>Corrected Action</b>
Dewatering	No active dewatering was observed but a well controlled slurry pit was in place off Stony Brook. 2/5/08	Remove and stabilize old dewatering pits as necessary, if dewatering is completed in the area. Maintain and use the dewatering pits as needed.2/5/08	NA at this time. Work should shift to restoration.
Blasting	No blasting is proposed. 2/5/08	None	NA
Spills, soils and material storage	Spill control materials are being brought to sites when work is performed. 2/5/08	Always use spill control materials when working on equipment and during refueling. Replace as needed. Check equipment daily for leaks and repair as soon as possible. 2/5/08	Needs regular attention.
All Active Sites	Many active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. 2/5/08	Monitor equipment closely for leaks as they move from site to site to prevent repeated problems. Always contain and control stockpiles as soon as possible. 2/5/08	Continue to monitor throughout construction.
	The leaking pump truck off Stony Brook Rd. has been removed and the soil affected by the drips had been cleaned. 2/5/08	Monitor equipment if moving to a different site for any additional problems. 2/5/08	Equipment and affected soils have been removed.
Old Farms Rd.	Soil continues to be stockpiled upgradient of the wetlands but controls remain in place. However the amount of soil has the potential to overwhelm the controls. 12/26-2/5/08	Keep storage materials away from wetlands. Remove soil when feasible. Ensure it is not within 100 feet of wetlands. See erosion control section. 12/26-2/5/08	Needs to be monitored
	It was confirmed by the contractor that the drill rig that leaked hydraulic fluid (noted 12/31) was not the same equipment used in the drilling noted last week. 2/5/08	In general, repair any leaking equipment as soon as possible and use spill controls until repairs can be made. 2/5/08	The previously leaking rig was not used during last week's inspection.
	A plastic tarp had been placed under the drill rig	Confirm the original spill and materials have been	Needs confirmation.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	while it was leaking (1/16). The spilled material had the potential to wash off to the ground. Due to active construction, we were not able to inspect whether the material was removed. 2/5/08	cleaned and removed. 2/5/08	
Additional Observations	None 2/5/08	None	

Next likely scheduinspection:	ıled Tuesday February 12, 2008	
and certify that based obtaining the informa and belief, and I unde	mined and am familiar with the information submitted in on reasonable investigation, including my inquiry of the ation, the submitted information is true, accurate and content and that any false statements made in this document in accordance with Section 22a-6 under Section 53a-15	ose individuals responsible for omplete to the best of my knowledge t or its attachments may be punishable
Field Inspector:	Matt Creighton, BSC Group	
Reviewer:	Diana Walden, BSC Group	



Carpenter Lane: Haybales have been knocked over at the wetland Outlet and should be righted and restaked. ATVs continue to damage controls and leave tracks in the wetlands.



Stony Brook: Pump truck and soil affected by the associated leaks have been removed from this area.



Durham Rd: Some run-off was noted but it is being filtered by control Additional controls may be needed as water levels have the potential to overflow/overwhelm them here.



Stony Brook: Slurry dewatering pit appears contained. Once drilling is complete, this area should be graded and stabilized.



Tamarack Swamp Rd (east): Small section of deteriorated silt fence needs repair:



Old Farms Rd: Turbid run-off from access driveway and driveway crossings was entering CBs that did not have controls in place.



Tamarack Swamp Rd (east): Turbid run-off was observed flowing from the exposed farm fields and into the project's existing controls. However, the turbid water is not associated with the project.



Old Farms Rd: Turbid water noted flowing down the drainage channe at the saturated driveway crossing and onto the roadway. Evaluate alternatives such as haybale check dams.