

**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:** May 30, 2007

**Inspector:** Matthew Creighton

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

**Rainfall:** No precipitation was recorded in the week prior to inspection (NOAA data at Meriden, CT).

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Access roads and adjacent roadways</b>	<b>Timber mats are in place at wetland crossings and staging areas. 5/30/07</b>	<b>See Erosion Control Section for more details 5/30/07</b>	<b>Not applicable (NA)</b>
<b>Carpenter Ln. to Rte 68</b>	<b>South of Carpenter Ln, timber mat &amp; stone staging areas remain within wetlands. 5/30/07</b>	<b>Add controls as needed along the wetlands See the erosion control section. 5/30/07</b>	<b>NA.</b>
	<b>A culvert was recently installed at a small access road stream crossing to reach several new pad sites between High Hill Rd. and Carpenter Ln. The channel was dry at this time. 5/30/07</b>	<b>Add controls as needed along the new access road. Monitor stream for sediment. Wetland crossings will need to be restored at the end of the project. 5/30/07</b>	<b>NA at this time</b>
<b>Liney Hall Ln.</b>	<b>New section of access road installed with a culvert crossing at the wetland. 5/30/07</b>	<b>Monitor new access road and add controls as needed. 5/30/07</b>	<b>The culvert was installed carefully with no sedimentation noted</b>
<b>Williams Rd. to East Center St. Stony Brook Rd.</b>	<b>Equipment has disturbed a mowed area at the access off Williams Rd. Exposed soil was noted. 5/15- 5/30/07 New access road installation was noted. 5/30/07</b>	<b>Regrade disturbed area and seed/stabilize. Monitor for erosion and sediment tracking in the roadway. 5/30/07</b>	<b>Lawn area needs restoration when feasible.</b>
	<b>Access road and pad sites in place moving north from Stony Brook Rd. Exposed soil at Williams</b>	<b>Add controls as needed to protect the undisturbed portion of the adjacent wetland. See erosion</b>	<b>Needs attention</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Powers Rd.	<p>Rd. crossing did not appear to be fully contained adjacent to a wetland area (noted since 4/24). 5/30/07</p> <p>A timber/corduroy crossing remains in the wetland for clearing crew access. 5/30/07</p>	<p>control section. 4/24-5/30/07</p> <p>Continue to monitor and ensure road is maintained to support equipment. 5/30/07</p>	<p>NA</p>
S. Turnpike + Merritt Parkway Area; Mansion Rd.; Powers Rd. & Woodhouse Ave.; Durham Rd.; Liney Hall Ln.; Stony Brook; Carpenter Ln.; Pent Rd.; Oliver Creek Rd., High Hill Rd.	<p>No sediment tracking was noted on any of these roadways and the adjacent areas appear stable. Stone construction entrance pads remain in place at most. 5/30/07</p>	<p>Continue to monitor entrances and sweep as needed. Also, continue to monitor the slope at S. Turnpike for additional wash-outs or run-off issues. 5/30/07</p>	<p>NA</p>
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	<p>New clearing stopped for now, between I 91 to Rte 5. Several wetland crossings involved but appropriate crossing techniques were not observed. Some wet areas have since dried out. 5/30/07</p>	<p>Limit pond crossing and impacts to the extent feasible. Add controls and appropriate crossing measures. 5/30/07</p>	<p>Needs attention/evaluation.</p>
Old Farms Road	<p>Plywood is being used to reduce impact to the driveways crossing the ROW from equipment crossing. Two driveways have some minor marks from equipment. 12/27/06-5/30/07</p> <p>No run-off from the low, saturated spot (filled during access road construction) noted during this inspection. In the past, turbid run-off has been observed reaching Old Farms Rd and entering a CB, flowing directly to receiving wetlands off-site at one driveway. 5/30/07</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/27/06-5/30/07</p> <p>Monitor run-off and hydrology in the area and add controls as needed. 12/18/06-5/30/07 Evaluate whether pre-existing drainage patterns were altered during construction. It appears run-off diversion is necessary. 2/21-5/30/07</p>	<p>Plywood is used to protect driveways from equipment damage (proactively).</p> <p>No immediate issues; needs future evaluation and attention.</p>
Old Farms Rd. (115kV Underground trench-work)	<p>Some loose asphalt “crumbling” is still noted</p>	<p>Arrangements to re-pave and finish the road</p>	<p>Needs regular attention and evaluation.</p>



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<p>Rd.</p> <p>S. Turnpike + Merritt Parkway Area</p> <p>Mansion Rd. Apple Orchard</p> <p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Clearing along edge of a stream off Oliver Creek Rd. No controls installed. 5/30/07</p> <p>No new work was noted off South Turnpike. 5/30/07</p> <p>Access roads and staging areas are in place. 5/30/07</p> <p>Chain link fencing remains in place as a protective measure around an open pit left at the location where the underground line will eventually transition to overhead. 5/30/07</p>	<p>section. 5/30/07</p> <p>See erosion control section. 5/30/07</p> <p>See erosion control section. 5/30/07</p> <p>Monitor and maintain fence as needed. 5/30/07</p>	<p>NA</p> <p>NA</p> <p>NA</p>
<p>Erosion and sediment controls</p> <p>High Hill Rd. to Rt. 68</p> <p>Carpenter Lane</p>	<p>Silt fence and haybales adjacent to the wetland near High Hill Rd. entrance are in disrepair. (noted 3/6) A line of new haybales remains in place to reinforce the controls. Turbid water was flowing through during the recent heavy rains but was not noted this week. 5/30/07</p> <p>The new pad site upgradient of the wetland crossing now has hay and seed along the slopes and filter socks installed. 5/30/07</p> <p>Hydroseed remains on the exposed soil of portions of the graded staging areas/slopes and grass growth continues. 5/30/07</p> <p>Controls were in place within wetlands at staging areas south of Carpenter Ln. Slurry run-off and sediment accumulation had reached the line of</p>	<p>Inspect and maintain silt fence/haybales as needed. Remove/replace existing degraded controls and monitor for run-off. 4/20-5/30/07</p> <p>Monitor for vegetative cover or erosion issues and adjust controls as needed. 5/30/07</p> <p>Monitor for vegetative cover and adjust controls as needed. 5/30/07</p> <p>Remove slurry/sediment from wetlands where it is greater than 2" deep and restore the area to promote vegetative cover. 5/8-5/30/07</p>	<p>Needs evaluation and attention.</p> <p>Controls added to the new pad site.</p> <p>Grass growth continues.</p> <p>Needs attention.</p>

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<b>Durham Rd.</b>	<b>haybales at the wetland at one of the foundation locations. 5/8-5/30/07</b>  <b>Haybales in place along wetland near site entrance. No run-off noted. 5/30/07</b>	<b>Monitor and add controls as needed. 5/30/07</b>	<b>NA</b>
<b>Liney Hall Ln.</b>	<b>A culvert was installed at a small stream. No sediment issues noted. 5/30/07</b>	<b>Monitor and add controls along the road as needed if run-off is noted. 5/30/07</b>	<b>NA at this time</b>
<b>Williams Rd to East Center St.; Stoney Brook Rd.</b>	<b>Some timber mats and silt fence were in place north of the Stony Bk. Rd. access. However, exposed fill from access road grading does not appear to be fully controlled. 4/17-5/30/07</b>  <b>Exposed soil remains where timber mats had been at the stream crossing and wetlands off Williams Rd. Clear water run-off was noted but controls are needed to protect the undisturbed portion of the wetlands. 5/2-5/30/07</b>  <b>According to the D&amp;M plans, a potential vernal pool is located in this area but determined to be over 300 feet from the work. 5/30/07</b>	<b>Remove sediment build up from controls and add controls as needed to encompass all exposed soil. 5/8- 5/30/07</b>  <b>Add appropriate controls between the exposed soil and the undisturbed portion of wetlands. 5/2-5/30/06</b>  <b>See state listed species section for more details 5/30/07</b>	<b>Needs evaluation</b>  <b>Needs attention and evaluation</b>  <b>Signs will be installed. The potential pool is well away from active work.</b>
<b>Powers Rd. &amp; Woodhouse Ave.</b>	<b>A small riprap diversion moves run-off around the timber mats, through a riprap channel flowing off-site and into silt fence barriers 5/30/07</b>  <b>New clearing within wetlands moving northeast off Powers Rd. Timber/corduroy roads used to cross the wetland. No controls were in place</b>	<b>Monitor controls for effectiveness. Clean sediment from riprap as needed. 5/30/07</b>  <b>Add controls and stabilize area as soon as possible to reduce turbid run-off to sensitive areas. 5/30/07</b>	<b>NA.</b>  <b>Needs evaluation and attention.</b>

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<p><b>Woodhouse Ave; Harrison Rd.</b></p>	<p><b>at crossings. 5/22-5/30/07</b></p> <p><b>Erosion controls remain along the stone pad at the wetland edge off Woodhouse Ave. The stone is stressing the silt fence and a section of it was crushed, however, run-off was not observed in the wetland 4/3-5/30/07</b></p> <p><b>Clearing complete in this section to the small stream crossing and along a steep slope. Hay and seed remain along the disturbed slope. 5/30/07</b></p>	<p><b>Monitor and maintain controls. Add controls as needed. 4/3-5/30/07</b></p> <p><b>Monitor for vegetative cover and adjust controls as needed. 5/30/07</b></p>	<p><b>Needs some proactive attention</b></p> <p><b>Hay and seed used for stabilization upgradient from the stream.</b></p>
<p><b>Pond Hill Rd. &amp; Docker Dr.</b> (I 91 – Rte. 5)</p>	<p><b>Minor clearing complete. Larger tree removal is scheduled, including through sections of wetlands. Controls and crossing measures are needed before equipment returns. 5/30/07</b></p>	<p><b>Add controls to protect wetlands. Monitor pond and reduce impacts from crossing to the extent feasible. 5/30/07</b></p>	<p><b>Needs attention/evaluation</b></p>
<p><b>Pent Rd. &amp; Oliver Creek Rd.</b></p>	<p><b>New clearing along a bank to a river in the Quinnipiac floodplain. No controls were added but stumps/roots were retained. 5/30/07</b></p>	<p><b>Upon completion of clearing add controls as needed and stabilize sloped areas. Continue to retain vegetation and avoid disturbing soil. Monitor river closely. 5/30/07</b></p>	<p><b>Needs to be monitored.</b></p>
<p><b>S. Turnpike + Merritt Parkway Area</b></p>	<p><b>The slope did not have any new erosion issues. The silt fence along the base of slope remains intact. 5/30/07</b></p>	<p><b>Monitor access road slope for future washout or erosion issues, add controls/diversions if needed 5/30/07</b></p>	<p><b>NA</b></p>
<p><b>Mansion Rd.</b></p>	<p><b>An existing riprap slope and culvert are present near the entrance from the road. Controls remain intact. 5/30/07</b></p>	<p><b>Continue to monitor and adjust controls in this area. Clean sediment as needed. Evaluate whether a run-off diversion is needed. 5/30/07</b></p>	<p><b>Continue to evaluate.</b></p>
<p><b>Mansion Rd. Apple Orchard</b></p>	<p><b>Small sections of silt fence are in place strategically at run-off points and near wetlands</b></p>	<p><b>Continue to monitor and adjust controls as needed. Repair fallen section of silt fence and remove</b></p>	<p><b>Needs regular maintenance.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Old Farms Rd. (Equipment Storage Area)</b></p> <p><b>Old Farms Rd. (115kV Underground work)</b></p>	<p><b>points and near wetlands. Run-off was contained by controls. Some sections need minor repair and sediment accumulation was noted. 3/13-5/30/07</b></p> <p><b>The equipment storage yard off Old Farms Rd. no longer appears active. Silt fence is in disrepair in some spots. 4/17-5/30/07</b></p> <p><b>Roadway was recently swept and most of the asphalt “crumbles” have been removed but the patch continues to deteriorate. 5/8-5/30/07</b></p> <p><b>Exposed soil and excess fill material were noted on the overhead ROW near the transition point. 4/3-5/30/07</b></p>	<p><b>silt fence and remove sediment when feasible. 2/21-5/30/07</b></p> <p><b>If work will not return, remove the silt fence and any remaining construction materials 4/17-5/30/07</b></p> <p><b>Continue to remove asphalt as it breaks up along the roadway until area can be repaved. 3/27-5/15/07 Repave as soon as possible as the patch is deteriorating, 4/17-5/30/07</b></p> <p><b>Remove or place controls around the extra materials and temporarily stabilize the soil here. 4/3-5/30/07</b></p>	<p><b>Needs attention when feasible.</b></p> <p><b>Needs regular maintenance.</b></p> <p><b>Needs attention</b></p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p> <p><b>Carpenter Ln. to Rte 68</b></p>	<p><b>Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 3/7/07</b></p> <p><b>Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 5/30/07</b></p> <p><b>Timber mat staging areas in place within wetlands off Carpenter Ln. and several foundations were being installed. Sediment was noted within controls, accumulating at the wetland edge. 5/8-5/30/07</b></p> <p><b>Turbid run-off at the wetland crossing south of the High Hill Rd entrance</b></p>	<p><b>Approved work in wetlands will follow the permit guidelines. 5/30/07</b></p> <p><b>This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 5/30/07</b></p> <p><b>Add controls as needed in this area. Remove sediment from wetlands before removing controls. Monitor for run-off 5/8-5/30/07</b></p> <p><b>Continue to replace/ reinforce the controls and monitor wetlands for</b></p>	<p><b>NA</b></p> <p><b>Needs to be monitored</b></p> <p><b>Needs attention.</b></p> <p><b>Continue to evaluate</b></p>

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<p><b>Liney Hall Ln.</b></p> <p><b>Williams Rd</b></p> <p><b>Powers Rd. &amp; Woodhouse Ave.</b></p> <p><b>Woodhouse Ave. to Harrison Rd.</b></p> <p><b>Pond Hill Rd. &amp; Docker Dr.</b> (I 91 – Rte. 5)</p> <p><b>Pent Rd. &amp; Oliver Creek Rd.</b></p>	<p><b>was not an issue this week but is a problem during heavy rains. 5/30/07</b></p> <p><b>Timber mats used to cross a small stream and access wetlands. A culvert and permanent road will be installed. 5/30/07</b></p> <p><b>A culvert and permanent road have been installed in the wetland. 5/30/07</b></p> <p><b>Exposed soil remains adjacent to wetlands off Williams Rd. after timber mats were removed. 5/8-5/30/07</b></p> <p><b>A timber/corduroy road is being used to cross wetlands for new clearing off Powers Rd. 5/22-5/30/07</b></p> <p><b>Clearing within wetlands completed by hand and trees were winched out to reduce impacts to wetlands. 5/30/07</b></p> <p><b>New clearing and access through two wetlands and a small dry pond. Stream near Rte 5 was clear. 5/30/07</b></p> <p><b>Clearing occurring along the bank of the Quinnipiac River and within the floodplain. Stumps and roots were retained. 5/30/07</b></p>	<p><b>impacts See erosion control section. 5/30/07</b></p> <p><b>Monitor controls and add more as needed. The culvert construction will have to be controlled carefully. 5/30/07</b></p> <p><b>Monitor controls and add more as needed. 5/30/07</b></p> <p><b>See erosion control section. Controls are needed here. 5/8-5/30/07</b></p> <p><b>See erosion control section. 5/30/07</b></p> <p><b>Continue reducing impacts to wetlands to the extent feasible. 5/30/07</b></p> <p><b>See erosion control and access road sections. 5/30/07</b></p> <p><b>See erosion controls section. Retain as much vegetation as feasible and reduce soil disturbance. Add controls and stabilize as needed. 5/30/07</b></p>	<p><b>NA at this time.</b></p> <p><b>Culvert installed with no sediment issues noted at this time.</b></p> <p><b>Needs attention</b></p> <p><b>Needs evaluation</b></p> <p><b>NA</b></p> <p><b>Needs to be monitored.</b></p> <p><b>Stumps were retained. Needs to be monitored.</b></p>
<p><b>State species of concern, threatened and endangered species.</b></p> <p><b>Stoney Brook Rd.</b></p>	<p><b>According to the D&amp;M plans, a potential vernal pool is located here. After discussing the site, it was agreed signs should be placed as an alternative to fencing as the pool is</b></p>	<p><b>Add “no entry” signs around the vernal pool, at the 25-foot buffer line. Continue to maintain a distance from the active work. 5/30/07</b></p>	<p><b>Signs will need to be installed.</b></p>

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<p><b>Liney Hall Rd;</b></p>	<p><b>located over 300 feet from any active work. 5/30/07</b></p> <p><b>Several frog and salamander egg masses were noted within a pool located off Liney Hall Ln. This is not a state listed species issue but indicates good amphibian breeding habitat. 5/30/07</b></p> <p><b>According to the D&amp;M plan, state-listed species are not located in the current work areas. However, an Eastern box turtle was accidentally crushed by equipment in the new ROW clearing off Woodhouse Ave. (5/8/07) This area was not marked as a potential area for Eastern box turtles according to the D&amp;M plan, DEP response letter and NDDDB website. 5/30/07</b></p>	<p><b>Prevent turbidity and direct impacts to these areas to the extent feasible. 5/30/07</b></p> <p><b>Now that the Eastern box turtle has been discovered in this area, it should receive the same attention as known protected habitat area along the ROW. Sweeps for turtles should be performed regularly in this area before equipment progresses. 5/30/07</b></p>	<p><b>NA</b></p> <p><b>The turtle observation was reported appropriately and sweeps should now be performed.</b></p>
<p><b>Vegetative clearing or stabilization</b></p> <p><b>Most work areas</b></p> <p><b>Williams Rd to East Center St.</b></p> <p><b>Powers Rd. Pond Hill Rd. &amp; Docker Dr. (I 91 – Rte. 5)</b></p>	<p><b>Vegetation was preserved in areas where invasive species were not dominant. Several more weeks of work will be required to complete clearing. 5/30/07</b></p> <p><b>Clearing is largely complete within/ adjacent to wetlands. Trees are being removed from the site. Some areas of exposed soil need controls. 5/30/07</b></p> <p><b>Clearing is largely complete within and adjacent to wetlands, and wetland crossings are necessary in these areas. Larger tree clearing is scheduled at Pond Hill. 5/30/07</b></p>	<p><b>Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&amp;M plan. Be extremely mindful of the extent of clearing flags. 5/30/07</b></p> <p><b>Continue to retain appropriate vegetation as applicable. Add controls as needed within wetlands. See erosion control section 5/30/07</b></p> <p><b>See erosion control section. Continue to use low impact techniques in these areas. 5/30/07</b></p>	<p><b>NA</b></p> <p><b>Needs evaluation and attention</b></p> <p><b>Needs evaluation.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Woodhouse Ave.; Harrison Rd.</p> <p>Pent Rd. &amp; Oliver Creek Rd.</p>	<p>No new clearing in this area since last week. Some exposed areas remain seeded and mulched. 5/30/07</p> <p>Clearing &amp; chipping underway and almost complete. Stumps and roots were retained along the river bank. 5/30/07</p>	<p>Monitor for vegetative cover on the steep slope. Continue to reduce impacts to the stream and to the turtle habitat. See wetland section for more detail. 5/30/07</p> <p>See erosion controls section. Continue to use low impact techniques in these areas. 5/30/07</p>	<p>NA at this time.</p> <p>Stumps and roots retained.</p>
<p>Dewatering</p>	<p>Dewatering was required at the foundations installed south of Carpenter Ln. and will be required when pouring the final foundation. Some slurry did migrate to the line of controls at the wetland. 5/8-5/30/07</p>	<p>Monitor dewatering closely and remove slurry accumulation from wetlands. Maintain adequate controls when dewatering. See erosion control section. 5/8-5/30/07</p>	<p>Needs evaluation and attention.</p>
<p>Blasting</p>	<p>No blasting is proposed. 5/30/07</p>	<p>None</p>	<p>NA</p>
<p>Spills, soils and material storage</p> <p>Old Farms Rd. (Equipment Storage Area)</p>	<p>Spill control materials are being brought to sites when work is performed. Small drips have been noted in several work areas along the ROW. 5/30/07</p> <p>The storage yard for the underground work off Old Farms Rd. is no longer active 5/30/07</p>	<p>Always use spill control materials when working on equipment and during refueling. Replace as needed. Check equipment daily for leaks and fix as soon as possible. 5/30/07</p> <p>If storage yard will no longer be used, remove silt fence and small asphalt stockpile. 5/2-5/30/07</p>	<p>Needs evaluation.</p> <p>Area should be restored</p>
<p>Additional Observations</p>	<p>A landowner off Williams Rd. removed stumps, graded land, and has created several soil stockpiles including one with debris within and around wetlands. (The landowner has his own equipment.) Small drips from this equipment were also noted. (Noted 5/22/07)</p> <p>An area identified with</p>	<p>None. Noted for the record on 5/22/07</p> <p>Access road construction</p>	<p>NA</p> <p>Continue to monitor</p>





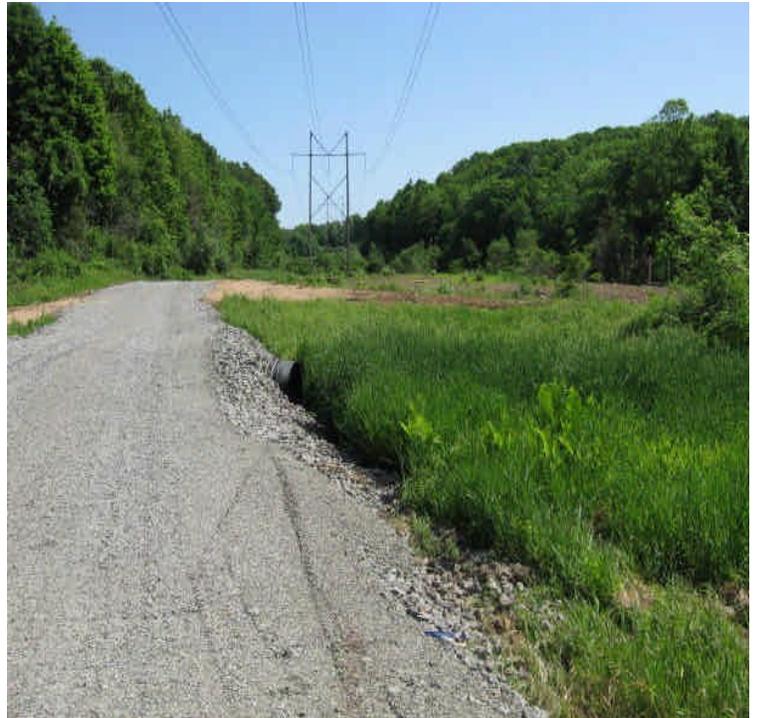
**The foundation is in place within the wetland edge off Carpenter Lane. Place a filter sock between the exposed soil and the undisturbed portion of the wetland.**



**Slurry and sediment from a foundation had reached the edge of the wetland and accumulated here against the haybales. Sediment over 2" deep should be carefully removed from the wetland by hand.**



**pad site installed upgradient from a wetland crossing off High Hill Rd. Controls (filter socks) were added at the base of slope.**



**New access road installed with culvert off Liney Hall Lane. Monitor and install controls along the road if run-off is noted.**



**Timber mat staging area off Liney Hall Lane. Controls were added at the edge of the work area.**



**Controls are needed at wetlands off Powers Road where clearing and access are occurring.**



**Dry pond off Pond Hill Road. Mowing complete in this area but tracking remains. Install appropriate crossing measures if further access is needed.**



**New clearing was noted along the banks of the Quinnipiac River. Continue to leave roots/stumps in place to stabilize soil and reduce disturbance. Add controls as needed.**