

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** April 12, 2006

**Inspector:** Diana Walden

**Location:** 345kV Underground Route

**Storm/**

**Rain Event:** Approximately 0.57" of precipitation was recorded over 4/7-4/8 as reported by NOAA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Vault Openings and Trench Construction	- An open vault excavation remains near Wilton Corporate Park on Rt. 7. 3/9-4/12/06	- Some further attention is needed here. See erosion control section. 4/12/06	-Silt fence was placed at the stockpile but was not toed in.
	- Several areas of bare soil were present along Rt. 7 but other construction projects are also ongoing. 2/2-4/12/06	- Continue providing good "house- keeping" along the roadways. Full restoration will be required when work is completed. 2/2-4/12/06	- Restoration is occurring and needs to continue.
	- Excavation continues at the site at School Rd to connect up with HDD bore. Some areas were backfilled but disturbed soil and stockpiles remain. 4/12/06	- Further restoration will be necessary after the adjacent work is complete. See additional sections for more details. 4/12/06	-N/A until work is complete
	- Some work was noted at the HDD exit point on Rt. 7. 4/12/06	- See erosion control section for more details. 4/12/06	-N/A
	- Areas near the Georgetown Deli on Rt. 107 are in good shape. 4/12/06	- See erosion controls section for more details. 4/12/06	-N/A
	- Crews continue work at the Umpawaug Rd./ Diamond Hill Rd. intersection. 4/12/06	- See other sections for more details. 4/12/06	-N/A
		-Some attention is needed	- N/A

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<ul style="list-style-type: none"> <li>- Active work was also noted on Diamond Hill Rd. near Granite Ridge Rd. 4/12/06</li> <li>-A number of vaults were being accessed along the route as well. 4/12/06</li> </ul>	<ul style="list-style-type: none"> <li>here. See erosion control section. 4/12/06</li> <li>- None at this time. Include these areas as part of the restoration. 4/12/06</li> </ul>	-N/A
<p>Erosion and Sediment (E&amp;S) Controls</p> <p><b>Route 7</b></p>	<ul style="list-style-type: none"> <li>- The silt fence at the old high school J&amp;B site remains in fairly good shape but is starting to come down at the culvert. 3/9-4/12/06</li> <li>- Stone and hay remain on the outlet slope will still need to be removed for final stabilization. 1/19-4/12/06</li> <li>- At the HDD, controls remain fairly well in place as excavation continues in the area, however further sediment accumulation was noted in the channel beyond the basin. 4/6-4/12/06</li> <li>- Vegetation was affected and soil within the wetland was disturbed from the breakout repair. This is in the area beyond the basin and controls. 2/9-4/12/06</li> <li>-The combination of offsite dewatering and muds from the site led to sediment accumulation in the wetland beyond the check dams and to the east of the basin. 2/16-4/12/06</li> <li>- The exit point of the bore remains set up with erosion controls along the perimeter of the area. 2/22-4/12/06</li> <li>- Work had returned to this</li> </ul>	<ul style="list-style-type: none"> <li>- Controls should be maintained as long until the area is fully stabilized. The whole work site will need restoration 3/9-4/12/06</li> <li>-The remaining instream controls will also need to be removed once the slope has been restored. 1/26-4/12/06</li> <li>- Final restoration will occur when the work in the area is complete, but more immediate attention is suggested for the sediment in the wetland. 4/6-4/12/06</li> <li>- A restoration plan should be proposed and implemented and may include some plantings. In the meantime, disturbed soil is temporarily controlled by silt fence. 3/9-4/12/06</li> <li>-The accumulated sediment should be removed as soon as feasible and prior to the growing season. 3/9-4/12/06</li> <li>- Continue to monitor erosion controls while the connecting work can occur. 4/12/06</li> </ul>	<ul style="list-style-type: none"> <li>- This will likely not occur until trenching is complete in this area but look at sediment issues soon</li> <li>- Plan to attend to this in the growing season</li> <li>- Needs to be done when conditions are stable- sooner than later.</li> <li>- N/A at this time</li> </ul>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Erosion and Sediment (E&S) Controls  <b>Route 7 continued</b>	<p>area and although haybales appeared to be placed during work hours, they were being removed during inactive times. 4/12/06</p> <p>- While the area is well controlled now, an earlier breakout resulted in sedimentation to an area of ponded water down gradient of the return site near the railroad tracks.</p>	<p>- Since adjacent soil is disturbed, catch basin controls should remain at all times, not just active work hours. 4/12/06</p> <p>- Contractors are waiting until the water recedes in order to go in and remove the sediment. 2/16-4/12/06</p>	
	<p>- Protection measures should be installed at the storm inlet in Racquet club since work is in proximity. 2/2-4/12/06</p> <p>- An open vault excavation remains at Wilton Corp Park. The stockpile was placed with silt fence but it was not toed in. 4/12/06</p> <p>- Trenching was noted into Norwalk Junction several weeks ago and large stockpiles were present near the swales. 4/12/06</p> <p>- The storage area near #848 (Rt.7) is still highly utilized. 1/4-4/12/06</p> <p>- Machinery was also noted closer to the wetlands than necessary. 3/9-4/12/06</p> <p>- Landowner activities here are also directly affecting wetlands, including placing sediment closer to the wetland swales. 3/15-4/12/06 This was recently noted to affect the project erosion controls – sediment was piled over the silt fence. 4/6-4/12/06</p>	<p>- Water from the street seems to be more of an issue than water from the site but controls would still be appropriate. 3/2-4/12/06</p> <p>- Controls should be toed in or they won't be effective. Continue to watch the adjacent catch basin. 4/12/06</p> <p>- All soil was restored fairly quickly. None at this time. 4/12/06</p> <p>- Continue to monitor activity in here. Watch placement of project materials and equipment in the vicinity of the surrounding swale. 12/8-4/12/06</p> <p>- The sediment placement and landowner activities are outside of project jurisdiction, but it is affecting project controls. Consider reinstalling controls or discuss with landowner. 4/6-4/12/06</p>	<p>- Silt fence was placed but it was not toed in.</p> <p>- Contractors have backfilled the soil piles appropriately with no resulting sedimentation.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Rt. 107 Daywork</b>	<ul style="list-style-type: none"> <li>- Ruts from equipment access had been noted in the island at the Rt. 107 &amp; 7 intersection leading to sedimentation near an inlet. 2/2-4/12/06</li> <li>- At the Georgetown Deli, adjacent areas are well restored and on the way to stabilization and erosion controls appear appropriate. 4/12/06</li> </ul>	<ul style="list-style-type: none"> <li>- Work was also recently noted here. Protect catch basins and restore the island. 4/6-4/12/06</li> <li>-Keep controls maintained until the area is fully revegetated. 4/12/06</li> </ul>	-Controls appear appropriate
<b>Umpawaug Rd.</b>	<ul style="list-style-type: none"> <li>- A stockpile and small storage yard remain in place. 2/2-4/12/06</li> </ul>	<ul style="list-style-type: none"> <li>- Remember to restore these areas when feasible 2/2-4/12/06</li> </ul>	- N/A
<b>Diamond Hill Rd.</b>	<ul style="list-style-type: none"> <li>- Controls were in place for active work continued on Umpawaug /Diamond Hill intersection. 4/12/06</li> <li>-Active work was occurring near Granite Ridge Rd and roadside silt fence here did not appear to be toed in. 4/12/06</li> </ul>	<ul style="list-style-type: none"> <li>- Controls appeared to be in good shape here but continue to monitor due to an adjacent stream. 4/12/06</li> <li>-Silt fence should be toed in along this work area due to adjacent wetlands. 4/12/06</li> </ul>	-N/A
<b>Adjacent Wetlands and Waterways</b>	<ul style="list-style-type: none"> <li>-At the jack and bore near Allens Meadow Park, the outlet slope will need final restoration. 1/19-4/12/06</li> <li>-The breakout described at the HDD resulted in direct access and impact to the wetland beyond the basin in order to contain the muds. 2/9-4/12/06</li> <li>- Wetlands directly to the east and south of the basin have sediment accumulation that will require removal. 1/19-4/12/06 Additional accumulation was also noted the week of 4/6/06</li> </ul>	<ul style="list-style-type: none"> <li>-Plan to remove stone and haybales and instream controls for final restoration. 1/19-4/12/06</li> <li>- A restoration plan should be implemented for the wetlands beyond the basin, potentially including plantings in the spring. 2/16-4/12/06</li> <li>- Sediment buildup should be removed carefully by hand where it is thicker than an inch. This should occur sooner than later as the growing season has already begun. 3/9-4/12/06</li> </ul>	

Areas of Inspection	Observation	Recommended Action	Corrected Action
	-The soil surface of the HDD yard appears to be composed of the subsoil layer rather than the original topsoil layer due to the intensive excavation here. 4/12/06	-When excavation is complete here, the restoration may require addition of topsoil with a high organic component to promote good revegetation. 4/12/06	
Staging, Storage, and Parking Areas	<p>- The equipment storage yard on the property south of the Rt. 7 &amp; 107 intersection was mostly contained. 1/26-4/12/06</p> <p>- Stone piles and machinery are being placed increasingly closer to the surrounding wetland swales. 1/26-4/12/06</p> <p>- Disturbance is mostly due to landowner activities. 3/15-4/12/06 The landowner is also excavating and placing sediment on project controls. 4/6-4/12/06</p> <p>- The racquet club storage yard has piles of stone and soil. Protective measures still need to be placed in the inlet/swale here. 2/2-4/12/06</p>	<p>- In general, materials should be placed appropriately in storage areas or immediately adjacent to work each night. No potentially spillable materials should be left behind.</p> <p>- Equipment should not be placed near resource areas. 3/9-4/12/06</p> <p>- Repair project controls if feasible even though land owner activities were responsible. 4/12/06</p> <p>- Keep within the limits of the yard and don't encroach into the brush. 10/27-4/12/06 Install haybales at the culvert within the swale. 2/2-4/12/06</p>	-N/A
Soils	- Most soils on roadways on the project route are being trucked to a waste facility in Danbury for storage and eventual disposal. Soils off roadway can be returned to the trench.	<p>- Soils appear to be handled appropriately. 4/12/06</p> <p>- Continue to make sure stockpiles are backfilled to the trench by the end of each day. 2/2-4/12/06</p>	N/A at this time
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A	-N/A

Areas of Inspection	Observation	Recommended Action	Corrected Action
Vegetative clearing limits (including trees to save or danger trees noted)	<p>- Now that weather is getting warmer, restoration/ stabilization attempts at a number of bare roadside areas should occur. 3/23-4/12/06</p> <p>-A number of bare soil areas remain in addition to the areas where some restoration efforts were noted. 3/29-4/12/06</p> <p>- Some erosion was noted in previously restored areas such as near Scribner Hill Rd. 1/4-4/12/06</p>	<p>- Attend to disturbed areas as feasible in the appropriate time frames. 11/10-4/12/06</p> <p>-Other utility projects are ongoing as well making it difficult to coordinate efforts. 3/29-4/12/06.</p> <p>-Repair erosion in these areas in the spring when the area can stabilize. 1/4-4/12/06</p>	Restoration efforts were noted, Continue to restore
Dewatering	<p>- No major dewatering efforts were noted. 4/12/06</p> <p>-Significant ground water was noted within the School Rd site excavations. 3/29-4/12/06</p>	<p>- See other sections for details. 4/12/06</p> <p>-If dewatering is needed, evaluate the controls that will be needed to prevent further sedimentation. 4/12/06</p>	-N/A
Blasting	- No blasting is occurring on site at this time.	- None at this time.	N/A
Spills and Material Storage	- In general, make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. 4/12/06	<p>- The contractors should remain vigilant about securing and handling fuel containers.</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid</p>	-N/A
		<p>leaks) if they will be used or stored on site. - Check equipment status on a regular basis and keep spill kits on hand.</p> <p>- Report spills immediately, even if they are being controlled.</p>	
Additional Observations			

**Next likely scheduled  
inspection:**

Thursday April 20, 2006

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.

**Inspector's Signature:**

Diana Walden





345kV (Diamond Hill-Umpawaug): Photo on the left shows road plate/trench covers on Diamond Hill Rd. Adjacent erosion controls will need to be toed in along the road due to wetlands in close proximity. Photo on the right shows work at the Umpawaug Rd. intersection. 4/12/06



345kV (Georgetown Deli) Photo on the left shows where the small stockpile was removed from the lot. Photo on the right shows the bank controls well in place. 4/12/06





345kV (Rt 107) Photo shows an overview to the north of Georgetown Deli where grass is growing well and the area is stabilizing. 4/12/06



345kV (Rt 7-HDD) Photo on the left shows a view towards School Rd. where one of the excavation areas was backfilled. Photo on the right is a view of an open excavation remaining in the yard here. 4/12/06





The photo on the left shows a view of the wetland area beyond the basin to the south where sediment accumulation still needs to be removed. Photo on the right shows a view of the wetlands to the east of the basin where sediment still needs to be removed. 4/12/06



Photo on the left shows silt fence up at the stockpile near the Wilton Corporate Park but it was not toed in. Photo on the right shows the perimeter of Norwalk Junction where 345kV trenching occurred several weeks ago. The resulting stockpiles and excavations were effectively backfilled. 4/12/06