

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: July 19, 2006

Inspector: Diana Walden

Location: 345kV Underground Route

Storm/

Rain Event: Between 0.13-0.53” of rain was recorded on 7/18 with possible localized totals over 1” as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrective Action
Vault Openings and Trench Construction	- Most work areas along Rt. 7 are being restored but a few bare areas remain. 7/19/06	- Continue providing good “house- keeping” along the roadways. Full restoration will be required when work is completed. 2/2-7/19/06	-Restoration continues at this time.
	-A number of vaults continue to be accessed along portions of the route for internal work (pulling/splicing cable). 4/12-7/19/06	- Include these areas as part of the restoration efforts when access is complete. 4/12-7/19/06	-N/A
	- Active work continues at the Rt 7 and 107 intersection and along a few locations along Rt 7. 7/19/06	- It should be confirmed that catch basins in the area have controls. See erosion control section. 7/19/06	- Needs attention if not already addressed.
	- Drilling equipment is in the process of demobilizing from the new HDD site in Georgetown. Much of the bore is complete. Large stockpiles remain here. 7/19/06	- A bermed asphalt pad remains in place to contain equipment in the Gilbert & Bennett lot. Continue to monitor the area. 6/14-7/19/06	- N/A
	- The exit point for the HDD is located at Church St. Work is ongoing here. 7/5-7/19/06	- None at this time. Ensure all muds remain contained to the project. 7/5-7/19/06	- N/A at this time

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<p>Erosion and Sediment (E&S) Controls</p> <p>Route 7</p>	<p>- Grass growth increased at the high school J&B as well moving north towards Allen's Meadow. 6/20-7/19/06</p> <p>- At the School Rd. HDD, areas along the perimeter wetlands remain in good shape. Grass was growing very well in the area adjacent to the southern wetlands. 6/29-7/19/06</p> <p>- Vegetative cover is not establishing as quickly in the mulched area to the east as the expectation was that wetland species would return naturally. The silt fence here is also beginning to wash down. 7/19/06</p> <p>-The channel still looks good following the sediment removal with fairly clear standing water and aquatic vegetation. 7/19/06</p> <p>- The silt fence near the swale on Old Danbury Rd. was repaired. There are several stockpiles in place upgradient here. 7/19/06</p> <p>- Some growth was noted on the slope near the HDD exit point and the area adjacent to the roadside was reseeded. 7/19/06</p> <p>- The vault at Wilton Corp Park did not have active work at the time. 7/19/06</p>	<p>- Continue to monitor for stabilization. The restoration efforts appear to be more successful this time. 7/19/06</p> <p>- The site look very well restored but the soil surface remains soft. Continue to monitor for stabilization. 7/19/06</p> <p>- Continue to monitor for vegetative cover. Repair and reinforce the controls to avoid the fence getting pushed down. 7/19/06</p> <p>- Continue to monitor for final stabilization. 7/5-7/19/06</p> <p>-Grade and restore the area as soon as possible to remove the potential for erosion. 7/19/06 Also consider removing accumulated sediment in the swale. 7/12-7/16/06</p> <p>-Continue to monitor for stabilization. 7/5-7/19/06 The landowner here had several requests.</p> <p>-The vault area will need to be restored when access needs are complete. 6/20-7/19/06</p>	<p>- Growth continues</p> <p>-N/A at this time</p> <p>-Needs attention</p> <p>-N/A at this time.</p> <p>-Silt fence was repaired.</p> <p>- Look into landowner concerns</p> <p>-Restore when access is complete</p>

Areas of Inspection	Observation	Recommended Action	Corrective Action
<p>Erosion and Sediment (E&S) Controls</p> <p>Route 7 continued</p> <p>Rt. 107</p> <p>Umpawaug Rd. And Diamond Hill Rd.</p> <p>Norwalk Junction</p>	<p>- Landowner activities near the storage area near #848 (Rt.7) are also directly affecting wetlands, including placing sediment on the banks of the swales. 3/15-7/19/06</p> <p>- Previously, catch basins near the Rt. 107 & 7 intersection did not appear to have filters/controls in place in the catch basins and has been disturbed for several months prior to work returning here last week 7/12-7/19/06</p> <p>- At the Georgetown Deli J&B, vegetative growth continues at all of the restored areas and the boulders are holding up well. 7/19/06</p> <p>- At the new HDD site (Gilbert & Bennett lot) along the Norwalk River, the bermed asphalt pad continues to contain the area including several stockpiles. Equipment is getting ready to demobilize. 7/19/06</p> <p>- Some topsoil was noted piled near recently accessed vault areas. This may be in preparation to restore the area. 7/5-7/19/06</p> <p>-Some stone was noted within the eroded swales along the sides of the roadway. 7/19/06</p> <p>- Significant sediment had accumulated in the swale as a result of dewatering. 7/5-</p>	<p>-The sediment placement and landowner activities are outside of project jurisdiction. 4/6-7/19/06</p> <p>- Confirm that adjacent catch basins are protected and restore the island when access is complete. 4/6-7/19/06</p> <p>-Due to the sandy soils, EC mats are installed here to promote stabilization. Continue to monitor 5/31-7/19/06</p> <p>- Continue to monitor controls, especially in the corner of the site as run-off will concentrate here. All soil is contained. 7/19/06</p> <p>- Place controls if the pile will remain and continue to restore any remaining areas. 7/5-7/19/06</p> <p>- Continue to evaluate and confirm the project work was not responsible (ie change in grade, run-off patterns.)</p> <p>- The swale had been cleaned once but it needs to occur again. 7/5-</p>	<p>-N/A</p> <p>- Needs attention</p> <p>- Vegetative growth continues</p> <p>-N/A at this time</p> <p>- Topsoil was brought in but needs attention</p> <p>-Stone was added to the gullies</p> <p>- Needs attention</p>

Areas of Inspection	Observation	Recommended Action	Corrective Action
	7/19/06	7/19/06	
Adjacent Wetlands and Waterways	-Adjacent areas of wetland were restored around the HDD site but revegetation is occurring somewhat slowly in the naturally restoring area 7/12/06	-Continue to monitor for vegetative cover and stabilization. Repair controls as needed- see erosion control section. 7/19/06	- N/A
Staging, Storage, and Parking Areas	<p>- The equipment storage yard on the property south of the Rt. 7 &107 intersection was mostly contained. 1/26-7/19/06</p> <p>- Disturbance is mostly due to landowner activities. 3/15-7/19/06</p> <p>- Some efforts to clean up the area were noted. 7/19/06</p> <p>- The storage area along Rt 7 across from Old Highway Rd is still in use. 7/19/06</p> <p>- The racquet club storage yard has a pile of sandbags stored here. Stormwater had been seen running to the swale on site. 6/7-7/19/06</p> <p>- Equipment and materials are also being stored off Rt 7 before the Rt 33 turn. 6/14-7/19/06</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. Equipment should not be placed near resource areas.</p> <p>- Even though this is an active site, provide good housekeeping when feasible. 5/4-7/19/06</p> <p>- The area is fairly well contained but control disturbed soil if necessary. Continue good housekeeping here. 7/19/06</p> <p>- Install haybales at the culvert within the swale in an attempt to filter run-off. 2/2-7/19/06</p> <p>- Keep areas contained and avoid encroachment into the tree line 6/14-7/19/06</p>	<p>-N/A at this time</p> <p>-May need attention</p> <p>- Needs attention</p> <p>-Continue to monitor</p>
Soils	<p>- 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> <p>- A few stockpiles were</p>	<p>- Soils appear to be handled appropriately. 7/19/06</p> <p>- Continue to make sure any stockpiles are backfilled to the trench by the end of each day. 2/2-7/19/06</p> <p>- Grade and restore as</p>	<p>N/A at this time</p> <p>- Needs attention</p>

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	<p>noted near Old Danbury Rd. 7/12-7/19/06</p> <p>- A few small piles of topsoil were noted along the route in preparation for restoration. 7/5-7/19/06</p>	<p>soon as feasible to reduce potential of erosion. 7/19/06</p> <p>- Make sure controls are placed at the piles. 7/5-7/19/06</p>	<p>- Needs attention</p>
<p>State species of concern, threatened and endangered species</p>	<p>- No species of concern are located in this area of construction.</p>	<p>- N/A</p>	<p>-N/A</p>
<p>Vegetative clearing limits (including trees to save or danger trees noted)</p>	<p>-The restoration efforts (seeding and mulching) in several locations along Rt 7 resulted in good grass cover. 7/19/06</p> <p>-Vault areas along Umpawaug Rd. will likely be restored soon. 7/5-7/19/06</p> <p>- Grass growth was increasing at the seeded areas at the HDD. 7/19/06</p> <p>- New growth continues at the mats near Georgetown Deli. 7/19/06</p> <p>- Some restoration was noted along Rt 7 near Ring's End lumber. 7/5-7/19/06</p>	<p>-Continue restoration: other projects are ongoing as well, making it difficult to coordinate efforts. 3/29-7/19/06.</p> <p>-Restore where necessary after vault access. 5/10-7/19/06</p> <p>-Monitor for final stabilization. 7/19/06</p> <p>-Continue to monitor for final stabilization. 7/19/06</p> <p>- Continue to monitor. 7/19/06</p>	<p>Restoration efforts were successful in several locations.</p> <p>-Topsoil delivery was noted over a week ago</p> <p>- Grass was growing</p> <p>- N/A</p> <p>- N/A</p>
<p>Dewatering</p>	<p>- Dewatering had been occurring at the new HDD. Any water with silt or slurry is being directed to a frac tank. In the past, runoff has pooled but was contained by the asphalt pad. 7/5-7/19/06</p> <p>-Groundwater here has been laboratory tested and is within permit criteria for discharge. 7/12-7/19/06</p>	<p>- Continue to provide controls and keep silt controlled. 7/19/06</p> <p>- Continue to be diligent about testing the water in this area. 7/19/06</p>	<p>- N/A</p>
<p>Blasting</p>	<p>- No blasting is occurring on site at this time.</p>	<p>- None at this time.</p>	<p>N/A</p>

Areas of Inspection	Observation	Recommended Action	Corrective Action
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. 7/19/06	- The contractors should remain vigilant about securing and handling fuel containers. - Continue to keep all vehicles maintained well (i.e. no apparent fluid	-N/A
		leaks) if they will be used or stored on site. - Check equipment status on a regular basis and keep spill kits on hand. - Report spills immediately, even if they are being controlled.	
Additional Observations	- The invasive species Phragmites was noted growing back at the School Rd HDD site. This had been present prior to work here and will be difficult to prevent. 7/12-7/19/06 - The landowner at the limousine service (Old HDD exit point) had several requests regarding some restoration issues around his property. 7/19/06	-Continue to monitor and attempt to keep establishment from occurring in new areas. - These were reported to NU and the contractor. 7/19/06	- Should be evaluated.

Next likely scheduled inspection:

Wednesday July 26, 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 (Old Danbury Rd) Photo on the left shows where the silt fence was repaired. Large stockpiles had been placed here as well. Grade and restore as soon as possible to remove potential for erosion. Photo on the right shows a stone dust past into the area. 7/19/06



(HDD Exit) Photo shows a view of the area along the road at the limo service parking lot that has been restored with seed and mulch. Photo on the right shows the restored slope looking towards the bore exit. The landowner here has some requests. 7/19/06



(School Rd HDD) Photo on the left shows the grass growth continuing within the restored HDD site. Photo on the right shows well -established vegetation in the area adjacent to the wetland. 7/19/06



Photo on the left shows the mulched area on the eastern side of the site. Vegetative cover is taking a while to establish here in the expectation that wetland species would return. Photo on the right shows the controls in place to filter run-off before it enters the channel. Silt fence is beginning to wash down here. Reinforce when feasible. 7/19/06



Photo on the left shows the channel along the eastern side of the site with fairly clear standing water and aquatic vegetation returning. (Georgetown HDD) Photo on the right shows a view of the asphalt pad with no run-off issues to the adjacent river 7/19/06



Photo on the left shows a view of the operations and equipment at the HDD site with resulting stockpiles. (Umpawaug Rd): Photo on the right shows a topsoil stockpile along the roadway. This vault area remains to be restored. 7/19/06