

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: May 31, 2006

Inspector: Ann Schwenzer

Location: 345kV Underground Route

Storm/

Rain Event: Only a trace of rain had been reported by NOAA since the previous inspection.

Areas of Inspection	Observation	Recommended Action	Corrective Action
Vault Openings and Trench Construction	- Several areas of bare soil were present along Rt. 7 but other construction projects are also ongoing. 2/2-5/31/06	- Continue providing good “house- keeping” along the roadways. Full restoration will be required when work is completed. 2/2-5/31/06	- Restoration is occurring and needs to continue.
	- Disturbed soil and stock-piles remain at School Rd at the HDD site. The area will be graded soon. Adjacent active work was still noted. 5/10-5/31/06	- Further restoration will be necessary after the adjacent work is complete. See additional sections for more details. 4/12-5/31/06	-Attention is still needed soon- especially sediment issues
	- Equipment and work remains near the exit point of the bore and Old Danbury Rd 5/31/06	- See erosion control section for more details. 5/31/06	-N/A
	- Vaults were being accessed along Umpawaug Rd. in order to proof them and pull cable. 5/17-5/31/06	- See other sections for more details. 5/31/06	- N/A
	-A number of vaults continue to be accessed along other portions of the route for internal work as well. 4/12-5/31/06	- None at this time. Include these areas as part of the restoration efforts. 4/12-5/31/06	-N/A
	- Active work continues		

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	adjacent to the access drive of Norwalk Junction and along Rt 7 past the turn. 5/31/05	- See other sections for recommendations 5/31/06	- Needs attention.
<p>Erosion and Sediment (E&S) Controls</p> <p>Route 7</p>	<p>- Recent rains disturbed the straw and seed that had been placed at the high school J&B. 4/26-5/31/06 Grass continues to grow but it's still patchy. 5/25-5/31/06</p> <p>- Continue to monitor the outlet slope on the bank for vegetation and stabilization. 5/17-5/31/06</p> <p>- At the HDD, controls continue to degrade and turbid water continues to pass under all the silt fence barriers. 5/17-5/31/06</p> <p>-Sediment accumulation continues to worsen in the wetland to the east of the basin as more water has been on site. 2/16-5/31/06 Some silt had been removed but water continues to wash under all of the silt fence barriers. 5/17-5/31/06</p> <p>- Even though effort was made to remove sediment from beyond the basin, the washouts to the east, reintroduced silt in some of the channels. 5/25-5/31/06</p> <p>- The basin area remains disturbed with stockpiles and asphalt rubble. 5/17-5/31/06</p> <p>-Concrete washouts were</p>	<p>- Further restoration is needed here, especially since silt fence was removed from the bank. Additional topsoil is probably needed. 4/19-5/31/06</p> <p>-None at this time. 5/17-5/31/06</p> <p>- Final restoration will occur in the near future as the basin will be graded and controls will be replaced. This needs to happen sooner than later. 5/10-5/31/06</p> <p>-The accumulated sediment (over 6" in some areas) will need to be removed by hand to the extent feasible while attempting to avoid existing wetland vegetation. 5/10-5/31/06 All washed out controls need repair immediately 5/17-5/31/06</p> <p>- Make additional efforts to remove sediment here in the channels due to the new accumulation 5/25-5/31/06</p> <p>- This basin grading and restoration is supposed to be performed soon. Make sure the asphalt is removed daily 5/17-5/31/06</p> <p>-Continue to monitor for</p>	<p>- Still needs attention</p> <p>-N/A</p> <p>-Still needs attention, sooner than later</p> <p>-Still needs attention ASAP</p> <p>-Still needs attention ASAP Haybales will be installed</p> <p>- Needs attention</p> <p>- Still needs attention.</p> <p>- Needs attention</p>

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<p>Erosion and Sediment (E&S) Controls</p> <p>Route 7 continued</p>	<p>not noted this week but a designated spot was also not observed. 5/31/06</p> <p>- Controls are in good shape along the disturbed slopes adjacent to Old Danbury Rd. 5/31/06</p>	<p>this issue and designate an area for containment. 5/25-5/31/06</p> <p>- The slopes along the constructed swale will be stabilized with erosion control mats when work is complete. 5/10-5/31/06</p>	<p>-NA.</p>
<p>Rt. 107</p>	<p>- The backfilled vault at Wilton Corp Park appears to have been graded and partially seeded. 5/31/06</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. 3/15-5/31/06</p> <p>- Ruts from equipment access had been noted in the island at the Rt. 107 & 7 intersection leading to sedimentation near an inlet. 2/2-5/31/06</p> <p>- At the Georgetown Deli J&B work is ongoing to roll out erosion control mats over the bank and the washout at the base. 5/31/06</p> <p>- The stream slope immediately north of the Deli was repaired with EC mats. Boulders were in place to stabilize the second area. 5/31/06</p> <p>- More hay and seed were added on the streambank to the south as well and a piece of EC mat was installed above the culvert. 5/31/06</p>	<p>-The remainder of the disturbed area needs temporary stabilization until access needs are complete. 5/31/06</p> <p>-The sediment placement and landowner activities are outside of project jurisdiction. 4/6-5/31/06</p> <p>- Protect catch basins and restore the island if access is complete. 4/6-5/31/06</p> <p>-Due to the sandy soils, EC mats are installed here to promote stabilization. 5/31/06</p> <p>- Continue to monitor the efforts. 5/31/06</p> <p>-Continue to monitor for stabilization. 5/31/06</p>	<p>-Needs attention when access needs</p> <p>-N/A</p> <p>-Needs attention</p> <p>- EC mats were being installed</p> <p>- EC mats were well in place and boulders were ready for installation</p> <p>- The area was further restored and EC mats were placed.</p>

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<p>Umpawaug Rd. And Diamond Hill Rd.</p> <p>Norwalk Junction</p>	<p>- Vault access continues along Umpawaug Rd. Haybales were in place near #79 Umpawaug. 5/31/06</p> <p>- Asphalt debris was left in a few piles at this location while work is ongoing. 5/25-5/31/06</p> <p>-Disturbed soil and small stockpiles are present adjacent to the swale so erosion controls should be in place. 5/31/06</p>	<p>-These areas will need to be restored when access needs are complete even though adjacent areas are restored well. 5/31/06</p> <p>- Make sure to pick up the piles when work is done in this area- provide good housekeeping. 5/25-5/31/06</p> <p>- Controls should be added along the swale as long as stockpiles are here. 5/31/06</p>	<p>- Needs attention when access is done</p> <p>- N/A until work is complete in the area</p> <p>-Needs attention</p>
<p>Adjacent Wetlands and Waterways</p>	<p>-The breakout described at the HDD resulted in direct access and impact to the wetland beyond the basin in order to contain the muds. 2/9-5/31/06</p> <p>- Wetlands directly to the east of the basin continue to have worsening sediment accumulation over 6" that will require removal. 1/19-5/31/06</p> <p>-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 and some areas of wetland are within the silt fence work limits. 4/12-5/31/06</p> <p>- Stream bank stabilization is occurring around the Georgetown Deli. 5/31/06</p>	<p>- The disturbed area will be smoothed out and allowed to revegetate. Wetland seed mix is also being considered. 5/10-5/31/06</p> <p>- Sediment buildup should be removed carefully by hand to the extent feasible. 3/9-5/31/06</p> <p>- Restoration will consist of grading out the basin and berm and placing topsoil with a high organic component to promote good re-vegetation. Certain portions will be allowed to return to wetland vegetation while the remainder will be used for school parking. 5/31/06</p> <p>- See EC sections for details. 5/31/06</p>	<p>- Still needs attention</p> <p>-Still needs attention ASAP</p> <p>-Restoration still needs to occur shortly</p> <p>- This is being attended</p>
<p>Staging, Storage, and Parking Areas</p>	<p>- The equipment storage yard on the property south of the Rt. 7 &107 intersection was mostly contained. 1/26-5/31/06</p> <p>- Disturbance is mostly due to landowner activities.</p>	<p>- In general, materials should be placed appropriately in storage areas or immediately adjacent to work each night. No potentially spillable materials should</p>	<p>-A portion of the area was restored</p>

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	<p>3/15-5/31/06</p> <ul style="list-style-type: none"> - Debris was being piled here as well. 5/4-5/31/06 - The small storage area along Rt 7 across from Old Highway Rd is still in use 5/31/06 - The racquet club storage yard appears to be under clean-up. 5/10-5/31/06 - Additional blocks and piles of asphalt were also noted at the HDD and should be cleaned up. 5/4-5/31/06 	<p>be left behind. Equipment should not be placed near resource areas. 3/9-5/31/06</p> <ul style="list-style-type: none"> - Even though this is an active site, provide good housekeeping and remove when feasible. 5/4-5/31/06 - The area is fairly well contained. Continue good housekeeping here. 5/4-5/231/06 - Install haybales at the culvert within the swale if necessary. 2/2-5/31/06 - The asphalt spoil from each night is placed here but is supposed to be removed shortly. Remember to remove all asphalt upon restoration of the area. 4/26-5/31/06 	<ul style="list-style-type: none"> - Still needs attention -N/A - The yard is being straightened up -Restoration should occur sooner than later if feasible
Soils	<ul style="list-style-type: none"> - 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. 	<ul style="list-style-type: none"> - Soils appear to be handled appropriately. 5/31/06 - Continue to make sure stockpiles are backfilled to the trench by the end of each day. 2/2-5/31/06 	N/A at this time
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> - No species of concern are located in this area of construction. 	- N/A	-N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> -A number of bare soil areas remain along Rt 7 where restoration efforts should continue. 3/29-5/31/06 - The area at the Wilton Corp Park vault could use temporary restoration 5/31/06 -Restoration efforts are largely complete along 	<ul style="list-style-type: none"> -Other utility projects are ongoing as well making it difficult to coordinate efforts. 3/29-5/31/06. -Vault access will be necessary but stabilize the area temporarily within D&M guidelines. 5/31/06 -Continue to restore where necessary after vault access. Grass is 	<ul style="list-style-type: none"> Restoration efforts were noted. Continue to provide. -Needs attention when feasible -Needs attention in vault areas

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	<p>Umpawaug Rd. 5/10-5/31/06</p> <p>-It may be difficult to promote vegetative growth at the HDD, and Wilton HS due to the sandy soil surface following excavation. 4/26-5/31/06</p>	<p>starting to grow in many areas. 5/10-5/31/06</p> <p>-Areas should be placed either with topsoil for full stabilization. 5/17-5/31/06</p>	<p>- Still needs attention</p>
Dewatering	<p>- Water was noted flowing from the HDD site under the silt fence barriers into the wetland. 5/17-5/31/06</p> <p>- Some dewatering was noted on Umpawaug Rd. for vault access. 5/25/06</p>	<p>- Sediment from site is being deposited in the wetland and needs to be better controlled. 5/17-5/31/06</p> <p>- See erosion control section. 5/25/06</p>	<p>- Needs attention ASAP</p>
Blasting	<p>- No blasting is occurring on site at this time.</p>	<p>- None at this time.</p>	<p>N/A</p>
Spills and Material Storage	<p>- In general, make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. 5/31/06</p>	<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>	<p>-N/A</p>
	<p>- Additional concrete washouts were not noted at the HDD site but continue to monitor as a containment area was not noted either. 5/31/06</p>	<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> <p>-Continue to monitor. 5/31/06</p>	<p>- NA at this time</p>
	<p>- The drip spot seen last week at Norwalk Junction was no longer noted. 5/31/06</p>	<p>-Continue to monitor equipment status. 5/31/06</p>	<p>- NA at this time</p>
Additional Observations			

Next likely scheduled

inspection: Wednesday June 7, 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 for Ann Schwenger*



345kV (HDD) Photo shows where water has been flowing directly under the silt fence and depositing more sediment into the eastern wetland next to the basin. This will have to be picked up by hand again. 5/31/06



(Route 7): Photo on the left shows the basin at the HDD which will be graded shortly. Some surrounding areas should be restored as wetlands with new controls installed between them and the

parking area. Photo on the right shows the Wilton HS with some patchy areas of grass growing. The



surface will have to be re-stabilized. 5/31/06

Photo on the left shows some of the debris areas at the active storage yard near the Rt 7/Rt 107 intersection. Straighten up the area when feasible. Photo on the right shows where the stream slope just south of the Georgetown Deli has additional mulch and seed. 5/31/06



(Georgetown Deli): Photo shows where erosion control mats were placed above the culvert at the stream crossing. 5/31/06



Photo on the left shows where erosion control mats will continue to be re-installed over the washout area in the stream. Photo on the right shows boulders stockpiled and ready to be installed in the streambank for stabilization. 5/31/06



Photo shows where erosion control mat installation was completed along the stream bank in this previously eroded spot. 5/31/06