

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 26, 2006

Inspector: Diana Walden

Location: 345kV Underground Route

Storm/

Rain Event: Approximately 3.6” of rain was recorded over 4/22-4/23 as reported by NOAA. However, there were local, unconfirmed reports of over 5”.

Areas of Inspection	Observation	Recommended Action	Corrective Action
Vault Openings and Trench Construction	- An open vault excavation remains near Wilton Corporate Park on Rt. 7. 3/9-4/26/06	- Some further attention is needed here. See erosion control section. 4/26/06	
	- Several areas of bare soil were present along Rt. 7 but other construction projects are also ongoing. 2/2-4/26/06	- Continue providing good “house- keeping” along the roadways. Full restoration will be required when work is completed. 2/2-4/26/06	- 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. 4/12-4/26/06	- Further restoration will be necessary after the adjacent work is complete. See additional sections for more details. 4/12-4/26/06	-N/A until work is complete but it will need attention
	- Work continues at the HDD exit point on Rt. 7. and adjacent to the road to the commuter rail. 4/19-4/26/06	- See erosion control section for more details. 4/26/06	-N/A
	- Restoration work was noted along Umpawaug Rd. but trench work appears complete. 4/26/06	- See other sections for more details. 4/26/06	-N/A
	-A number of vaults	- None at this time.	- N/A

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	continue to be accessed along the route for internal work as well. 4/12-4/26/06	Include these areas as part of the restoration. 4/12-4/26/06	
<p>Erosion and Sediment (E&S) Controls</p> <p>Route 7</p>	<p>- The silt fence at the old high school J&B site was removed but it was done prematurely due to the lack of stabilization. 4/19-4/26/06</p> <p>-Recent rains washed out the straw and seed that had been placed. 4/26/06</p> <p>- Stone and hay were not removed from the outlet slope but still need to be in order to achieve final stabilization. 1/19-4/26/06</p> <p>- At the HDD, controls remain fairly well in place as excavation continues in the area, however further sediment accumulation remains in the channel beyond the basin. 4/6-4/26/06</p> <p>- Vegetation was affected and soil within the wetland was disturbed from the breakout repair beyond the basin and controls. 2/9-4/26/06 The silt fence was pushed over due to the recent rains and more sediment escaped. 4/26/06</p> <p>-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. 2/16-4/26/06 This increased due to the recent heavy rains. 4/26/06</p> <p>- Active work is occurring</p>	<p>- The site is not stable enough to have removed the fence. Equivalent controls should be placed along the bank. 4/19-4/26/06</p> <p>-These materials and the leftover instream controls must also be removed for the area to be determined complete. 1/26-4/26/06</p> <p>- Final restoration will occur when the work in the area is complete, but more immediate attention is suggested for the sediment in the wetland. 4/6-4/26/06</p> <p>- A restoration plan should be proposed and implemented and may include some plantings. In the meantime, disturbed soil is temporarily controlled by silt fence. 3/9-4/26/06</p> <p>-The accumulated sediment should be removed as soon as feasible, esp. since the growing season is underway 3/9-4/26/06</p> <p>- Consider installing silt</p>	<p>-Mulch and seed were placed but the area still needs attention</p> <p>-Still needs attention</p> <p>- This will likely not occur until trenching is complete in this area but look at sediment issues soon</p> <p>-Needs a plan in place</p> <p>- Needs to be done when conditions are stable- sooner than later.</p> <p>- Needs attention</p>

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Erosion and Sediment (E&S) Controls	beyond the bore exit and a disturbed slope was present at the road to the commuter rail. Silt fence was placed along one side of a small stream channel but sedimentation was still noted because of the recent rain. 4/26/06	fence on the other side of the channel to prevent sediment to the stream. 4/26/06	
<p>Route 7 continued</p> <p>Rt. 107 Daywork</p> <p>Umpawaug Rd. And Diamond Hill Rd.</p>	<ul style="list-style-type: none"> - An open vault excavation remains at Wilton Corp Park. The stockpile is present and sediment had washed and was tracked to the street. 4/12-4/26/06 - The storage area near #848 (Rt.7) is still highly utilized. 1/4-4/26/06 - Landowner activities here are also directly affecting wetlands, including placing sediment closer to the wetland swales. 3/15-4/26/06 -Project silt fence was repaired as recommended. 4/26/06 - Ruts from equipment access had been noted in the island at the Rt. 107 & 7 intersection leading to sedimentation near an inlet. 2/2-4/26/06 - At the Georgetown Deli the recent rains washed out an area at the base of the slope and some erosion was noted near the guardrail. 4/26/06 - The storage yard at the Rt 107 intersection was graded and silt fence removed but 	<ul style="list-style-type: none"> -The adjacent catch basin should have controls due to the sediment reaching the street. This area needs some controls 4/12-4/26/06 - Continue to monitor activity in here. Watch placement of project materials and equipment in the vicinity of the surrounding swale. 12/8-4/26/06 -The sediment placement and landowner activities are outside of project jurisdiction. 4/6-4/26/06 - Protect catch basins and restore the island. 4/6-4/26/06 -More seed may be needed here to encourage vegetative growth and the erosion should be checked for stability. 4/26/06 - Either stabilize the surface with mulch and seed or restore the silt fence. 4/26/06 	<ul style="list-style-type: none"> - Still needs attention -N/A -N/A -Silt fence was repaired -Needs attention -Needs attention -Needs attention.

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Archers Lane	<p>it was not stable yet. 4/26/06</p> <p>- Restoration- straw and seed- were noted on most of the roadway shoulders and slopes on Umpawaug Rd. and Diamond Hill. Silt fence was removed from these locations. 4/26/06</p> <p>- The slopes along the AL access drive where 345kV trenching had occurred remain bare. 4/26/06</p>	<p>- Continue to restore the vault area which was being accessed at the time and any other remaining areas. 4/26/06</p> <p>- Determine jurisdiction and restore slopes here if applicable. 4/26/06</p>	<p>-Restoration was almost complete</p> <p>Needs attention</p>
Adjacent Wetlands and Waterways	<p>-At the jack and bore near Allens Meadow Park, the outlet slope still needs final restoration. 1/19-4/26/06</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. 2/9-4/26/06</p> <p>- Wetlands directly to the east and south of the basin have sediment accumulation that will require removal. 1/19-4/26/06 Additional accumulation was also noted this week following the heavy rains 4/26/06</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. 4/12-4/26/06</p>	<p>-Plan to remove stone and haybales and instream controls for final restoration. 1/19-4/26/06</p> <p>- A restoration plan should be implemented for the wetlands beyond the basin, potentially including plantings in the spring. 2/16-4/26/06</p> <p>- 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. 3/9-4/26/06</p> <p>-When excavation is complete here, the restoration may require addition of topsoil with a high organic component to promote good wetland revegetation. 4/12-4/26/06</p>	<p>Needs attention</p> <p>-Needs attention</p> <p>-Needs attention</p> <p>-Needs attention when excavation is complete</p>
Staging, Storage, and Parking Areas	<p>- The equipment storage yard on the property south of the Rt. 7 &107 intersection was mostly contained. 1/26-4/26/06</p>	<p>- In general, materials should be placed appropriately in storage areas or immediately adjacent to work each</p>	<p>-N/A</p>

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	<p>- Disturbance is mostly due to landowner activities. 3/15-4/26/06</p> <p>- Project controls/silt fence were repaired even though the landowner is responsible. 4/26/06</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. 2/2-4/26/06</p> <p>- Frac tanks and equipment were stored at the HDD. It was also noted that asphalt spoil was dumped here. 4/26/06</p>	<p>night. No potentially spillable materials should be left behind. Equipment should not be placed near resource areas. 3/9-4/26/06</p> <p>- None at this time. 4/26/06</p> <p>- Install haybales at the culvert within the swale. 2/2-4/26/06</p> <p>- Remember to remove asphalt upon restoration of the area. Work should be moving towards stabilization. 4/26/06</p>	<p>-Silt fence was repaired.</p> <p>-Needs attention</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>- Soils appear to be handled appropriately. 4/26/06</p> <p>- Continue to make sure stockpiles are backfilled to the trench by the end of each day. 2/2-4/26/06</p>	N/A at this time
State species of concern, threatened and endangered species	<p>- No species of concern are located in this area of construction.</p>	- N/A	-N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<p>-A number of bare soil areas remain, especially along Rt 7 where restoration efforts should continue. 3/29-4/26/06</p> <p>- Some erosion was noted in previously restored areas such as near Scribner Hill Rd. 1/4-4/26/06</p> <p>-Significant restoration efforts were noted along Umpawaug Rd. 4/26/06</p>	<p>-Other utility projects are ongoing as well making it difficult to coordinate efforts. 3/29-4/26/06.</p> <p>-Repair erosion in these areas in the spring when the area can stabilize. 1/4-4/26/06</p> <p>-Continue to restore where necessary 4/26/06</p>	<p>Restoration efforts were noted. Continue to provide.</p> <p>-Restoration is ongoing</p>

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	-It may be difficult to promote vegetative growth at the HDD and Wilton HS due to the sandy soil surface following excavation. 4/26/06	-Consider need for full topsoil restoration in order to stabilize the areas. 4/26/06	-Needs attention
Dewatering	- No major dewatering efforts were noted. 4/26/06 -Significant ground water was noted within the School Rd site excavations. Frac tanks are present here. 4/26/06	- See other sections for details. 4/26/06 -If dewatering is needed, evaluate the controls that will be needed to prevent further sedimentation. 4/12-4/26/06	-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. 4/26/06	- 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			

Next likely scheduled inspection:

Thursday May 4, 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 (Archers Lane): Photo on the left shows the restored area of the lawn of the property adjacent to the access drive. Photo on the right shows where some minor sediment was able to migrate through the stone wall. Consider repairing the silt fence here. 4/26/06



345kV (Archers Lane and Diamond Hill Rd) Photo on the left shows the slope along the AL access drive. This area should also be restored when feasible. Photo on the right shows where restoration efforts were noted along the Diamond Hill Rd. shoulders. 4/26/06



345kV (Umpawaug Rd) Photo on the left shows slopes along the roadway which have been seeded and mulched. Photo on the right shows the old storage area at the Rt. 107 intersection. Silt fence was pulled but the area remained disturbed. Either restore the area or replace silt fence. 4/26/06



345kV (Georgetown Deli) Photo on the left shows the bank of the stream which washed out at the base due to the recent heavy rains. Photo on the right shows some erosion near the roadway. Crews may want to check the trench for stability here. 4/26/06



345kV (Wilton HS) The photo on the left shows the stone left along the bank of the stream from the old basin outlet. Restoration is still required in this area. Photo on the right shows the yard where some restoration efforts were made but silt fence was removed prematurely. 4/26/06



345kV (HDD) Photo on the left shows an overall view of the yard. Disturbed soil was still present in large areas. Photo on the right shows where asphalt spoil was left here in the yard. This area should not be used for dumping materials as it should be restored and vegetated when work is done. 4/26/06



Photo shows where significant sediment has continued to deposit in the channels and wetlands beyond the basin due to the recent heavy rains. This sediment should be removed as soon as possible. 4/26/06



345kV(Rt. 7)Photo on the left shows active work in the area south of the HDD exit point. Some sediment was noted in the channel here from the exposed slope. Photo on the right shows a view near the open vault at the corporate park. Sediment was reaching the street here. 4/26/06