

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 19, 2006

Inspector: Ann Schwenzer

Location: 345kV Underground Route

Storm/

Rain Event: Approximately 0.28" of precipitation was recorded on 4/13 as reported by NOAA

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. 3/9-4/19/06	- Some further attention is needed here. See erosion control section. 4/19/06	
	- Several areas of bare soil were present along Rt. 7 but other construction projects are also ongoing. 2/2-4/19/06	- Continue providing good "house-keeping" along the roadways. Full restoration will be required when work is completed. 2/2-4/19/06	- 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. 4/12-4/19/06	- Further restoration will be necessary after the adjacent work is complete. See additional sections for more details. 4/12-4/19/06	-N/A until work is complete
	- Work continues at the HDD exit point on Rt. 7. and adjacent to the road to the commuter rail. 4/19/06	- See erosion control section for more details. 4/19/06	-N/A
	- Crews continue work at the Umpawaug Rd./ Diamond Hill Rd. intersection. 4/12-4/19/06	- See other sections for more details. 4/19/06	-N/A
	-Work was noted near #124 on Rt.107 4/19/06	-None at this time. 4/19/06	- N/A

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	<p>-A number of vaults continue to be accessed along the route for internal work as well. 4/12-4/19/06</p>	<p>- None at this time. Include these areas as part of the restoration. 4/12-4/19/06</p>	<p>-N/A</p>
<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. Some straw and grass seed were spread as well. 4/19/06</p> <p>- Stone and hay were not removed from the outlet slope but still need to be to achieve final stabilization. 1/19-4/19/06</p> <p>- At the HDD, controls remain fairly well in place as excavation continues in the area, however further sediment accumulation remains the channel beyond the basin. 4/6-4/19/06</p> <p>- Vegetation was affected and soil within the wetland was disturbed from the breakout repair. This is in the area beyond the basin and controls. 2/9-4/19/06</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. 2/16-4/19/06</p> <p>- The exit point of the bore remains set up with erosion controls along the perimeter of the area. 2/22-4/19/06</p> <p>- While the area is well controlled now, an earlier breakout resulted in sedimentation to an area of</p>	<p>- The site is not stable enough to have removed the fence. Equivalent controls should be placed along the bank. 4/19/06</p> <p>-These materials and the leftover instream controls must be removed for the area to be determined complete. 1/26-4/19/06</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. 4/6-4/19/06</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. 3/9-4/19/06</p> <p>-The accumulated sediment should be removed as soon as feasible, esp. since the growing season is underway 3/9-4/19/06</p> <p>- Continue to monitor erosion controls while the connecting work can occur. 4/19/06</p> <p>- Contractors are waiting until the water recedes in order to go in and remove the sediment. 2/16-</p>	<p>- This will likely not occur until trenching is complete in this area but look at sediment issues soon</p> <p>- Plan to attend to this in the growing season</p> <p>- Needs to be done when conditions are stable- sooner than later.</p> <p>- N/A at this time</p>

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Erosion and Sediment (E&S) Controls	ponded water down gradient of the return site near the railroad tracks.	4/19/06	
<p>Route 7 continued</p> <p>Rt. 107 Daywork</p> <p>Umpawaug Rd.</p>	<p>-Protection measures should be installed at the storm inlet in Racquet club since soils are stored here. 2/2-4/19/06</p> <p>- An open vault excavation remains at Wilton Corp Park. The stockpile was placed with silt fence but it was not toed in. 4/12-4/19/06</p> <p>- The storage area near #848 (Rt.7) is still highly utilized. 1/4-4/19/06</p> <p>- Landowner activities here are also directly affecting wetlands, including placing sediment closer to the wetland swales. 3/15-4/19/06 This was recently noted to affect the project erosion controls – sediment was piled over the silt fence. 4/6-4/19/06</p> <p>- Ruts from equipment access had been noted in the island at the Rt. 107 & 7 intersection leading to sedimentation near an inlet. 2/2-4/19/06</p> <p>- At the Georgetown Deli, adjacent areas are well restored and on the way to stabilization but some erosion controls were coming down. 4/19/06</p> <p>- A stockpile and small storage yard remain in place. 2/2-4/19/06</p>	<p>- Water from the street seems to be more of an issue than water from the site but controls would still be appropriate. 3/2-4/19/06</p> <p>- Controls should be toed in or they won't be effective. Continue to watch the adjacent catch basin. 4/12-4/19/06</p> <p>- Continue to monitor activity in here. Watch placement of project materials and equipment in the vicinity of the surrounding swale. 12/8-4/19/06</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. 4/6-4/19/06</p> <p>- Work was also recently noted here. Protect catch basins and restore the island. 4/6-4/19/06</p> <p>-Keep controls maintained until the area is fully revegetated. 4/19/06</p> <p>- Remember to restore these areas when feasible 2/2-4/19/06</p>	<p>- N/A</p>

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Diamond Hill Rd.	<p>- Controls were in place for active work continued on Umpawaug /Diamond Hill intersection and restoration was noted along the roadway. 4/19/06</p> <p>- Restoration efforts were noted in the adjacent homeowners yard along the Archers Lane access road. 4/19/06</p> <p>-Silt fence near Granite Ridge Rd did not appear to be toed in but haybales were in the inlets. 4/19/06</p>	<p>- Continue to restore as needed. 4/19/06</p> <p>- Continue to restore as needed. 4/19/06</p> <p>-Silt fence should be toed in along this work area due to adjacent wetlands. 4/19/06</p>	<p>Restoration was occurring</p> <p>-Restoration is occurring.</p> <p>-Haybales were placed in the inlets but silt fence needs to be toed in.</p>
Adjacent Wetlands and Waterways	<p>-At the jack and bore near Allens Meadow Park, the outlet slope still needs final restoration. 1/19-4/19/06</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. 2/9-4/19/06</p> <p>- Wetlands directly to the east and south of the basin have sediment accumulation that will require removal. 1/19-4/19/06 Additional accumulation was also noted the week of 4/6/06</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. 4/12-4/19/06</p>	<p>-Plan to remove stone and haybales and instream controls for final restoration. 1/19-4/19/06</p> <p>- A restoration plan should be implemented for the wetlands beyond the basin, potentially including plantings in the spring. 2/16-4/19/06</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. 3/9-4/19/06</p> <p>-When excavation is complete here, the restoration may require addition of topsoil with a high organic component to promote good wetland revegetation. 4/12-4/19/06</p>	
Staging, Storage, and Parking Areas	<p>- The equipment storage yard on the property south of the Rt. 7 &107 intersection was mostly contained. 1/26-4/19/06</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. 3/15-4/19/06</p> <p>-The landowner is also excavating and placing sediment on project controls. 4/6-4/19/06</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. 2/2-4/19/06</p>	<p>night. No potentially spillable materials should be left behind. 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. 4/12-4/19/06</p> <p>- Install haybales at the culvert within the swale. 2/2-4/19/06</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. 4/19/06</p> <p>- Continue to make sure stockpiles are backfilled to the trench by the end of each day. 2/2-4/19/06</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. 3/29-4/19/06</p> <p>- Some erosion was noted in previously restored areas such as near Scribner Hill Rd. 1/4-4/19/06</p>	<p>-Other utility projects are ongoing as well making it difficult to coordinate efforts. 3/29-4/19/06.</p> <p>-Repair erosion in these areas in the spring when the area can stabilize. 1/4-4/19/06</p>	Restoration efforts were noted along Umpawaug Rd and some of Rts 107 and 7, Continue to restore these areas.
Dewatering	<p>- No major dewatering efforts were noted. 4/19/06</p> <p>-Significant ground water was noted within the School Rd site excavations. 3/29-4/19/06</p>	<p>- See other sections for details. 4/19/06</p> <p>-If dewatering is needed, evaluate the controls that will be needed to prevent further sedimentation. 4/12-4/19/06</p>	-N/A

Areas of Inspection	Observation	Recommended Action	Corrective Action
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. 4/19/06	- 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			

Next likely scheduled inspection: Wednesday April 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 for Ann Schwenzler



345kV (Archers Lane): Photo on the left shows crews restoring the lawn of the property adjacent to the access drive. Photo on the right shows a vault along the access drive. These areas remain to be restored even though they are not directly adjacent to a residence. 4/19/06



345kV (Diamond Hill Rd) Photo on the left shows active trenching along Diamond Hill Rd. Silt fence was adjacent to the work but was not toed in. Photo on the right shows where efforts were made to install haybales in swales and inlets adjacent to the work. 4/19/06



345kV (Rt 107 and Rt 7) Photo on the left shows where silt fence was down in the vicinity of Georgetown Deli. The area is also beginning to stabilize with vegetative growth. Photo on the right shows silt fence down with adjacent sediment at the storage area near the Rt. 107/7 intersection. This is due to landowner activities. 4/19/06



345kV (Rt 7-Wilton HS) Photo on the left shows another view of the back of the storage area with silt fence down. Photo on the right is a view of the Wilton HS old J&B where silt fence was removed prior to sufficient stabilization. Instream controls should also be removed. 4/19/06



345kV (HDD) The photo shows an overall view of the site with the perimeter controls still in fairly good shape. However, there have been problems with sediment accumulation in the wetlands beyond. 4/19/06



Photo on the left shows a view of some of the sediment accumulation in the wetlands beyond. It will become more difficult to remove sediment as the growing season progresses. Photo on the right shows another view of the site with equipment in place. 4/19/06