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: February 2, 2006

Inspector: Diana Walden

Location: 345kV Underground Route

Storm/ Rain Event: Little precipitation has been recorded since the previous inspection with the most significant being between 0.18-0.30" on 1/29 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	- Trenching and pipe installation, continue in several locations off Rt. 7 in Wilton.1/4-2/2/06 Active trenching was noted at the Racquet club and work had finished up and moved on from Cricket Lane. 2/2/06	-Continue providing good "house- keeping" along the roadways. See additional sections for more information. 12/1-2/2/06 -See erosion control section for recommendations. 2/2/06
	- Several areas of bare soil were present along Rt. 7 but other construction projects are also ongoing. 2/2/06	-In general, stockpiles should be backfilled each night. 2/2/06
	- The Horizontal Direction Drill at School Rd. continues to be more controlled. 1/26-2/2/06 The bore exit point is active with a return tank for the drilling mud and erosion controls in place. The drill has gone through initially and the bore hole is being stabilized 1/26-2/2/06	- Continue to monitor the turbid water as a result of the drilling. There is a large amount of exposed surfaces which makes control difficult. See additional sections for more details.12/8-2/2/06
	- Crews were working internal to the vaults at Georgetown Deli J&B. The adjacent intersection work is complete. 2/2/06	- This area is well restored. 2/2/06
	- The silt fence at the old high	- Stone and haybales

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Erosion and Sediment (E&S) Controls continued **Route 7**	school J&B site was repaired as recommended and remains good shape. 1/19-2/2/06 -In the future, any observable sedimentation in resource areas should be removed immediately. 1/19-2/2/06 - At the HDD, work continues and drilling muds were actively pumped to the basin from the return pit. 2/2/06 - The bore is initially complete but it has to be stabilized. No impacts to the river were noted. 2/2/06 - The use of the basin for pumping drill muds is still something of a concern in the instance there is significant rainfall. 1/4-2/2/06 - Silt fence had been restored below the baker tank but was partially down again. Water was flowing from here but ended up back in the basin. 2/2/06 -A large amount of disturbed soil remains on site. While external controls are good, more stabilization here will lead to less issues with run-off. 1/19-2/2/06 - The exit point of the bore remains set up with erosion controls along the perimeter of the area and mud was returning to the trench. An area of ponded water was down gradient of the return site near the railroad tracks. It was somewhat turbid. 1/26-2/2/06	remaining on the outlet slope will still need to be removed for final stabilization. 1/19-2/2/06 -The remaining instream controls will need to be removed once the slope has been restored. 1/26-2/2/06 -Controls on site have been noticeably improved. Minor turbidity had occurred in the resource area beyond the basin as a result of off-site water as well as the disturbed surfaces on site. The wetlands are in good shape though. 2/2/06. - Have a back up plan for water and sediment containment in the instance a highly significant storm is predicted. 1/4-2/2/06 - Water remains contained to the basin. Continue to watch and maintain. 2/2/06 - Consider stabilization measures for equipment and regrade/mulch areas whenever feasible. Reduce overall disturbed surfaces that contribute to the turbidity. 1/19-2/2/06 - Continue to monitor erosion controls and handling of the mud. A direct connection between the return site and the turbid area was not noted. It may be unrelated. 2/2/06
	- The storage area near #848 (Rt.7) is still highly utilized	- Continue to monitor activity in here. Watch placement of

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	and conditions were muddy. 1/4-2/2/06 Stone stockpiles were noted closer to the swale. 2/2/06	project materials in the vicinity of this roadside swale. 12/8-2/2/06
Route 7 continued	- Trenching was ongoing along Rt. 7. Soil was stockpiled along the edge but is typically backfilled by the end of the day. 1/19-2/2/06	-None at this time. Control stockpiles if they will remain more than a day 1/19-2/2/06
	- The Cricket Lane area was hydroseeded as restoration. 2/2/06	- Continue providing stabilization until the growing season. 2/2/06
	- The small work area across from Old Highway remains in use. 1/26-2/2/06	-Continue to provide god housekeeping. 1/26-2/2/06
	-Protection measures should be installed at the storm inlet in Racquet club since work is in proximity. 2/2/06	- Place haybales in this inlet. 2/2/06
Rt. 107 Daywork	- Ruts from equipment access were noted in the island at the Rt. 107 & 7 intersection leading to sedimentation near an inlet. 2/2/06	- Protect catch basins here and restore the island. 2/2/06
	- At the Georgetown Deli, all slopes and controls are in good shape as crews working internal to the vaults. 2/2/06	-None at this time. 2/2/06
	-Erosion controls remain well in place above the Norwalk River and near the redevelopment parcel. There is disturbed soil at the base of the slope from equipment access. 2/2/06	-Continue to monitor controls. The area below the slope could use some additional restoration where equipment had been moving. 2/2/06
Umpawaug Rd.	-Active trenching is not occurring at this time. A stockpile and small storage yard remain in place.2/2/06	- Remember to restore this area when feasible 2/2/06
	- A gully continues to form down the recently constructed slope near #79 and deposits	- Run-off is from the roadway but the sediment is from the un-stabilized slope. Place

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	sediment in the stream . 2/2/06	stone here to help the situation. 2/2/06
Adjacent Wetlands and Waterways continued	-At the jack and bore near Allens Meadow Park, the outlet slope will need final restoration. 1/19-2/2/06 - Bubbling (now running clear), apparently from a ground fracture, was noted in the wetlands beyond the HDD site. 12/14-2/2/06 - Wetlands directly to the east of the basin will have to evaluated after the work is complete. 1/19-2/2/06 - Some sediment has deposited in a stream off Umpawuag Rd. as a result of road run-off down the constructed slope. 2/2/06	-It is probably best to leave the sediment in the stream alone at this point. Plan to remove stone and haybales and instream controls for final restoration. 1/19-2/2/06 - Contractors were to continue to watch this spot carefully. Haybales were installed. The river has not been impacted at this point as a result of the bore. 2/2/06 -Reducing sources of turbidity on site will likely help with this issue. 1/19-2/2/06 - Stabilize the slope or minimize the erosive velocity of the run-off. 2/2/06
Staging, Storage, and Parking Areas	- The equipment storage yard on the property south of the Rt. 7 &107 intersection was muddy but vehicles were contained. 1/26-2/2/06 - Stone piles and materials are being placed increasingly closer to the swale by Rt.7. 1/26-2/2/06 - The landowner had previously expressed concerns to the inspector about picking up coffee cups and other litter. 1/12-2/2/06 - The racquet club storage yard now has active work. It is even more important to place protective measures in the inlet/swale here. 2/2/06	- 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 or out overnight. 1/26/06 -Practice good housekeeping. 1/12-2/2/06 - Keep within the limits of the yard and don't encroach into the brush. 10/27-2/2/06 Install haybales at the culvert within the swale. 2/2/06

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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. - Several areas of disturbed soil were noted as a result of trenching. 2/2/06 - Mud is being excavated from the HDD basin and transported to Danbury as a partial solution to the turbidity issues here. 12/14-2/2/06	- Soils appear to be handled appropriately. 2/2/06 - Continue to make sure stockpiles are backfilled to the trench by the end of each day. 2/2/06 - Some excavation has been performed but it will need to continue. 12/14-2/2/06
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-Snow cover/frozen ground is now a factor in restoration/stabilization attempts, but a number of bare roadside areas still remain. 12/8-2/2/06 - Some erosion was noted in previously restored areas such as near Scribner Hill Rd. 1/4-2/2/06	- Attend to disturbed areas as feasible in the appropriate time frames. 11/10-2/2/06 - Hydroseed was noted at the Cricket Lane area. 2/2/06 -Repair erosion in these areas in the spring when the area can stabilize. 1/4-2/2/06
Dewatering	- No major dewatering efforts were noted with the exception of the mud return operation at the HDD site. 2/2/06	- On-site controls appear to be containing the muds and water at this point. 2/2/06
Blasting	- No blasting is occurring on site at this time.	- None at this time.

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Spills and Material Storage	- The turbid washwater and sediment containment issues at the HDD are mostly addressed but a larger contingency plan should be considered if a significant storm is predicted. 1/19-2/2/06 - Plastic remains under a leaking piece of equipment and the refueling tank. 1/19-2/2/06	- The basin is being excavated of mud but larger stabilization/source control measures should be examined. 1/19-2/2/06 -Continue to monitor and maintain plastic as needed. Dispose of properly at completion. 1/19-2/2/06
	- In general, make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. 2/2/06	- The contractors should remain vigilant about securing and handling fuel containers. - Continue to keep all vehicles maintained well (i.e. no apparent fluid 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	- Address landowner concerns regarding picking up litter at the storage yard near the Rts. 7/107 intersection.	

Next likely scheduled inspection: Thursday, February 9, 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*

3345kV (Umpawaug Rd. & Georgetown Deli): Photo on the left shows the area near #79 Umpawaug where street runoff eroded a gully through the recently constructed bank to the stream. Photo on the right is of the restored stream bank with erosion control matting at the Georgetown Deli. 2/2/06

Photo on the left shows the stream running clear at the receiving pit side which is also restored at this time. Photo on the right shows a view of the recently restored intersection south of the jack and bore where the trench was completed. 2/2/06

345kV (Rt. 107) Photo on the left shows the erosion controls in place along the redevelopment parcel near the Norwalk River. Photo on the right shows the Rt. 107 & 7 intersection where equipment access created ruts and sediment towards the street. Restoration is needed. 2/2/06

345kV (Rt. 7 & HDD): Photo on the left is a view of the Racquet club where active work was occurring. This area is a stormwater swale with an inlet that needs some protective measures. Photo on the right shows an overview of the work site and basin at the HDD. 2/2/06

345kv (HDD): Photo on the left shows some of the check dams and controls in the wetlands beyond the basin. There is some minor sedimentation in some areas, but most of the wetland is in good shape. Photo on the right shows the drilling muds returning from the bore to the basin. 2/2

Photo on the left shows some turbid water below the baker tank. A slight depression here keeps some of the water in place but the remainder flows beyond the fence. Photo on the right shows the water eventually flowing back to the basin. 2/2/06

345kV (HDD return pit): Photo on the left is a view of the HDD return site where the drill had come through and muds were being pumped and returned. Erosion controls were well in place. Photo on the right shows the muds within the trench. 2/2/06

345kV (Rt. 7): Photo on the left is a view of an area of ponded water downgradient of the return pit. Water was somewhat turbid but it is unclear whether this is somehow a result of the muds or unrelated. The river continues to remain unaffected. Photo on the right shows hydroseeding as restoration along Rt.7. 2/2/06