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 22, 2006

Inspector: Don Ukers

Location: 345kV Underground Route

Storm/ Rain Event: Only a trace of precipitation has been recorded since the last inspection 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. 7.1/4-2/22/06 Active trenching had been noted near Orems Lane. A vault was also being installed in this vicinity. 2/16-2/22/06	-Continue providing good "house- keeping" along the roadways. See additional sections for more information. 12/1-2/22/06
	- Several areas of bare soil were present along Rt. 7 but other construction projects are also ongoing. 2/2-2/22/06	-In general, stockpiles should be backfilled each night. And restoration will be required when work is completed. 2/2-2/22/06
	- The Horizontal Direction Drill at School Rd. is beginning to wrap up. The disturbance area within the wetland from two weeks ago requires some attention as well. 2/22/06	- 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.12/8-2/22/06 -Wetland restoration and additional erosion controls will be necessary. 2/22/06
	- The bore exit point area was well contained at the time and work to install the pipes and cables had occurred. 2/22/06	- See other sections for more details. 2/22/06
	- Crews continued work at Archers Lane transition station and active trenching was	- None at this time, the work remains contained to the pad. 2/22/06

Areas of Inspection	Observation	Recommended Action
	occurring from the recently installed vault to down along the access drive. 2/22/06	
Erosion and Sediment (E&S) Controls continued **Route 7**	- The silt fence at the old high school J&B site was repaired as recommended and remains good shape. 1/19-2/22/06 -In the future, any observable sedimentation in resource areas should be removed immediately. 1/19-2/22/06 - At the HDD, work is wrapping up. Vegetation was affected and soil within the wetland was disturbed from the breakout repair several weeks ago. 2/9-2/22/06 Sediment is migrating from the disturbed area into the stream and additional controls are needed here. 2/22/06 - The use of the basin for pumping drill muds is still something of a concern in the instance there is significant rainfall. 1/4-2/22/06 - The past week also showed less efficient containment of the muds than had been noted. Efforts had been made to better control the mud. Work will be necessary to clean up this area. 2/22/06 -The combination of offsite dewatering and muds from the site led to sediment accumulation in the wetland beyond the check dams last week. 2/16-2/22/06 -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. 1/19-2/22/06	- Stone and haybales remaining on the outlet slope will still need to be removed for final stabilization. 1/19-2/22/06 -The remaining instream controls will need to be removed once the slope has been restored. 1/26-2/22/06 - A restoration plan should be proposed and implemented and may include some plantings. In the meantime, disturbed soil needs to be controlled or temporarily stabilized. 2/9-2/16/06. - Install silt fence or haybales below the disturbed sediment ASAP. 2/22/06 - Have a back up plan for water and sediment containment in the instance a highly significant storm is predicted. 1/4-2/22/06 -Continue to control and maintain muds by shaping drainage patterns and returning it to the basin. 2/22/06 - When conditions are stable enough, sediment will need to be removed carefully by hand from the wetland. 2/16-2/22/06 - Consider stabilization measures for equipment and regrade/mulch areas whenever feasible. Reduce overall disturbed surfaces that contribute to the turbidity.

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Erosion and Sediment (E&S) Controls continued **Route 7 continued**	- The exit point of the bore remains set up with erosion controls along the perimeter of the area. 2/22/06 - While the area is well controlled now, an earlier breakout resulted in sedimentation to an area of ponded water down gradient of the return site near the railroad tracks. 1/26-2/22/06	1/19-2/22/06 - Continue to monitor erosion controls and handling of the mud until the bore work wraps up. 2/22/06 - Contractors are waiting until the water recedes in order to go in and remove the sediment. 2/16-2/22/06
Rt. 107 Daywork **Umpawaug Rd.**	- The storage area near #848 (Rt.7) is still highly utilized and conditions were muddy. 1/4-2/22/06 Stone stockpiles were noted closer to the swale. 2/2-2/22/06 - Trenching was ongoing along Rt. 7. Soil was stockpiled along the edge but is typically backfilled by the end of the day. 1/19-2/22/06 -Protection measures should be installed at the storm inlet in Racquet club since work is in proximity. 2/2-2/22/06 - Ruts from equipment access were noted in the island at the Rt. 107 & 7 intersection leading to sedimentation near an inlet. 2/2-2/22/06 - At the Georgetown Deli, all slopes and controls remain in good shape. 2/2-2/22/06 - There is disturbed soil at the base of the slope just north of the completed Norwalk River work from equipment access. 2/2-2/22/06 - A stockpile and small storage yard remain in place.	- Continue to monitor activity in here. Watch placement of project materials in the vicinity of this roadside swale. 12/8-2/22/06 -None at this time. Control stockpiles if they will remain more than a day 1/19-2/22/06 - Water from the street seems to be more of an issues than water from the site but controls would still be appropriate. 2/22/06 - Protect catch basins here and restore the island if not already done so. 2/2-2/22/06 -None at this time. 2/2-2/22/06 -Continue to monitor controls. The area below the slope could use some additional restoration where equipment had been moving. 2/2-2/22/06 - Remember to restore these areas when feasible 2/2-2/22/06

Areas of Inspection	Observation	Recommended Action
	- Asphalt patching was occurring along the roadway. 2/22/06 - A gully had formed down the recently constructed slope near #79 and deposits sediment in the stream . 2/2-2/22/06 - If work is returning to this roadway, make sure erosion controls are in good shape prior to sawcutting. 2/22/06	- Run-off is from the roadway but the sediment is from the un-stabilized slope. Place stone here to help the situation. 2/2-2/22/06 - Remember to protect all inlets and drainage swales along the road when work resumes. 2/22/06
Adjacent Wetlands and Waterways	-At the jack and bore near Allens Meadow Park, the outlet slope will need final restoration. 1/19-2/22/06 -The breakout described at the HDD resulted in direct access and impact to the wetland beyond the basin in order to contain the muds. This also resulted in disturbed soil in the wetlands. 2/9-2/22/06 The soil is now migrating into the adjacent stream 2/22/06 - Wetlands directly to the east of the basin will have to evaluated after the work is complete. 1/19-2/22/06 -Combination of non-project related offsite dewatering and issues with controlling the muds has led to sedimentation to the wetlands past the controls and check dams again. 2/22/06 - Some sediment has deposited in a stream off Umpawuag Rd. as a result of road run-off down the constructed slope. 2/2-2/22/06	-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. 1/19-2/22/06 - A restoration plan should be implemented for the wetlands potentially including plantings in the spring. In the meantime, the soil surface needs stabilization or controls. 2/16-2/22/06 -Reducing sources of turbidity on site will likely help with this issue. Restoration may also be necessary here.1/19-2/22/06 - When conditions are stable, sediment will need to be carefully removed by hand. 2/22/06 - Stabilize the slope or minimize the erosive velocity of the run-off. 2/2-2/22/06
Staging, Storage, and Parking Areas	- The equipment storage yard on the property south of the Rt. 7 &107 intersection was	- In general, materials should be placed appropriately in storage areas or immediately

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	muddy but vehicles were contained. 1/26-2/22/06 - Stone piles and materials are being placed increasingly closer to the swale by Rt.7. 1/26-2/22/06 - The racquet club storage yard has piles of stone and soil. It is even more important to place protective measures in the inlet/swale here. 2/2-2/22/06	adjacent to work each night. No potentially spillable materials should be left behind or out overnight. 2/22/06 -Practice good housekeeping, including personal litter. 1/12-2/22/06 - Keep within the limits of the yard and don't encroach into the brush. 10/27-2/22/06 Install haybales at the culvert within the swale. 2/2-2/22/06
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 and vault installation. 2/2-2/22/06 - Mud is being excavated from the HDD basin and transported to Danbury as a partial solution to the turbidity issues here. 12/14-2/22/06	- Soils appear to be handled appropriately. 2/22/06 - Continue to make sure stockpiles are backfilled to the trench by the end of each day. 2/2-2/22/06 - Some excavation has been performed but it will need to continue. 12/14-2/22/06
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. 12/8-2/22/06 - Some erosion was noted in previously restored areas such as near Scribner Hill Rd. 1/4-2/22/06	- Attend to disturbed areas as feasible in the appropriate time frames. 11/10-2/22/06 -Other utility projects are ongoing as well which often undoes some of the efforts. 2/22/06 -Repair erosion in these areas in the spring when the area can stabilize. 1/4-2/22/06

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Dewatering	- No major dewatering efforts were noted with the exception of the mud return operation at the HDD site. 2/22/06	- On-site controls had been containing the muds and water fairly well. See other sections for details. 2/22/06
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- A contingency plan for the turbid washwater and sediment containment issues at the HDD should also be considered if a significant storm is predicted. 1/19-2/22/06 - The tarp has been extended under the leaking piece of equipment as recommended. 2/22/06	- The basin is being excavated of mud but larger stabilization/source control measures should be examined. 1/19-2/22/06 - Frac tanks will be brought in if necessary. 2/22/06 - Continue to monitor and maintain plastic as needed. The tarps, pads and affected stone should be disposed of properly at completion. 1/19-2/22/06
	- In general, make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. 2/22/06	- 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, March 2, 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 Don Ukers*

345kV (Archers Lane): View of the trenching for the 345kV work along the access drive into the Archers Lane station. The site remains well contained at this time. Significant dewatering has not been necessary. 2/22/06

(Archers Lane and Georgetown Deli): Photo on the left shows the trenching continuing up to the vault in the Archers Lane station pad. Photo on the right shows the parking lot at Georgetown Deli. Some leftover materials remain behind. 2/22/06

345kV (Georgetown Deli and High School) Photo shows the slope along the completed jack and bore site at Georgetown Deli which remains well stabilized. Photo on the right shows a view of the old jack and bore area near the high school. Final restoration is needed in the spring. 2/22/06

345kV (HDD): Photo shows an overview of the basin being used to hold the muds for the bore. The equipment here will be packing up soon. 2/22/06

Photo shows a view of the wetlands beyond the basin and erosion controls. Sedimentation is occurring to the stream as a result of water from the site as well as migration of the soil that was disturbed several weeks ago. The sediment will need to be removed carefully by hand. 2/22/06

Photo on the left shows a view of the erosion controls along the eastern side of the site. Water from the street was washing through here last week. Photo on the right shows where additional tarp was installed under the leaking equipment as recommended. 2/22/06