

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: March 2, 2006

Inspector: Diana Walden

Location: 345kV Underground Route

Storm/

Rain Event: Approximately 0.36” of precipitation fell mostly in the form of snow on 3/2 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	<ul style="list-style-type: none"> - Trenching and pipe installation, continue in several locations off Rt. 7.1/4-3/2/06 Active trenching had been noted near Wilton Deli for some repair work. 3/2/06 - Several areas of bare soil were present along Rt. 7 but other construction projects are also ongoing. 2/2-3/2/06 - The Horizontal Direction Drill at School Rd. is wrapping up with equipment packing up to leave the site. The disturbance area within the wetland from three weeks ago had some silt fence installed as recommended. 3/2/06 - The pipes and utilities have been installed in the bore hole. Trenching will need to continue here to connect the project. 3/2/06 - Crews returned to perform active trenching and pipe installation in the area of #79 	<ul style="list-style-type: none"> -Continue providing good “house- keeping” along the roadways. See additional sections for more information. 12/1-3/2/06 -In general, stockpiles should be backfilled each night. And restoration will be required when work is completed. 2/2-3/2/06 - Continue to monitor the turbid water remaining in the basin. There is a large amount of exposed surfaces which makes control difficult. See additional sections for more details.12/8-3/2/06 -Wetland restoration will still be necessary. 3/2/06 - See other sections for more details. 3/2/06 - See other sections for more details. 3/2/06

Areas of Inspection	Observation	Recommended Action
	<p>Umpawaug Rd. 3/2/06</p> <ul style="list-style-type: none"> - Crews continued work at Archers Lane transition station and active trenching was occurring from the recently installed vault to down along the access drive. 2/22-3/2/06 	<ul style="list-style-type: none"> - None at this time, the work remains contained to the pad. 3/2/06
<p>Erosion and Sediment (E&S) Controls</p> <p>continued</p> <p>Route 7</p>	<ul style="list-style-type: none"> - The silt fence at the old high school J&B site was repaired as recommended and remains good shape. 1/19-3/2/06 -In the future, any observable sedimentation in resource areas should be removed immediately. 1/19-3/2/06 - At the HDD, work is wrapping up and equipment is demobilizing. Vegetation was affected and soil within the wetland was disturbed from the breakout repair several weeks ago. 2/9-3/2/06 -Silt fence was installed adjacent to the sediment that was migrating from the disturbed area into the stream as recommended. 3/2/06 - The basin is no longer needed for pumping drill muds but extraneous mud remains. 3/2/06 - The basin remains contained and mud will no longer be used here. However, due to the extensive disturbed surfaces, significant work will be necessary to clean up this area. 3/2/06 -The combination of offsite dewatering and muds from the site led to sediment accumulation in the wetland beyond the check dams 2/16- 	<ul style="list-style-type: none"> - Stone and haybales remaining on the outlet slope will still need to be removed for final stabilization. 1/19-3/2/06 -The remaining instream controls will need to be removed once the slope has been restored. 1/26-3/2/06 - A restoration plan should be proposed and implemented and may include some plantings. 3/2/06. - In the meantime, disturbed soil is temporarily controlled by silt fence. Plan to stabilize permanently in the spring 3/2/06 - Have a back up plan for water and sediment containment in the instance a highly significant storm is predicted. 1/4-3/2/06 -Regrade, remove remaining muds and stabilize soil surfaces as soon as feasible. Reduce overall disturbed surfaces that contribute to potential turbidity in the wetlands. 3/2/06 - When conditions are stable enough, sediment will need to be removed carefully by hand

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<p>Umpawaug Rd.</p>	<ul style="list-style-type: none"> - A stockpile and small storage yard remain in place. - Active trenching and pipe installation returned in the vicinity of #79. Soil was stockpiled but as set to be backfilled by the end of the day. - Haybales were placed at the top of the gully that formed down the recently constructed slope near #79 as previously recommended. 3/2/06 - Make sure erosion controls are in good shape prior to sawcutting anywhere that work will return. 2/22/06-3/2/06 	<ul style="list-style-type: none"> - Remember to restore these areas when feasible 2/2-3/2/06 - Make sure soil is returned daily as the area slopes to a wetland. 3/2/06 - Run-off is from the roadway but the sediment is from the un-stabilized slope. Continue to monitor. 2/2-3/2/06 - Remember to protect all inlets and drainage swales along the road as work resumes in an adjacent area. 2/22-3/2/06
<p>Adjacent Wetlands and Waterways</p>	<ul style="list-style-type: none"> -At the jack and bore near Allens Meadow Park, the outlet slope will need final restoration. 1/19-3/2/06 -The breakout described at the HDD resulted in direct access and impact to the wetland beyond the basin in order to contain the muds. 2/9-3/2/06 Silt fence was installed as recommended. 3/2/06 - Wetlands directly to the east of the basin will have to be evaluated after the work is complete. 1/19-3/2/06 -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. 2/22-3/2/06 	<ul style="list-style-type: none"> -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. 1/19-3/2/06 - A restoration plan should be implemented for the wetlands potentially including plantings in the spring. 2/16-3/2/06 - Restoration may also be necessary here, including removal of sediment.1/19-3/2/06 - When conditions are stable, sediment will need to be carefully removed by hand. 2/22-3/2/06
<p>Staging, Storage, and Parking Areas</p>	<ul style="list-style-type: none"> - The equipment storage yard on the property south of the Rt. 7 & 107 intersection was muddy but mostly contained. 	<ul style="list-style-type: none"> - In general, materials should be placed appropriately in storage areas or immediately adjacent to work each night.

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	<p>1/26-3/2/06</p> <ul style="list-style-type: none"> - Stone piles and materials are being placed increasingly closer to the swale by Rt.7. 1/26-3/2/06 Equipment was also noted. It should not be placed near resource areas - 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. 2/2-3/2/06 	<p>No potentially spillable materials should be left behind or out overnight. 3/2/06</p> <ul style="list-style-type: none"> -Practice good housekeeping, including personal litter. 1/12-3/2/06 - Keep within the limits of the yard and don't encroach into the brush. 10/27-3/2/06 Install haybales at the culvert within the swale. 2/2-3/2/06
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. - Mud remains in the HDD basin from the completed bore but should continue to be transported to Danbury as a partial solution to the turbidity issues here. 12/14-3/2/06 	<ul style="list-style-type: none"> - Soils appear to be handled appropriately. 3/2/06 - Continue to make sure stockpiles are backfilled to the trench by the end of each day. 2/2-2/22/06 - Continue to clean up the area and remove muds now that the bore is complete. 3/2/06
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. 	<ul style="list-style-type: none"> - N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> -Snow cover/frozen ground is now a factor in restoration/stabilization attempts, but a number of bare roadside areas still remain. 12/8-3/2/06 - Some erosion was noted in previously restored areas such as near Scribner Hill Rd. 1/4-3/2/06 	<ul style="list-style-type: none"> - Attend to disturbed areas as feasible in the appropriate time frames. 11/10-3/2/06 -Other utility projects are ongoing as well which often undoes some of the efforts. 3/2/06 -Repair erosion in these areas in the spring when the area can stabilize. 1/4-3/2/06
Dewatering	<ul style="list-style-type: none"> - No major dewatering efforts were noted. The mud return operation at the HDD site is also complete. 3/2/06 	<ul style="list-style-type: none"> - See other sections for details. 3/2/06
Blasting	<ul style="list-style-type: none"> - No blasting is occurring on site at this time. 	<ul style="list-style-type: none"> - None at this time.

Areas of Inspection	Observation	Recommended Action
Spills and Material Storage	<ul style="list-style-type: none"> - A contingency plan for the turbid water remaining at the HDD should also be considered if a significant storm is predicted. 1/19-3/2/06 - The equipment is demobilizing and the affected tarps, stone and absorbent pads (from the leaks) have been placed in drums and removed from site appropriately. 3/2/06 	<ul style="list-style-type: none"> - Larger stabilization/source control measures should now be examined since the bore is finished up. 3/2/06 - None at this time. Continue to watch for equipment leaks. 3/2/06
	<ul style="list-style-type: none"> - In general, make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. 3/2/06 	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - Address landowner concerns regarding picking up litter at the storage yard near the Rts. 7/107 intersection. 	

Next likely scheduled inspection:

Thursday March 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



345kV (Archers Lane): View of the trenching for the 345kV work along the access drive into the Archers Lane station. Pipe is being installed and the site remains well contained at this time. 3/2/06



Photo on the left shows the stockpiling along the trench in the driveway. All areas on this side of the trench are upland. Photo on the right shows the trenching to connect the vault to the utilities. 3/2/06



345kV (Umpawaug Rd) Photo on the left shows crews actively trenching along the roadway. The swale at the base of the hill near #79 has haybales in place. Photo on the right shows a view of the open trench. 3/2/06



345kV (HDD): Photo shows the erosion controls which were installed within the wetland and adjacent to the recently disturbed soil as requested. 3/2/06



Photo on the left shows where the soil was bermed up and helps to keep water within the basin. Photo on the right shows the end of the utilities now that they have been installed within the bore hole. Trenching will continue from here to connect the project. 3/2/06



Overview of the remaining basin and the work site, equipment was being loaded up in preparation to move off site at the time of inspection. 3/2/06