

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 15, 2006

Inspector: Diana Walden

Location: 345kV Underground Route

Storm/

Rain Event: The only recorded precipitation was 0.30” which fell over 3/12-3/14 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Vault Openings and Trench Construction	- An open vault excavation remains near Wilton Corporate Park on Rt. 7. 3/9-3/15/06	- Some attention is needed here. See erosion control section. 3/15/06	
	- Several areas of bare soil were present along Rt. 7 but other construction projects are also ongoing. 2/2-3/15/06	- Continue providing good “house- keeping” along the roadways. Restoration will be required when work is completed. 2/2-3/15/06	- N/A until the growing season
	- Equipment has demobilized from the Horizontal Direction Drill at School Rd. The basin has been filled in and graded as temporary stabilization. 3/15/06	- Further restoration will be necessary after the adjacent work is complete. See additional sections for more details. 3/15/06	- The basin has been graded which will help reduce sedimentation.
	-Trenching will need to continue here in the near future to link up the project. 3/9-3/15/06	- See other sections for more details. 3/15/06	-N/A
	- Active trenching also continues near the Georgetown Deli on Rt. 107 3/9-3/15/06	- See other sections for more details. 3/15/06	- N/A
	- Crews continue active trenching and pipe installation in the area of	- See other sections for more details. 3/15/06	-N/A

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>#95 Umpawaug Rd. 3/9-3/15/06</p> <ul style="list-style-type: none"> - Crews continued work at Archers Lane transition station with most backfilling along the access drive complete. 3/15/06 	<ul style="list-style-type: none"> - None at this time, the work remains contained to the access drive. Watch sediment build up along the stonewall. 3/9-3/15/06 	<ul style="list-style-type: none"> - N/A at this time
<p>Erosion and Sediment (E&S) Controls continued</p> <p>Route 7</p>	<ul style="list-style-type: none"> - The silt fence at the old high school J&B site remains in fairly good shape but is starting to come down at the culvert. 3/9-3/15/06 -In the future, any observable sedimentation in resource areas should be removed immediately. 1/19-3/15/06 - At the HDD, drill work is complete and equipment is gone. The basin has been graded and backfilled for temporary stabilization. Controls remain well in place 3/15/06 - Vegetation was affected and soil within the wetland was disturbed from the breakout repair. This is in the area beyond the basin and controls. 2/9-3/15/06 -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. 2/16-3/15/06 - The exit point of the bore remains set up with erosion controls along the perimeter of the area. 2/22-3/15/06 	<ul style="list-style-type: none"> - Stone and haybales remaining on the outlet slope will still need to be removed for final stabilization. 1/19-3/15/06 -The remaining instream controls will need to be removed once the slope has been restored. 1/26-3/15/06 - Final restoration will occur when the work in the area is complete. 3/15/06 - A restoration plan should be proposed and implemented and may include some plantings. In the meantime, disturbed soil is temporarily controlled by silt fence. 3/9-3/15/06 -The accumulated sediment should be removed as soon as feasible and prior to the growing season. 3/9-3/15/06 - Continue to monitor erosion controls until the connecting work can occur. 3/15/06 	<ul style="list-style-type: none"> - This will likely not occur until trenching is complete in this area - Plan to attend to this in the growing season - N/A until conditions are stable - N/A at this time

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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 continues along Umpawaug. Soil was stockpiled but was set to be backfilled by the end of the day. 3/15/06 - Make sure erosion controls are in good shape prior to sawcutting anywhere that work will return. 2/22/06-3/15/06 	<ul style="list-style-type: none"> - Remember to restore these areas when feasible 2/2-3/15/06 - Make sure soil is returned daily to the trench. Monitor adjacent erosion controls. 3/15/06 - Remember to protect all inlets and drainage swales along the road as work resumes in an adjacent area. 2/22-3/15/06 	<ul style="list-style-type: none"> - N/A at this time - N/A at this time
<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. 1/19-3/15/06 -The breakout described at the HDD resulted in direct access and impact to the wetland beyond the basin in order to contain the muds. 2/9-3/15/06 - Wetlands directly to the east of the basin also have sediment accumulation that will require removal. 1/19-3/15/06 -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 dam. 2/22-3/15/06 	<ul style="list-style-type: none"> -Plan to remove stone and haybales and instream controls for final restoration. 1/19-3/15/06 - A restoration plan should be implemented for the wetlands beyond the basin, potentially including plantings in the spring. 2/16-3/15/06 - Sediment buildup should be removed where it is thicker than an inch. This should be done before the growing season. 3/9-3/15/06 - When conditions are stable, sediment will need to be carefully removed by hand. This should occur before the growing season. 2/22-3/15/06 	
<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. 1/26-3/15/06 	<ul style="list-style-type: none"> - In general, materials should be placed appropriately in storage areas or immediately adjacent to work each night. No potentially 	<ul style="list-style-type: none"> -N/A

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	<ul style="list-style-type: none"> - Stone piles and machinery are being placed increasingly closer to the surrounding wetland swales. 1/26-3/15/06 - 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. 2/2-3/15/06 	<ul style="list-style-type: none"> spillable materials should be left behind. - Equipment should not be placed near resource areas. 3/9-3/15/06 - Keep within the limits of the yard and don't encroach into the brush. 10/27-3/15/06 Install haybales at the culvert within the swale. 2/2-3/15/06 	
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. 	<ul style="list-style-type: none"> - Soils appear to be handled appropriately. 3/9/06 - Continue to make sure stockpiles are backfilled to the trench by the end of each day. 2/2-3/9/06 	N/A at this time
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 	-N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> - Colder weather is still a factor in restoration/stabilization attempts, but a number of bare roadside areas still remain. 12/8-3/15/06 - Some erosion was noted in previously restored areas such as near Scribner Hill Rd. 1/4-3/15/06 	<ul style="list-style-type: none"> - Attend to disturbed areas as feasible in the appropriate time frames. 11/10-3/15/06 -Other utility projects are ongoing as well which often undoes some of the efforts. -Repair erosion in these areas in the spring when the area can stabilize. 1/4-3/15/06 	<ul style="list-style-type: none"> - N/A until the growing season - N/A until the growing season
Dewatering	<ul style="list-style-type: none"> - No major dewatering efforts were noted.. 3/15/06 	<ul style="list-style-type: none"> - See other sections for details. 3/15/06 	
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. 	
Spills and Material Storage	<ul style="list-style-type: none"> - In general, make sure that glues, asphalt components and other materials are 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel 	-N/A

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	stored well overnight and not left out along the roadway. 3/15/06	containers. - Continue to keep all vehicles maintained well (i.e. no apparent fluid	
Spills and Material Storage continued		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 March 22, 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 (Umpawaug Rd): Both photos show the continuing trench work near #95 Umpawaug Rd. Photo on the left shows some soil remaining on the shoulder of the roadway which will be removed or placed back in the trench. 3/15/06



(Archers Lane): View of a stockpile of flowfill located adjacent to the drive and at the top of a slope. Silt fence was installed as recommended. 3/15/06



345kV (Rt 107) Photo on the left shows recent work near the Georgetown Deli with silt fence in place. Photo on the right s shows recent work immediately to the north of the deli where silt fence repairs were made. 3/15/06



345kV (Rts. 107 and 7): Photo on the left shows a small stockpile by the deli where silt fence should be extended to encompass the pile. Photo on the right shows the Racquet Club storage area where a haybale needs to be installed in the swale. 3/15/06



345kV(HDD): Both photos show a view of the HDD site after being regraded and the basin has been filled in. Perimeter controls remain in place and further restoration will be done when work finishes here. 3/15/06



Photo on the left shows the eastern side of the wetland beyond the controls where off-site dewatering and site water caused sedimentation. Photo on the right shows a close-up of the sedimentation which should be removed where it has accumulated. 3/15/06



Photo shows a view of the wetland beyond the perimeter fence where the disturbance has occurred several weeks ago. Some restoration will be necessary here. 3/15/06



Photo on the left shows an area adjacent to the vault installation near the Wilton Corp. Park. Stockpiles near the street should have erosion controls. Photo on the right shows the open vault excavation. 3/15/06