

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: December 1, 2005

Inspector: Brian Sakidovitch

Location: 345kV Underground Route

Storm/

Rain Event: Approximately 0.88- 1.49” of rain fell over 11/29-11/30 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 along Rt. 7 in Wilton. 10/27-12/1/05 - Work near Catalpa Rd. has apparently resumed with stockpiles and bare soil noted. 12/1/05 - Active trenching was observed at the Rt. 7/107 intersection. 12/1/05 - Trenching and pipe installation, continued during the day along Umpawaug Road. 10/5-12/1/05 - The Horizontal Direction Drill at School Rd. is ongoing but there are still issues with the drilling muds. 12/1/05 -No activity was noted at the High school jack and bore this week. 12/1/05 - The J&B operation near the Georgetown Deli is ongoing. 11/2-12/1/05 	<ul style="list-style-type: none"> -Most of the work noted is just off the roadway edge and seems contained for the most part. Continue providing good “house- keeping” along the roadways. 12/1/05 -Controls are needed in both locations. See additional sections for more information. 12/1/05 - See additional sections for more information. 12//05 -Drilling mud containment is still an issue here and appears to be getting worse. See additional sections for more details. 11/10-12/1/05 - See other sections for more details. 12/1/05 - This area looks mostly well contained after a flood event but see additional sections for more details. 12/1/05
Erosion and Sediment (E&S)	- Reseeding/restoration was	- Continue to restore disturbed

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Controls	noted in a number of areas and it is scheduled to continue. 11/23-12/1/05	areas in the appropriate time frame as per the D&M plan. 12/1/05
<p>Erosion and Sediment (E&S) Controls (includes inspection within 24 hours of a storm event) continued</p> <p>Route 7</p>	<ul style="list-style-type: none"> - Attempt to control all catch basins as well as outlet points off the road when work is in the vicinity. 12/1/05 - Active work returned to the Catalpa Rd. area and Rt. 107/7 intersection this week. Catch basins were still not protected and bare soil/stockpiles were present. 12/1/05 - Active work was not noted at the HS J&B area this week but Kemsco equipment was previously noted here. 12/1/05 - Underwater sediment accumulation was still noted in the stream at the J&B in several locations. 11/10-12/1/05 - A small stockpile and work was noted near the School Rd./Kristine Lilly Way intersection but is unclear if this is related to the project. 12/1/05 - At the HDD, the detention area continued to hold a significant amount of turbid water. Turbidity appears partly due to containment issues with the drilling muds which may actually be getting worse. 12/1/05 - The portion of the site to the east continues to have standing turbid water in a wetland area. While perimeter silt fence is well installed, an additional line of silt fence 	<ul style="list-style-type: none"> - Make sure that haybales are placed in the catch basins during the work and continue to maintain them until bare soil is gone. Filter fabric is also an accepted measure if haybales are difficult to maintain. 11/10-11/23/05 - Protect catch basins in both locations. Sediment from the Catalpa Rd. work has migrated to adjacent areas so stockpiles need erosion control. 12/1/05 - If any project related work occurs, erosion controls need some attention. 12/1/05 - The least impacting way to remove the sediment is likely by hand/shovel. It should be done carefully and with the instream controls in place. 11/10-12/1/05 - If this is project related, place controls around the stockpile. 12/1/05 - Determine how to reduce turbid run-off to this basin and reduce the amount of standing water here. Controls beyond the basin towards the river are still well in place. 12/1/05 - Extend the silt fence in this location and reduce turbidity through the mud containment issue. 11/23-12/1/05

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<p>Umpawaug Rd.</p>	<p>Power, the system is supposed to be more carefully monitored. 12/1/05</p> <p>- Silt fence has been installed along the wetland edge near Wayside Lane but several locations are worn. 11/23-12/1/05</p> <p>- Restoration efforts/mulching were noted along the roadway on several areas of bank cuts and bare soil . Continue providing stabilization to remaining disturbed areas including the vault near #123. 12/1/05</p> <p>-The area of active trenching during the inspection did not require additional controls but make sure all catch basins and swales are protected in any work area. 12/1/05</p> <p>- Some sedimentation was noted in a swale north of #53 (potentially from sawcutting). 12/1/05</p>	<p>- Need to confirm whether work in this area is complete and the roadside stabilized. 12/1/05</p> <p>-Continue to restore as per the D&M plan where needed. 12/1/05</p> <p>-Turbid water should not be released to the streets with the potential to enter unprotected catch basins or swales. Disturbed soil also provides potential for sedimentation. 12/1/05</p> <p>Make sure haybale check dams are in place in the swale or its culvert. 12/1/05</p>
<p>Adjacent Wetlands and Waterways</p>	<p>-At the jack and bore near Allens Meadow Park, the stream had some remaining accumulated sediment under the water which needs to be removed. 11/10-12/1/05</p> <p>-The stream at the Georgetown Deli jack and bore did flood its banks into the receiving side of the site and a small amount of stone was washed away here. 12/1/05</p> <p>- Wetlands south of the HDD are mostly in good shape with</p>	<p>- Hand shoveling is likely the best solution with instream controls in place. 10/27-12/1/05</p> <p>-The stream was running clear at the time of inspection following the storm and contractors have been instructed to perform filter changes on a regular basis to prevent turbidity. 12/1/05</p> <p>Determine how to contain mud issues to help reduce</p>

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	<p>additional controls/check dams installed. The wetland area to the east of the basin continues to have standing turbid water. 11/23-12/1/05</p>	<p>turbidity. Mud issues on site appear to be getting worse. Close off the work site from this area with silt fence. 12/1/05</p>
<p>Staging, Storage, and Parking Areas</p>	<p>- The silt fence at the equipment storage yard located on property south of the Rt. 7 & 107 intersection is up along the back portion of the property but down near the swale closest to Rt. 7. Landowner activities continue to add to stockpiles here. 11/23-12/1/05</p> <p>- Additional silt fence has been added at the School Rd. HDD area along the eastern side but one more cross-line of fence will help protect the wetland here. 11/23-12/1/05</p> <p>- The racquet club storage yard has been very active with a lot of materials. Make sure inlets here are protected. 10/27-12/1/05</p> <p>- A small bare soil/graded area remains at the Umpawaug Rd. Rt. 107 intersection. 12/1/05</p> <p>- The CL&P yard has erosion controls well in place. 12/1/05</p>	<p>- 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. 12/1/05</p> <p>- Take care with materials or disturbance too close to the swale by Rt. 7. 12/1/05</p> <p>- Install the additional fence and control turbidity issues. Extraneous drilling muds need to be removed or stored. 11/23-12/1/05</p> <p>- Keep within the limits of the yard and don't encroach into the brush. 10/27-12/1/05</p> <p>- Continue to maintain fence here and restore ruts caused by equipment just down gradient from here. Restore when feasible 12/1/05</p> <p>- Make sure equipment is not parked over swales. 12/1/05</p> <p>- None at this time continue to monitor. 12/1/05</p>
<p>Soils</p>	<p>- Most soils in roadways on the project route are being trucked to a waste facility in Danbury for storage and eventual disposal. However, any soils from the work in Redding which meet the RSR levels can be used in the landfill as daily cover.</p> <p>- Backfill soils are allowed to be stored along Umpawaug Rd. but only for the day. 10/5-</p>	<p>- Soils appear to be handled appropriately. 12/1/05</p> <p>- In general, if any pile remain longer than the day, controls should be placed. 12/1/05</p>

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	<p>12/1/05</p> <p>- Piles at Catalpa Rd. need controls as sediment is migrating to the adjacent grassed area. 12/1/05</p>	<p>- Install controls as piles have been noted here on and off for several weeks. 12/1/05</p>
<p>State species of concern, threatened and endangered species</p>	<p>- No species of concern are located in this area of construction.</p>	<p>- N/A</p>
<p>Vegetative clearing limits (including trees to save or danger trees noted)</p>	<p>-Restoration has been noted in a number of locations along Rt. 7. and most spots along Umpawaug Rd. 12/1/05</p>	<p>- Attend to disturbed areas in the appropriate time frames. 11/10-12/1/05</p>
<p>Dewatering</p>	<p>-Several frac tanks are still in place at the Georgetown Deli parking lot in order to hold the water from the jack and bore pits here. They have cycled over 1.5 million gallons of water since the start of the project. 12/1/05</p> <p>- The water is filtered through the tanks, sent to a filter bag on a riprap pad, through a silt fence and back to the stream. 11/23-12/1/05</p> <p>- Turbidity issues had been noted during off hours by Power and the town on 11/19 but improvements have since been implemented. 12/1/05</p>	<p>- Continue to monitor for effectiveness. The water in the stream was still running clear through the project and downstream at the time of inspection. 12/1/05</p> <p>- Slight turbidity occurs when filters are changed along the system but the silt fence helps to control this. 11/23-12/1/05</p> <p>- NU has stated that filters are to be changed regularly during off- hours to reduce any turbidity issues. 12/1/05</p>
<p>Blasting</p>	<p>- No blasting is occurring on site at this time.</p>	<p>- None at this time.</p>
<p>Spills and Material Storage</p>	<p>- The pile of drilling muds was still noted below the tanks and piled against the silt fence at the HDD site. More piles were noted at the edge of the basin. 11/23-12/1/05</p>	<p>-Determine what is causing the overflow/loss of muds and contain them. Remove the piles that have formed and attempt to remove additional water from the basin. 11/23-12/1/05</p>

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	<p>- In general, make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. 12/1/05</p>	<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		

Next likely scheduled inspection:

Thursday, December 8, 2005

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 Brian Sakidovitch



345kV (Umpawaug Rd Daywork): Both photos show efforts to restore bank cuts and disturbed areas along the side of the road with mulch. Several slopes along the road do require restoration when work is done. 12/1/05



Over view of active trenching occurring in the roadway. The area is contained and no need for additional controls at this particular location. 12/1/05



View of a culvert/swale located to the south of #53 where some sediment accumulation (possibly from sawcutting) was noted. The swale should be protected with controls. 12/1/05



345kV (Georgetown Deli Jack and Bore): View of the site looking north. The receiving pit had been flooded by a rise in water following the recent storm. The water was pumped out through the filtration system. 12/1/05



View of the stream in the vicinity of the receiving pit where additional silt fence and sands were installed following the flood event. It was noted that the far culvert has been clogged with vegetation and sediment prior to construction and may be a factor in the site flooding. 12/1/05



345kV (Rt. 107 Daywork): View of trenching occurring at the Rt. 107/7 intersection island. A catch basin located here requires installation of protection measures. 12/1/05



345kV (Route 7): Photo on the left shows the wetland swale near #848 at the storage yard. Landowner activities are also occurring here but monitor placement of materials to avoid sedimentation. Photo on the right shows a stockpile remaining at the intersection of School Rd. and Kristine Lilly Way. It is unclear whether this belongs to the project. 12/1/05



Both photos show continued activity near Catalpa Road. The area will require restoration when work is complete and catch basins in the area need protection measures. Stockpiles also require controls if they are in place for longer than 1 day. 12/105



A line of silt fence across this area might help contain turbid water.



345kV (School Rd HDD): Both photos show the view towards the east of the site where standing water ponds in a wetland area adjacent to the basin. Silt fence has been placed around the perimeter here but a line across will also help to keep turbid area from this resource. Muds also are adding to turbidity issues. (Photos taken 11/23/05)



Additional piles of drilling mud are noted adjacent to and in the basin. Standing water here is still extremely turbid and muds need to be controlled. 12/1/05