

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 8, 2005

Inspector: Brian Sakidovitch

Location: 345kV Underground Route

Storm/

Rain Event: Very little significant precipitation has been recorded since the last inspection with 0.11” in the form of snow/freezing rain on 12/4 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 in Wilton. 10/27-12/8/05 - Work moving south of Catalpa Rd. has resumed with stockpiles and bare soil noted. 12/1/05 - Work near the Rt. 7/107 intersection has ceased. 12/8/05 - Road work including asphalt cutting was occurring along Rt. 107, north of the Georgetown Deli. 12/8/05 - Trenching and pipe installation, continued during the day along Umpawaug Road. 10/5-12/8/05 - The Horizontal Direction Drill at School Rd. has had some technical problems with the bore. There are also still issues with turbid water. 12/8/05 - The J&B operation near the Georgetown Deli is ongoing. 	<ul style="list-style-type: none"> -Continue providing good “house- keeping” along the roadways. Controls are needed near Catalpa Rd. See additional sections for more information. 12/8/05 - None at this time. 12/8/05 -Controls are needed. See additional sections for more information. 12/8/05 -Some controls are needed. See additional sections for more information. 12/8/05 Turbid water as a result of drilling needs attention here. There is a large amount of exposed surfaces as well. See additional sections for more details.12/8/05 - This area looks mostly well contained, but see additional sections for more details.

Areas of Inspection	Observation	Recommended Action
	11/2-12/8/05	12/8/05
<p>Erosion and Sediment (E&S) Controls (includes inspection within 24 hours of a storm event) continued</p> <p>Route 7</p>	<p>-Active work is ongoing south of the Catalpa Rd. area. Bare soil/stockpiles were present. 12/1-12/8/05</p> <p>- Active work was not noted at the HS J&B area this week. 12/1-12/8/05</p> <p>-Underwater sediment accumulation was still noted in the stream at the J&B in several locations. 11/10-12/8/05</p> <p>- At the HDD, the detention area continued to hold a significant amount of turbid water and appears to have been channelized. Turbidity appears due to containment issues with drilling muds/water from tanks as well as the initial portion of the bore. 12/8/05</p> <p>- The excavation/channels noted into the basin has created a berm which may help keep water from the wetland at the eastern side of the basin.12/8/05</p> <p>-The piles of drill cutting have been excavated/removed but the entire area has a great deal of bare/exposed soil surfaces which can create turbid run-off.</p> <p>- Pooled turbid water was still identified below the tanks and migrating towards the basin which already has a large amount of standing turbid</p>	<p>- Sediment from the work had migrated to adjacent areas so stockpiles need erosion control. 12/1-12/8/05</p> <p>- If any project related work occurs, erosion controls need some attention. Clean up should also be considered if the town is not moving forward with their project. 12/8/05</p> <p>-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. 11/10-12/8/05</p> <p>- Determine how to reduce turbid run-off to this basin and reduce the amount of standing water here. 12/8/05</p> <p>- Water is contained in the basin at this time but the concern is for future large storm events. 12/8/05</p> <p>- Extend the silt fence in this location and reduce turbidity through the mud containment issue. 11/23-12/8/05</p> <p>-Determine why the mud and turbid water from the operation does not remain enclosed in the tanks and begin containing it. The basin should not be holding turbid washwater from the drilling operation this was not the intended purpose. 11/17-12/8/05</p>

Areas of Inspection	Observation	Recommended Action
	<p>stabilization to remaining disturbed areas such as shoulder cuts along the roadway. 12/8/05</p> <p>- Make sure all catch basins as well as swales are protected in any work area. 12/8/05</p> <p>- Sediment was noted across the roadway. Make sure this is being swept on a regular basis. 12/8/05</p>	<p>12/8/05</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. 12/8/05</p> <p>-Street sweep/hand sweep as necessary. 12/8/05</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. 11/10-12/8/05</p> <p>-The stream at the Georgetown Deli jack and bore was running mostly clear with a slightly turbid cast. 12/8/05</p> <p>- Wetlands south of the HDD are mostly in good shape with check dams installed. The wetland area to the east of the basin should be protected better. 11/23-12/8/05</p>	<p>- Hand shoveling is likely the best solution with instream controls in place. 10/27-12/8/05</p> <p>- Contractors state that they have been performing filter changes on a regular basis to prevent turbidity. 12/8/05</p> <p>Determine how to contain mud/washwater issues to help reduce turbidity and the potential for a future washout to this area. 12/8/05</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 down in a few locations. Landowner activities continue here. 11/23-12/9/05</p> <p>-The overall condition at School Rd. HDD area includes a lot of bare, exposed soil and turbid washwater. 12/8/05</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. 12/8/05</p> <p>- Take care with materials or disturbance too close to the swale by Rt.7. 12/8/05</p> <p>-Determine how to contain the area better. 12/8/05</p> <p>- Keep within the limits of the</p>

Areas of Inspection	Observation	Recommended Action
	<ul style="list-style-type: none"> - The racquet club storage yard has been very active with a lot of materials. Make sure inlets here are protected. 10/27-12/8/05 - A small storage area was noted along Umpawaug Rd. 12/8/05 - The CL&P yard has erosion controls well in place. 12/8/05 	<ul style="list-style-type: none"> yard and don't encroach into the brush. 10/27-12/8/05 -Restore the area when work is completed if feasible. 12/8/05 - Make sure equipment is not parked over swales. 12/8/05 - None at this time continue to monitor. 12/8/05
Soils	<ul style="list-style-type: none"> - Most soils adj. to roadways on the project route are being trucked to a waste facility in Danbury for storage and eventual disposal. - Backfill soils are allowed to be stored along Umpawaug Rd. but only for the day. 10/5-12/8/05 - Piles south of Catalpa Rd. need controls as sediment is migrating to the adjacent grassed area. 12/1-12/8/05 	<ul style="list-style-type: none"> - Soils appear to be handled appropriately. 12/8/05 -In general, if any pile remain longer than the day, controls should be placed. 12/8/05 - Install controls as piles have been noted here on and off for several weeks. 12/1-12/8/05
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 is now a factor in restoration/stabilization attempts. 12/8/05 	<ul style="list-style-type: none"> - Attend to disturbed areas as feasible in the appropriate time frames. 11/10-12/8/05
Dewatering	<ul style="list-style-type: none"> -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. 12/1-12/8/05 - 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. 11/23-12/8/05 	<ul style="list-style-type: none"> - Continue to monitor for effectiveness. The water in the stream was still running mostly clear through the project and downstream at the time of inspection. 12/1/05 - Slight turbidity occurs when filters are changed along the system but the silt fence helps to control this. 11/23-12/8/05 - Contractors have stated that

Areas of Inspection	Observation	Recommended Action
		filters are being changed regularly. 12/8/05
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- The piles of sediment noted at the HDD are actually drill cuttings and they have been removed. It is the turbid washwater containment issues that are actually causing the most problems here. 12/8/05	-Determine what is causing the overflow/loss of muds and contain them. Attempt to remove additional water from the basin. 11/23-12/8/05
	- In general, make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. 12/8/05	<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:

Wednesday, December 14, 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): View of ongoing trenching work. A swale was noted immediately adjacent and it was lacking erosion and sediment controls. Silt fence should have been installed.

12/8/05



Photo on the left shows a close up the swale immediately adjacent to the work shown above. Photo on the right shows another area of work along the roadway where sediment is noted along the road. Be sure to perform street sweeping as needed. 12/1805



Photo on the left shows a small storage pull off area. Photo on the right shows a recently disturbed shoulder/bank that should be mulched when feasible. 12/8/05



345kV (Georgetown Deli Jack and Bore): View of the site looking north. Photo on the left shows where some of the material is staged immediately adjacent to the receiving pit. A catch basin here is surrounded by disturbed soil and should be protected. 12/8/05



Photo on the left shows the silt fence and sandbags adjacent to the stream on the receiving pit side while photo on the right shows the silt fence and haybales in place adjacent to the stream on the bore pit side. 12/8/05



Photo on the left shows the stream quality still fairly clear but with a slightly more turbid cast than we have previously seen. Photo on the right shows the riprap pad and silt fence still in place and effective. 12/8/05



345kV (Route 107): Some additional street work was occurring along Rt. 107. Catch basins adjacent to the area were not protected and sediment was noted along the gutters. 12/8/05



345kV (School Rd HDD): Both photos show the controls along and south of the basin. Controls shown in the right hand photo should be upgraded to protect the wetland area immediately adjacent. 12/8/05



Photo on the left shows additional excavation/channeling towards the basin. Drill cutting piles had also been excavated and removed. Photo on the right shows a view back towards the equipment with significant amount of water present in the basin area. 12/8/05



Photo on the left shows the silt fence that had been installed by the tank pushed down by a hose and turbid water present underneath. The photo on the right shows a pool of turbid water collecting adjacent to the tanks. This water must be controlled. 12/8/05