

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: January 12, 2006

Inspector: Don Ukers

Location: 345kV Underground Route

Storm/

Rain Event: Approximately 0.53” of precipitation fell mostly in the form of rain on 1/11 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. A new storage/work area was noted across from Old Highway Rd. 1/4-1/12/06 - Roadwork along Rt. 107, south of the Georgetown Deli continues. Trenching was also continuing on from the receiving pit here. 1/12/06 - The Horizontal Direction Drill at School Rd. issues with turbid water and the containment are still present. 12/8-1/12/06 Some water removal and excavation had occurred in some spots 1/4-1/12/06 - Dewatering continues at Georgetown Deli J&B but the bore pit has been backfilled and the slope well restored . 1/12/06 - The swale used for dewatering at the Norwalk Junction site has been well restored. 1/12/06 	<ul style="list-style-type: none"> -Continue providing good “house- keeping” along the roadways. See additional sections for more information. 12/1-1/12/06 -None at this time. See other sections for more information 1/12/06 -Turbid water as a result of drilling is being addressed to some degree but needs more attention here. There is a large amount of exposed surfaces which makes control difficult. See additional sections for more details. 12/8-1/12/06 - This area looks mostly well contained, but see additional sections for more details. 1/12/06 -Some issues needs attention. See other sections for details. 1/12/06

Areas of Inspection	Observation	Recommended Action
<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"> - The silt fence at the old high school J&B site was repaired as recommended but some areas still need to be toed-in. 1/12/06 -Underwater sediment accumulation was still noted in the stream in several locations. This should be removed before spring flows disperse it downstream. 11/10-1/12/06 - At the HDD, mud, drill cutting washwater and disturbed soil on site are all contributing to turbid run-off. 12/01-1/12/06 Some excavation and water removal appears to have been attempted in the basin, but the water/mud levels are still high in some areas. 1/4-1/12/06 -A large amount of rutted and disturbed soil is present on site and equipment access will continue to make matters worse. 12/22-1/12/06 - Ruts were also noted to the west of the basin, beyond the areas encompassed by the basin. 12/22-1/12/06. - The E&S controls near the basin appear to have been improved since previous inspections. 1/12/06 - Turbid water is still pooling in the eastern wetland here and this may be the cause of slight turbidity seen in the channels beyond the controls. 1/12/06 - Turbid water from drill cuttings was noted below the tank and migrating into the 	<ul style="list-style-type: none"> - The silt fence looks much better here but still needs to be toed-in in some spots. 1/12/06 -The least impacting way to remove the sediment is likely by hand/shovel or vac truck. It should be done carefully and with the instream controls in place. 11/10-1/12/06 - Some overall solutions are needed to better stabilize this area and reduce potential of sedimentation to the river. 1/12/06. -It was determined that the mud would be excavated daily and removed to Danbury. 12/22-1/12/06 - We recommend placing swamp mats for equipment accessing the basin for future clean-outs or other movement on site, in order to provide additional stabilization and prevent future disturbance. If mats are not financially feasible, consider temporary stone on fabric. 12/22-1/12/06 -Continue to watch and maintain. 1/12/06 -Confirm that the eastern silt fence was toed in and reduce the disturbed surfaces that cause the turbidity. 1/12/06 - Confirm that silt fence here was repaired. This area should be better contained to remove another source of turbidity. 1/4-1/12/06

Areas of Inspection	Observation	Recommended Action
<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. 11/10-1/12/06</p> <p>-The stream at the Georgetown Deli jack and bore was running slightly turbid. 1/12/06</p> <p>- Bubbling (now running clear), apparently from a ground fracture, was noted in the wetlands beyond the HDD site. 12/14-1/12/06</p> <p>- A small amount of turbidity was noted in a channel beyond the basin and controls here. 1/12/06</p>	<p>- Hand shoveling or careful vac-truck use are likely the best solutions with instream controls in place. This needs to happen before spring rains disperse it. 10/27-1/12/06</p> <p>-This occurred due to the frac tanks filling with the heavy rains the previous night. 1/12/06</p> <p>- Contractors were to watch this spot carefully as well as clean up all deposited sediment. 12/14-1/4/06</p> <p>-Reducing sources of turbidity on site will likely help with this issue. 1/12/06</p>
<p>Staging, Storage, and Parking Areas</p>	<p>- The equipment storage yard on the property south of the Rt. 7 & 107 intersection was muddy but vehicles were contained. 1/12/06</p> <p>- Take care with materials or disturbance too close to the swale by Rt.7. 1/12/06</p> <p>- The landowner expressed concerns to the inspector about picking up coffee cups and other litter. 1/12/06</p> <p>-The overall condition at School Rd. HDD area includes a lot of bare, exposed soil and turbid washwater. Stabilization is needed here for equipment movement as well. 12/14-1/12/06</p> <p>- The racquet club storage yard has been very active with a lot of materials. Make sure inlets here are protected. 10/27-1/12/06</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. 1/12/06</p> <p>-Practice good housekeeping. 1/12/06</p> <p>-Develop more source-based solutions on how to contain and stabilize the area better. 12/14-1/12/06</p> <p>- Keep within the limits of the yard and don't encroach into the brush. 10/27-1/12/06</p> <p>- Be sure to pick up and</p>

Areas of Inspection	Observation	Recommended Action
	-A new storage area was noted across from Old Highway Rd. 1/4-12/06	contain all potentially spillable materials by the end of a work day. 1/4-1/12/06
Soils	<p>- Most soils adj. to roadways on the project route are being trucked to a waste facility in Danbury for storage and eventual disposal.</p> <p>- Soils from the trench above Norwalk River on Rt. 107 is stored at an adjacent parking lot. 1/4-1/12/06</p> <p>- Mud is being excavated from the HDD basin and transported to Danbury as a partial solution to the turbidity issues here. 12/14-1/12/06</p>	<p>- Soils appear to be handled appropriately. 1/12/06</p> <p>- The soils are well contained at this time. 1/4-1/12/06</p> <p>- Some excavation may have been performed but it will need to continue. 12/14-1/12/06</p>
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)	<p>-Snow cover/frozen ground is now a factor in restoration/stabilization attempts. 12/8-1/12/06</p> <p>- Some erosion was noted in previously restored areas such as near Scribner Hill Rd. 1/4/06</p>	- Attend to disturbed areas as feasible in the appropriate time frames. 11/10-1/12/06
Dewatering	-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 millions of gallons of water since the start of the project. 12/1-1/12/06	- Continue to monitor for effectiveness. Heavy rains overloaded the frac tanks and caused backwash in the filter leading to slight turbidity within the silt fence/river. 1/12/06
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	<p>- The turbid washwater and sediment containment issues from the bore work and drill cuttings still need larger solutions at the HDD. 12/8-1/12/06</p> <p>- The issues at the re-fueling</p>	<p>- The basin is being excavated of mud but larger stabilization/source control measures should be examined. 1/12/06</p> <p>-Continue to monitor. If this is</p>

Areas of Inspection	Observation	Recommended Action
	<p>tank at the HDD site were apparently addressed and plastic was installed. 1/12/06</p> <p>- The Deli J&B yard was largely restored and the sheen was not noted. 1/12/06</p>	<p>a leak of any kind, it needs repair. 1/12/06</p> <p>-None at this time. 1/12/06</p>
Spills and Material Storage	<p>- In general, make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. 1/12/06</p>	<p>- The contractors should remain vigilant about securing and handling fuel containers.</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.</p> <p>- Check equipment status on a regular basis and keep spill kits on hand.</p> <p>- Report spills immediately, even if they are being controlled.</p>
Additional Observations	<p>- Address landowner concerns regarding picking up litter at the storage yard near the Rts. 7/107 intersection.</p>	

Next likely scheduled inspection: Thursday, January 19, 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 (Georgetown Deli Jack and Bore): Photo on the left shows the stream with some minor turbidity retained in the silt fence. Photo on the right shows the receiving pit side where trenching continues from the pit. 1/12/06



Photo on the left shows the bore pit side where backfilling has occurred. The slope has been well restored with straw mulch. 1/12/06



345kV (Rt. 107/ Rt. 7 storage area) Both photos show an overview of the storage area. Conditions are muddy here but the equipment is fairly well contained. The landowner did express some concerns to the inspector about cleaning up coffee cups and other litter. 1/12/06



345kV (High School J&B): Overall view of the site. The silt fence was repaired in the worn spots as recommended but there are still some areas that need to be toed-in. 1/12/06



345kv (HDD): Overall view of the basin and bore site. It appears that excavation is occurring in some areas. The site still remains highly disturbed. 1/12/06



Photo on the left shows the basin where erosion controls appear to have been improved from previous weeks. The photo on the right shows some minor turbidity that was noted in the channels beyond the basin. This is likely due to the ponded turbid area to the east of the basin. 1/12/06



Another view of the overall site at some of the disturbed soil and attempts to excavate. Further stabilization is needed. 1/12/06



345kV (Norwalk Junction): Both photos show excellent restoration of the swale and adjacent area that was used for directing dewatering discharge from the vault installation. The swale was lined with erosion matting/netting and adjacent areas were heavily mulched. 1/12/06