

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: August 25, 2005

Inspector: Don Ukers

Location: 345kV Underground Route

Storm/

Rain Event: The area has received only a trace of precipitation since the last inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	<ul style="list-style-type: none"> - Trenching, pipe installation, and sawcutting operations continue along Rt. 7 in Wilton during the night. 8/25/05 - Trenching, pipe installation, and saw cutting continued along Rt. 107 during the day in the vicinity of #145. 8/25/05 - The vault/manhole contractor is working at a location across from Zion Hill Church off roadway. 8/25/05 -Active work for a jack and bore of a stream near Allens Meadows Park is occurring. The jacking pit is under construction and the bore is not underway yet. 8/25/05 	<ul style="list-style-type: none"> -The majority of the work has been in the roadway and seems contained for the most part. Some work is also located off the road shoulder and disturbed areas need some attention. See erosion control and material storage sections for specific recommendations. 8/25/05 - Despite efforts to control the dewatering here, turbid water is still reaching the stream. Alternatives are needed. 8/25/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - It appears areas of silt fence remain installed in the areas of active work along Rt. 7 and Rt. 107 where needed but several areas of silt fence are down. 8/25/05 	<ul style="list-style-type: none"> - Continue to monitor and maintain and repair the fence in the vicinity of active work. If work returns to the areas where the silt fence is down, it must be repaired before active work begins. 8/25/05

Areas of Inspection	Observation	Recommended Action
	<p>from the jacking pit was placed improperly leading to water discharging to the stream. This was rectified but turbid water is still entering the stream after it moves through all of the controls in place at the settling basin. 8/25/05</p>	<p>controls. Some recommendations are more haybales and silt fence staked at the outer edge of the spillway. Silt fence could also be placed to line the basin near the spillway before it percs out. The discharge hose should be placed at the far side of the basin from the stream to allow more settling time. 8/25/05</p> <p>- In general, keep slurry muds in control as catch basins may outlet to wetlands.</p>
<p>Staging, Storage, and Parking Areas</p>	<p>- The silt fence at the equipment storage yard located on property off Rt. 7, south of the Rt 107 and 7 intersection has been completely pushed over by separate landowner activities. 8/19-8/25/05</p> <p>- The additional storage and staging yards for equipment and constructing trench materials along Rt. 7, appears to be in good repair. 8/19/05</p> <p>-At the School Rd. storage area, the soil surface is disturbed where the stockpiles had been. If bore staging work is not scheduled here soon, it should be temporarily stabilized. 8/25/05</p>	<p>- It needs to be confirmed whether the fence was repaired but it doesn't appear to be. Wetlands are located immediately adjacent. 8/25/05</p> <p>- In general, equipment should not be left above or adjacent to wetlands during inactive hours.</p> <p>- Continue to keep the area contained. Keep materials and equipment to a condensed area where possible. 8/25/05</p>
<p>Soils</p>	<p>- Most soils along 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 are being used in the landfill as daily cover. 7/14-8/25/05</p>	<p>- Soils appear to be handled appropriately. 8/25/05</p>

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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>-Several areas of bare soil where trenching and vault installation occurred off roadway are still present, including near the athletic fields. The area has rocks left on the surface and should be regraded and restored to lawn. 8/25/05</p> <p>- The vault/manhole area in front of a single family home on Rt. 107 is well restored. 8/25/05</p>	<p>- When ground cover removal is necessary along the sides of the roadway, the areas should be restored and reseeded following the work. 8/25/05</p> <p>- According to the D&M plan, areas that are disturbed but will not be worked in for over 21 days should be temporarily stabilized/reseeded after 7-14 days. Restoration crews should be attending these areas prior to the deadline.</p>
Dewatering	<p>-Dewatering that occurs within the trench work along Rt. 107 and Rt. 7 is being directed to a frac tank truck.</p> <p>- Significant dewatering is needed for the jack and bore of the stream. Issues are discussed in the wetlands sections. 8/25/05</p>	<p>- It could be determined whether the watershed basin is stressed due to removal of the groundwater.</p> <p>-In general, keep dewatering from any clean soils directed to haybales/corrals as proposed. Do not allow unfiltered water to discharge directly to wetlands, streams or catch basins.</p>
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- No spills or leaks were observed during the inspection. 8/25/05	<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>

Areas of Inspection	Observation	Recommended Action
Additional Observations		

Next likely scheduled inspection: Thursday, September 1, 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 Don Ukers



345kV (Route 7 Wilton): The photo on the left shows areas along the athletic fields which need to be restored. The photo on the right shows the School Rd. area where disturbed soil should also be temporarily stabilized unless the staging work occurs here soon. (8/25/05)



View of the jacking pit near Allens Meadow Park and north of the high school to jack and bore an adjacent stream. Dewatering is required and work has been slowed by other utilities. (8/25/05)



View of the settling basin set up to receive the water from the jacking pit (8/25/05)



The photo on the left shows the spillway and controls set up to filter the water leaving the settling basin. The photo on the right shows that turbid water is still entering the stream and getting through to the final sediment barrier staked within the stream itself. (8/25/05)



View of the stream below the spillway from the basin. Despite the controls and efforts made, turbid water is still making it to the stream. (8/25/05)



View of the storage yard near the Rt. 107/7 intersection. It needs to be confirmed whether silt fence was restored following the landowner's activities. (8/25/05)