

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: September 15, 2005

Inspector: Brian Sakidovitch

Location: 345kV Underground Route

Storm/

Rain Event: The area received a rain event with localized amounts between 0.45” and up to 1.05” as reported by NOAA. Totals may be more or less depending on location.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	<ul style="list-style-type: none"> - Trenching, pipe installation, and sawcutting operations continue in several locations along Rt. 7 in Wilton during the night. 9/15/05 - Trenching, pipe installation, and saw cutting continued along Rt. 107 during the day in the vicinity of Umpawaug Road and north of the Georgetown Deli. 9/15/05 -Active work for a jack and bore of a stream near Allens Meadows Park is ongoing. The jacking pit and receiving pit are now both operational and the pipe is being jacked through. A number of issues were noted here this week and the contractor was notified. Efforts were made the following day to help address these. 9/15/05 	<ul style="list-style-type: none"> -The majority of the work has been in the roadway and seems contained for the most part but there are a few issues that require attention. Continue to provide attention to any off- road areas that need restoration. See additional sections for specific recommendations. There is also a need for good “housekeeping” along the roadways. 9/15/05 - Following the rain, water in the stream was once again turbid. The new discharge points from the receiving pit are also much more turbid that the established jacking pit well points. The erosion controls here also needed attention. Efforts need to continue here. 9/15/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - The silt fence located at the edge of the original storage yard near the Rt. 107 and 7 intersection is still down completely, originally due to separate landowner activities. 8/19-9/15/05 	<ul style="list-style-type: none"> -The fence has not been repaired but should be as a limit of work. Wetlands are immediately beyond the yard. This issue has been on the reports for a number of weeks now. 8/19-9/15/05

Areas of Inspection	Observation	Recommended Action
<p>Erosion and Sediment Controls (continued)</p>	<ul style="list-style-type: none"> - An area of silt fence in the work area just off Rt. 107 on Umpawaug Rd. was still down due to placement of materials and equipment. 9/7-9/15/05 - In a few locations north of the Georgetown Deli, some materials were left over the guardrail even though they were several hundred feet from work. 9/15/05 -The machinery was moved from the edge of the woods noted last week but the soil was ripped up here. 9/15/05 	<p>of sediment attributed to the project. Contain all muds and monitor where water is flowing even when catch basins are not the receivers. 9/15/05</p> <ul style="list-style-type: none"> - The fence here should be restored. 9/15/05 - Good “housekeeping” appears to be necessary in these locations. Materials should be placed in storage areas and contained with the work. 9/15/05 - Either mulch and seed the disturbed soil or place silt fence up at this location. (This is at a small side street north of the Georgetown Deli work). 9/15/05
<p>Adjacent Wetlands and Waterways</p>	<ul style="list-style-type: none"> -At the jack and bore near Allens Meadow Park, sediment has been accumulating at the edge of the spillway at the stream’s edge. The rain event had also led to increased turbidity in the stream which was addressed previously in the report. 9/15/05 - The excavator has been moved as recommended. 9/15/05 	<ul style="list-style-type: none"> - When the settling basin is removed and closed up, remove the additional sediment accumulation at the edge of the stream carefully by hand/shovel. 9/1-9/15/05 - Continue to evaluate this site for improvements to reduce turbidity. 9/15/05
<p>Staging, Storage, and Parking Areas</p>	<ul style="list-style-type: none"> - 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. 8/19-9/15/05 - The Georgetown work area could use improvement of storage methods as materials 	<ul style="list-style-type: none"> - The fence is not yet repaired but should be as a limit of work. Wetlands are located immediately adjacent. This has been on the reports for several weeks now. 8/19-9/15/05 - Materials should be placed appropriately in storage areas

Areas of Inspection	Observation	Recommended Action
Staging, Storage, and Parking Areas (continued)	<p>were placed over the guardrail and not always immediately adjacent to the work. 9/15/05</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. 9/1-9/15/05</p> <p>-Several storage areas along Rt. 7 including the Wilton Racquet Club and just north of the jack and bore have materials into the brush line. 9/15/05</p>	<p>or immediately adjacent to work each night. No potentially spillable materials should be left behind or out overnight. 9/15/05</p> <p>- Consider temporary restoration measures here if the need for staging is not scheduled in the near future. 9/1-9/15/05</p> <p>- Keep storage areas contained as much as possible, avoiding disturbance to vegetation that wasn't already cleared. The areas do not have any clear limit of work boundaries. 9/15/05</p>
Soils	<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.</p>	<p>- Soils appear to be handled appropriately. 9/15/05</p>
State species of concern, threatened and endangered species	<p>- No species of concern are located in this area of construction.</p>	<p>- N/A</p>
Vegetative clearing limits (including trees to save or danger trees noted)	<p>-The area near the rt. 107 and 7 intersection is well restored and mulched. 9/15/05</p> <p>- Continue restoration efforts on all areas off the roadway where soil has been disturbed, including near the School Rd. storage if the staging is not scheduled soon and near Zion Church within the set time limits. 9/15/05</p>	<p>-None at this time. 9/15/05</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>- It could be determined whether the watershed basin is stressed due to removal of the groundwater.</p>

Areas of Inspection	Observation	Recommended Action
	<p>- Dewatering continues from both the jacking and receiving pits at the jack and bore. Following the rain event, there is considerable volume of water going to the basin. 9/15/05</p>	<p>-Turbidity issues were noted in the stream this week and the site should continue to be evaluated for improvement to this condition. Do not allow unfiltered water to discharge directly to wetlands, streams or catch basins.</p>
Blasting	<p>- No blasting is occurring on site at this time.</p>	<p>- None at this time.</p>
Spills and Material Storage	<p>- A small drip spot was noted under a truck near the jack and bore. 9/15/05</p> <p>- Make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. 9/7-9/15/05</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>- Some sediment tracking to the roadway was noted near the jack and bore due to muddy conditions. 9/15/05</p>	

Next likely scheduled inspection: Wednesday, September 21, 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 (Route 107 Daywork North of Georgetown Deli): View of the trench work and associated materials. Good “housekeeping” should be performed at the end of each day. (9/15/05)



345kV (Rt 7): Photo on the left shows some runoff from the roadway appeared to cause some erosion in the vicinity of #465 (Dr Rosen’s office). Erosion controls should be installed at swales/drainways near active work. Photo on the right shows some damage to adjacent guardrail. Store materials appropriately and make necessary repairs to existing infrastructure. (9/15/05)



(345kV: Rt. 7) Photo on the left shows where stockpiles had been removed and the area reseeded and mulched. Photo on the right shows some materials being stored beyond the brush line near the Wilton Racquet Club. Storage areas should have a limit of work line. (9/15/05)



(345kV: Rt. 7) Wilton High School: Photo on the left shows the progress of the trench where the jack and bore is occurring. Photo on the right shows some mud tracking into the roadway from the site. (9/15/05)



Photo on the left shows the jacking pit side where erosion control had been down on the day of the inspection. The photo on the right shows the repairs made the following day. (9/15-16/05)



Photo on the left shows a view of the receiving pit side of the stream which is now dug. Photo on the right shows some of the excavate which was not encompassed by silt fence on the day of the inspection. This was rectified the day following the inspection. (9/15/05)



Due to difficulty keeping discharge to the stream clear, the hoses from the jacking pit were placed directly on the stone outlet pad while the dirtier water from the receiving pit remains in the settling basin. (9/16/05)



Photo on the left shows the turbid water in the stream on the day of inspection following the rains. Photo on the right shows the better quality of the water on the day following inspection after some repairs were made. (9/16/05)