

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: October 5, 2005

Inspector: Lee Curtis

Location: Norwalk Substation Expansion

Storm/

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

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<p>- Vegetation is growing within the inlet near the Route 7 ramp which helps filter sediment. Silt fence is still partially collapsed and the surrounding stone also helps to filter. The area seems fairly stable. 8/19-10/05/05</p> <p>- Utility work was complete along the New Canaan Ave sidewalk but it is awaiting final concrete placement. 9/29/05-10/05/05</p>	<p>-The area should continue to be monitored to some degree but sediment is being filtered well by the stone and new growth. The silt fence could even be removed with the stone in place. 10/05/05</p> <p>- None at this time. 10/05/05</p>
Foundation construction	<p>-A few foundations remain out at the ROW and active work and splicing continued at the northern portion of the yard. 9/29/05-10/05/05</p> <p>- Work associated with the installation of the 345 kV Turning Structure was ongoing at the time of inspection. Sheet piling, jersey barriers, concrete blocks, and silt fence were installed around the work area for the caisson drilling. Approved, temporary fill was required for access and work pad construction. 10/05/05</p>	<p>- Most excavation and backfill work is well within the yard and areas are contained.</p> <p>-Erosion control outside of the yard should be maintained until the area is stabilized 9/29/05-10/05/05</p> <p>-At completion of the caisson installation, all barriers, blocks, piling, and temporary fill should be removed and the site restored to its original condition. Silt fence should be monitored and maintained until the site is stabilized. 10/05/05</p>

Areas of Inspection	Observation	Recommended Action
<p>Erosion and Sediment Controls</p> <p>(includes inspection within 24 hours of a storm event)</p>	<p>-The channel slopes have recently been reseeded and have some increased growth. 10/05/05.</p> <p>- Sedimentation from the access road off the Rt. 7 ramp was noted in the vegetated perimeter swale but it did not leave the site. 9/21/05-10/5/05</p> <p>- Large amounts of stormwater from the Rt. 7 ramp as well as portions of the perimeter of the site continue to flow to the inlet but the vegetation and stone aid filtration. 8/19-10/05/05</p> <p>- Work on the turning structure across the overflow channel was ongoing. Silt fence was installed behind the jersey barriers and immediately adjacent to the river, but was in need of repair. 10/5/05</p>	<p>-The remaining bare soil areas from the original attempt to revegetate will be monitored for growth and cover. 10/5/05</p> <p>- Sedimentation and gravel remain contained within the swale. The access road will be paved eventually which will remove the problem. Continue to monitor area until final stabilization. 9/21/05-10/5/05</p> <p>- Continue to monitor the area and the silt fence could be removed as the stone is now in place. 10/05/05</p> <p>- Contractors were aware of the damaged silt fence and were preparing for repairs. All silt fence should remain in tact until the area is stabilized. 10/05/05</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>-The work on the 345 kV Turning Structure located adjacent to the river and the overflow channel is ongoing. Approximately 200 yards of approved, temporary fill was placed in the natural overflow portion of the channel as a temporary access road and work area. 10/5/05</p> <p>- Sheet piling was installed at the channel entrance as a temporary, partial dam for the work. 10/5/05</p>	<p>- Continue to monitor for erosion controls and access. At completion of the caisson drilling, all temporary fill should be removed and the site restored to its original condition. 10/5/05</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>

Areas of Inspection	Observation	Recommended Action
Vegetative clearing limits (including trees to save or danger trees noted)	-Some clearing near the overflow channel and island was necessary to access the work site for the tower. 9/29/05-10/5/05	- Clearing was limited to what is necessary and it will continue to be monitored. 9/29/05-10/5/05
Dewatering	- No dewatering was noted at this time but a slurry pit was being constructed to handle all mud removed from the foundation hole. 10/05/05	-None at this time, keep all slurry produced well contained. 10/05/05
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills and Material Storage	- No drips or leaks were noted on the site at the time of inspection. 10/05/05.	<p>In general:</p> <ul style="list-style-type: none"> - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. - The contractors should remain vigilant about securing and handling fuel and all other material containers due to the sensitivity of the area. - Report spills to the office immediately, even if they are being controlled. - Take care not to get carried away and to be vigilant when refueling. - All fuels and agents not in use should be covered and stored in the sheds and trailers before leaving for the day.
Additional Observations	-Trenching for the Gas Insulated Transmission Line (GITL) was occurring on the western side of the GIS building. 10/5/05	-This excavation and backfill work is well within the yard and areas are contained. 10/5/05

Next likely scheduled inspection:

Thursday, October 13, 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: Lee Curtis

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Date: October 5, 2005

Inspector: Lee Curtis

Location: Plumtree Substation Expansion, Bethel

**Storm/
Rain Event:** The area received only traces of precipitation since the last inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 10/5/05	- None at this time.
Foundation construction	-The remaining work is mostly electrical and within the control house. Portions of the site are being energized. 10/05/05. -Steel structures are being filled in between the existing yard and connected overhead to the pad. 9/29-10/5/05	- The areas are all contained at this time.10/5/05 - Open excavations were not observed at this time. 10/5/05.
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- Although no silt fence is in place, the perimeter stone berm continues to work well to control the yard. 10/5/05	-All stockpiles are well-contained and the berm is working effectively at this time. 10/5/05

Areas of Inspection	Observation	Recommended Action
	- The small remaining piles of sand/soil are not covered in plastic but are well within the site. 3/2-10/05/05	-Continue to monitor status and cover stockpiles with plastic if necessary. 3/2-10/5/05
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. The work within the substation yard has caused no observed sedimentation. 10/5/05	- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 10/5/05
State species of concern, threatened and endangered species	-The sand pile has been surrounded with safety fence but there seems to be little evidence of a valid nest at this point. 8/19-10/5/05 - The pile may be removed when necessary. 9/15-10/5/05	- Everyone at the substation also remains aware and will move machinery carefully in case the individual turtle returns. We will continue to monitor the nest as long as the pile remains but it does not appear to be valid at this time. 10/5/05
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- Dewatering was not observed during the inspection. 10/5/05	- None at this time. 10/5/05
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- No leaks or drips had been noted at the site at the time of inspection. 10/5/05	- The contractors should remain vigilant about securing and handling fuel containers. - 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. - Report spills to the office immediately, even if they are being controlled.
Additional Observations	- Following completion of a few future scheduled activities, this substation can be removed from the inspection route. 10/5/05	

Next likely scheduled inspection:

Thursday, October 13, 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: Lee Curtis



Norwalk Substation: View of the temporary, approved fill placed in the natural overflow area to create a work area and temporary access to the 345kV Turning Structure. 10/5/05



A view of the sheet piling installed as a temporary, partial cofferdam at the northern portion of the temporary work area. 10/5/05



Additional photographs of the work associated with the 345 kV Turning Structure: Photo on the left shows rebar being transported to work area. Photo on the right shows approximate location of caisson drilling. 10/5/05



The silt fence behind the jersey barriers and adjacent to the river was in need of repair. Contractors were aware of the damage and were preparing for repairs. 10/5/05



Trenching for the Gas Insulated Transmission Line was occurring on the western side of the GIS building. 10/5/05



Plumtree Substation: Work continues on structures connecting to the equipment on the concrete pad. 10/5/05