

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 21, 2005

Inspector: Diana Walden and Lee Curtis

Location: Norwalk Substation Expansion

Storm/

Rain Event: The area received a rain event with localized dounpours between 0.72” and up to 1.02” over 9/16-9/17 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. 8/19-9/21/05</p> <p>-Work was complete along the New Canaan Ave sidewalk and the area was restored. 9/21/05</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. 9/21/05</p> <p>- None at this time. 9/21/05</p>
Foundation construction	<p>-The 986 and 987 structures were constructed/completed on the foundations at the northern end of the substation in the ROW. 9/21/05</p> <p>- Active work was located at the northern portion of the yard to pull cable. 9/15-9/21/05</p>	<p>- Continue to maintain associated erosion control until the area revegetates. 8/25-9/21/05</p> <p>- All excavation and backfill work is well within the yard and areas are contained, no issues at this time. 9/21/05</p>
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<p>-The channel slopes have recently been reseeded as recommended and will be monitored for success of revegetation. 9/15/05.</p>	<p>-The remaining bare soil areas from the original attempt to revegetate will be monitored for growth and cover. 9/15/05</p>

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls continued	<ul style="list-style-type: none"> - Sedimentation from the access road off the Rt. 7 ramp was noted in the vegetated perimeter swale but it did not leave the site. 9/15-9/21/05 - 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. 8/19-9/21/05 - Preparation will begin soon on the erosion controls and access to the work across the overflow channel. 9/21/05 	<ul style="list-style-type: none"> - 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 - Continue to monitor the area and the silt fence could be removed as the stone is now in place. 9/21/05 - This are will be monitored when work begins. 9/21/05
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> -Work to install a structure near the wetlands and river is scheduled to begin in the next week. Materials for the work are being stockpiled on site. 9/21/05 	<ul style="list-style-type: none"> -None at this time. Continue to monitor.
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"> - The bare areas of soil along the overflow channel slopes have recently been seeded. 9/15-9/21/05 	<ul style="list-style-type: none"> - Most areas along the retaining wall and channel are well vegetated and the seeded areas will be monitored. 9/21/05
Dewatering	<ul style="list-style-type: none"> - No dewatering was noted at this time. 9/21/05 	<ul style="list-style-type: none"> -None at this time. 9/21/05
Blasting	<ul style="list-style-type: none"> - No blasting is occurring on site at this time and it is not anticipated to be necessary. 	<ul style="list-style-type: none"> - None at this time.
Spills and Material Storage	<ul style="list-style-type: none"> - A minor spot on the soil was noted in the general equipment storage area near the GIS building. The soil will be shoveled up and disposed of. 	<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

Areas of Inspection	Observation	Recommended Action
Spills and Material Storage continued	9/21/05 - No other drips or leaks were noted on the site at the time of inspection. 9/21/05	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		

Next likely scheduled inspection:

Thursday, September 29, 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

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Date: September 21, 2005

Inspector: Diana Walden and Lee Curtis

Location: Plumtree Substation Expansion, Bethel

Storm/

Rain Event: The area received a rain event with localized dounpours between 0.72" and up to 1.02" over 9/16-9/17 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 9/21/05	- None at this time.
Foundation construction	-The remaining work is mostly electrical and within the control house. 6/15-9/21/05 -Steel structures are being connected overhead to the pad. 9/21/05	- The areas are all contained at this time. 4/6-9/21/05 - Open excavations were not observed at this time. 9/21/05
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. 9/21/05	-All stockpiles are well-contained and the berm is working effectively at this time. 9/21/05
	- The small remaining piles of sand/soil are not covered in plastic but are well within the site. 3/2-9/21/05	-Continue to monitor status and cover stockpiles with plastic if necessary. 3/2-9/21/05
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. 9/21/05	- 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. 9/21/05
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. 8/19-9/21/05 - The pile may be removed	- 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

Areas of Inspection	Observation	Recommended Action
	when necessary. 9/15-9/21/05	pile remains but it does not appear to be valid at this time. 9/21/05.
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	- Minor dewatering from a manhole was necessary earlier in the week but none was observed during the inspection. 9/21/05	- None at this time, water was directed appropriately. 9/21/05
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. 9/21/05	<ul style="list-style-type: none"> - 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. 9/21/05	

Next likely scheduled inspection:

Thursday, September 29, 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



Norwalk Substation: View of the newly installed/constructed 986 and 987 structures at the edge of the ROW at the northern end of the substation. (9/21/05)



View of the back of the GIS building where installation of equipment is ongoing. (9/21/05)



The access road off the Rt. 7 ramp is leading to some sedimentation to the perimeter swale but it remains contained on site and the drive will be paved eventually. (9/21/05)



Plumtree Substation: Work continues on structures connecting to the equipment on the concrete pad. (9/21/05)