

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 30, 2004

Inspector: Chuck Gidman

Location: Norwalk Substation Expansion

**Storm/
Rain Event** The area received another 2.75-3 inches of rain over 9/28–9/29. The monthly total for September in this area is about 9 inches of rain.

Areas of Inspection	Observation	Recommended Action
Access Roads	<ul style="list-style-type: none"> - Access roads are completely accessible but are muddy following the rain. 9/30/04 -New Canaan Avenue is still free of tracked sediment from the Norwalk site. 9/30/04 	<ul style="list-style-type: none"> - None at this time. Continue to monitor. 9/30/04 - None at this time. Continue to monitor. 9/30/04
Foundation construction	<ul style="list-style-type: none"> - Work around retaining wall #3 continues with backfill and bringing areas to grade. 9/30/04 - Conduit work on site is largely complete. Construction trailers were relocated to prepare for work in their vicinity. 9/30/04 	<ul style="list-style-type: none"> -The areas near the Route 7 ramp have been backfilled and there was no soil migration. Areas are contained at this time. 9/30/04 - None at this time. 9/30/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - The silt fence is sufficient in most areas with vegetative cover present in many locations. 9/30/04 - One spot of fence near wall #5 could use reinforcement or repair as it is under strain from sedimentation 9/23-9/30/04 	<ul style="list-style-type: none"> - Continue to be proactive in silt fence repair and maintenance.

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls continued	- The erosion at the northernmost portion of the bike pike has been repaired and the path was extended further north. 9/30/04	- Paving is now proposed in the coming week and this should reduce the chance of future erosion. 9/30/04
	- The topsoil stockpile remains well contained along the retaining wall and portions have been used on site. 9/23-9/30/04	- The pile will continue to be used where necessary in areas to be grassed in the future. 6/30-9/30/04
	-The repairs made last week to the soil covering within the overflow channel were again partially washed out due to a large rain event. The timing of both storms were unfortunate as stabilization did not have time to occur. 9/30/04	- Repairs are currently on hold while discussions are ongoing to determine how to best stabilize the soil. By this late in the season, vegetative establishment may be difficult to get. Alternatives such as erosion matting or blankets should be considered. 9/30/04
	-Some areas adjacent to the overflow channel still have fairly sparse vegetative cover. 8/12-9/30/04	-Getting seed and cover to establish here will be important before the growing season is over, which is rapidly approaching. 8/26-9/30/04
Inland Wetland and Watercourse encroachment and mitigation	- Most areas have sufficient vegetative cover but a few areas remain sparse. The area adjacent to the channel especially requires stabilization as the rains caused a loss of soil here. 9/23-9/30/04	- Continue to monitor silt fence and repair as necessary, especially in the portions closest to the river. 9/30/04 - Alternatives are being investigated due to the nearing end of the growing season. 9/30/04
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)	-There should be no need for further clearing for most of the site. Landscaping is planned for along the bike path and native species are to be used. 9/30/04	- The old scour area was not impacted by the floodwaters during this second storm. The vegetation had established enough to prevent any erosion here. 9/23-9/30/04

Areas of Inspection	Observation	Recommended Action
Dewatering	- Dewatering activities are complete at this time.	-No actions required at this time.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills	<ul style="list-style-type: none"> - There were no spills reported during the week. -The pads under the rascal roller have been changed. 9/30/04 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area - Continue to 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	- As previously noted, new road work, has been identified on the bridge on Broad Street to the north. 9/10-9/30/04	- The work is unrelated to the Norwalk substation but should be noted as it is occurring in the adjacent area and could be a potential off-site sedimentation source. 9/10-9/30/04

Next likely scheduled inspection:

Thursday October 7, 2004

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 30, 2004

Inspector: Chick Gidman

Location: Plumtree Substation Expansion , Bethel

**Storm/
Rain Event** The area received another 2.75-3 inches of rain over 9/28–9/29. The monthly total for September in this area is about 9 inches of rain.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 9/3/04	- None at this time. 9/30/04
Foundation construction	-The GIS slab excavation is ongoing with grading and some new footings/structures. 9/30/04 - Soil is being actively hauled off site at this time. Remaining excavate is being combined into stockpiles for backfill and covered. 9/16-9/30/04	- The areas are well contained at this time. The rainwater did not discharge to any areas off site. 9/23-9/30/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The site contained areas of ponded water following the second storm as well, but there were no off site discharges. 9/23-9/30/04	- None at this time 9/30/04
	- There is no silt fence in place at this time, however most stockpiles are covered in plastic and no sedimentation has occurred. 9/16-9/30/04	-All areas are well-contained and there is no sedimentation near any off site areas. 9/30/04 - Continue to be proactive in plastic placement and maintenance. 9/30/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The stone perimeter berm is well in place and contains the yard. It prevented any turbid water from leaving the site during the second storm as well. 9/30/04	- The berm is working well at this time. Continue to monitor for any trouble spots. 9/30/04
	- The concrete washout station is assembled and in use. 9/30/04	- The main objective is to keep all washout water from storm drains and resource areas. 9/30/04
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. Work is closer to the perimeter fence than before but there is no noted sedimentation to the wetland area. 9/10-9/30/04	- 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, even with the recent high rain levels 9/23-9/30/04
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)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- Dewatering activities have continued in order to remove standing water from the excavations. 9/23-9/30/04 - The water is being directed to flat, stoned areas within the center of the yard and is being directed away from the stockpiles and excavations. 9/16-9/30/04	- None at this time.
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills	- There were no spills reported during the week or noted on site during the inspection. There are very few	- The contractors should remain vigilant about securing and handling fuel containers.

Areas of Inspection	Observation	Recommended Action
	pieces of machinery on site at this time. 9/30/04	<ul style="list-style-type: none"> - 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		

Next likely scheduled inspection: Thursday October 7 , 2004

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



Following last week's repairs on the soil erosion within the overflow channel, another large storm event caused similar damage and washouts. 9/30/04



View of the southern portion of the channel where some erosion had occurred in the recently repaired areas. Further repairs are on hold while discussions on how to best stabilize the area are ongoing. 9/30/04



View of the area near retaining wall #5 which again had flows over the silt fence but remains stabilized with vegetative cover. 9/30/04



The bike path erosion has been repaired and the path was extended further north. The path will likely be paved during the following week. 9/30/04



Plumtree Substation: View of the continuing excavation, grading and work on the GIS concrete pad.. 9/30/04



Overall view of the site with stockpiles covered in plastic. Rainfall and any sediment continues to be kept on site within the perimeter berm, even following the second large storm in two weeks. 9/30/04