

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 16, 2004

Inspector: Chuck Gidman

Location: Norwalk Substation Expansion

**Storm/
Rain Event** Only several tenths of an inch of rain have fallen since the previous inspection.

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. 9/16/04 - New Canaan Avenue is still free of tracked sediment from the Norwalk site. 9/16/04 	<ul style="list-style-type: none"> - None at this time. Continue to monitor. 9/16/04 - None at this time. Continue to monitor. 9/16/04
Foundation construction	<ul style="list-style-type: none"> - The conduit bank has been encased in concrete and is being backfilled. Several form footings have been constructed here as well. 9/16/04 - The construction of retaining wall #3 is complete with only superficial (railing work) activities remaining. 9/16/04 	<ul style="list-style-type: none"> - Resulting exposed soil has not shown signs of migrating however plastic sheeting or haybales should be used if it becomes necessary. 9/10-9/16/04 - None at this time. 9/16/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - Remaining areas of fence appear to be in good shape. 9/16/04 	<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 area adjacent to the bike path in the northern portion of the site is being excavated for placement of a fence. 9/16/04	- The area is contained at this time but with recent tendencies for sheet flow to wash down the bike path, a check dam should be placed here following construction. 9/16/04
	- The topsoil stockpile remains well contained along the retaining wall and fill activities continue to the east of wall #2. 6/30-9/16/04	- The pile will continue to be used where necessary in areas to be grassed in the future and all soil is well contained. 6/30-9/16/04
	<p>-Topsoil and seed have been placed along most portions of the sides and banks of the overflow canal as shown on approved plans. Coconut biologists remain in place below the soil. 9/16/04</p> <p>- The amount of seed appeared conservative and it might be necessary to reseed depending on results. 9/16/04</p>	- Vegetative cover should be established on the area adjacent to the channel as soon as possible to help minimize erosion. 9/16/04
	-Some areas adjacent to the overflow channel still have fairly sparse vegetative cover. 8/12-9/16/04	-Getting seed and cover to establish here will be important before the growing season is over. 8/26-9/16/04
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 storms cause some erosion here. 9/10/04	- Continue to monitor silt fence and repair as necessary, especially in the portions closest to the river. 9/10/04
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	- The old scour area will be monitored for cover. Future observations may find that a more significant root structure

Areas of Inspection	Observation	Recommended Action
	native species are to be used. 9/10/04	is needed here. 5/27-9/10/04
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	- There were no spills reported during the week. Several diapers were noted under stationary equipment to prevent any potential drips. 9/10-9/16/04	- 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, including clearing has been identified on the bridge on Broad Street to the north. 9/10-9/16/04	- 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. 9/10-9/16/04

Next likely scheduled inspection:

Thursday September 23, 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 for Chuck Gidman

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Date: September 16, 2004

Inspector: Chuck Gidman

Location: Plumtree Substation Expansion, Bethel

**Storm/
Rain Event** Only several tenths of an inch of rain have fallen since the previous inspection.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 9/16/04	- None at this time. 9/16/04
Foundation construction	-Footing excavation and construction continues and more significant excavation has started on the GIS building foundation. 9/16/04 - Soil is being actively hauled off site at this time. Remaining excavate is being combined into stockpiles for backfill and covered. 9/16/04	- The areas are well contained at this time. 9/16/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The site is drying out to some degree but dewatering continues. All areas remains contained on site 9/16/04	- None at this time 9/16/04

Areas of Inspection	Observation	Recommended Action
	<ul style="list-style-type: none"> - There is no silt fence in place at this time, however most stockpiles are covered in plastic and no sedimentation has occurred. 9/16/04 	<ul style="list-style-type: none"> -All areas are well-contained and there is no sedimentation near any off site areas. 9/16/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - Piles of soil left over from the excavation which are not being removed from site, will be combined and protected with plastic. 9/16/04 - The stone perimeter berm is well in place and contains the yard. 9/10-9/16/04 	<ul style="list-style-type: none"> - Continue to be proactive in plastic placement and maintenance. 9/16/04
	<ul style="list-style-type: none"> - The concrete washout station is assembled and in use. 9/16/04 	<ul style="list-style-type: none"> - The main objective is to keep all washout water from storm drains and resource areas. 9/16/04
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> - Wetlands are located around the outskirts of the substation yard. Work is slightly closer to the perimeter fence than before but there is no noted sedimentation to the wetland area. 9/10-9/16/04 	<ul style="list-style-type: none"> - A stone berm around the perimeter of the yard prevents sedimentation and water from leaving the site and getting to the wetland edge. 9/10-9/16/04
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"> - No vegetation outside of the substation yard will need to be cleared during the expansion work. 	<ul style="list-style-type: none"> - N/A
Dewatering	<ul style="list-style-type: none"> - Dewatering activities have continued in order to remove standing water from the excavations. 9/16/04 - The water is being directed to a flat, stoned areas within the center of the yard and is being directed away from the stockpiles and excavations. 9/16/04 	<ul style="list-style-type: none"> - The improved perimeter stone barrier is effective at holding water within the fence line and sedimentation has not occurred beyond the edge of the yard. 9/10-9/16/04

Areas of Inspection	Observation	Recommended Action
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 pieces of machinery on site at this time. 9/16/04	<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		

Next likely scheduled inspection:

Thursday September 23 , 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 for Chuck Gidman



View of the overflow channel following placement of topsoil and seed on the sides and banks of the channel. The biologs remain in place here. 9/16/04



Portions of the channel will remain with bare stone as according to the approved plans. 9/16/04



View of the outlet at the overflow channel following placement of topsoil. The catch basin inlet to this pipe is not yet at grade or active. 9/16/04



View of excavation in progress along the bike path at the northern end of the site. A fence will be installed here. 9/16/04



View of form footings near the control building. The conduit bank has also been covered in concrete and are being backfilled. 9/16/04



Retaining wall #3 is nearly completed with only superficial (railing installation) work remaining. The control building is seen in the background of the picture. 9/16/04



Plumtree Substation: View of the excavation for the GIS concrete pad. Soil is being hauled off site and the remainder is being stockpiled. 9/16/04



Overall view of the yard including the concrete washout station and soil being loaded into a truck to be hauled off site. 9/16/04