

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: August 19, 2004

Inspector: Diana Walden

Location: Norwalk Substation Expansion

**Storm/
Rain Event** Approximately 1.88” of rain fell over 8/13-16.

Areas of Inspection	Observation	Recommended Action
Access Roads	<ul style="list-style-type: none"> - Access roads are completely accessible but slightly muddy following the rain. 8/19/04 -New Canaan Avenue is still free of tracked sediment from the Norwalk site. 8/19/04 	<ul style="list-style-type: none"> - None at this time. Continue to monitor. 8/19/04 - None at this time. Continue to monitor. 8/19/04
Foundation construction	<ul style="list-style-type: none"> - Work on the control house is ongoing and mostly internal. 8/05-8/19/04 - The construction of footings and excavation for retaining wall #3 is ongoing. 8/12-8/19/04 -Most of the excavation for the conduits has been filled in with concrete following construction. Some trenching continues. 8/19/04 	<ul style="list-style-type: none"> - The areas are all well contained at this time. 8/19/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - A section of silt fence located across the overflow channel has come down due to high river levels during the rain. 8/19/04 - The remainder of the fence is still in good shape. 8/19/04 	<ul style="list-style-type: none"> - This portion of fence, directly within the channel can be removed completely as it will only impede overflow into the channel. 8/19/04 - Continue to be proactive in silt fence repair and maintenance.
Erosion and Sediment Controls cont'd	<ul style="list-style-type: none"> - Concrete washouts were noted in other contained, low fill areas on site but attempts should be made to keep them more towards the center of site. 8/19/04 	<ul style="list-style-type: none"> - The main objective is to keep all washout water from resource areas and storm drains.
	<ul style="list-style-type: none"> - The topsoil stockpile remains well contained along the retaining wall and fill activities to the east of wall #2 are largely complete. 8/5-8/19/04 	<ul style="list-style-type: none"> - The pile will continue to be used where necessary in areas to be grassed in the future and all soil is well contained. 6/30-8/19/04
	<ul style="list-style-type: none"> - Grass growth in some areas towards the north and south of the channel is still sparse. It appears that geese or other wildlife are consuming the seed before it can establish. 8/12-8/19/04 	<ul style="list-style-type: none"> -Getting vegetation to establish here will be important before the warm growing season is over. 8/12-8/19/04 - Silt fence should not be removed near any area which does not have sufficient stabilization. 8/19/04
	<ul style="list-style-type: none"> -The mulched and seeded area near wall #5, adjacent to where the sheet piling was previously located, has had little vegetative growth. Additional seeding may be required. 8/12-8/19/04 	<ul style="list-style-type: none"> -Continue to monitor for sufficient vegetative growth and future stabilization. It appears that the rains caused some slight sedimentation against the fence in this location. 8/19/04
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> - The silt fence is still well in place along the river with the exception of the portion across the channel. 8/19/04 - The areas along the channel 	<ul style="list-style-type: none"> - Continue to monitor silt fence and repair as necessary, especially in portions closest to the river. The downed fence, directly across the channel can be removed at this

Areas of Inspection	Observation	Recommended Action
	are well under control with soil and straw mulch on the disturbed areas but additional seed may be necessary for grass cover. 8/05-8/19/04	time 8/19/04
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. 8/12-8/19/04	- The old scour area will be monitored for cover. Future observations may find that a more significant root structure is needed here. 5/27-8/19/04
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. A small oil drip was noted under the Galion and the soil will be cleaned up. 8/19/04	<p>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area</p> <p>- 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.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>

Next likely scheduled inspection:

Thursday August 26, 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: August 19, 2004

Inspector: Diana Walden

Location: Plumtree Substation Expansion , Bethel

**Storm/
Rain Event** Approximately 1.88" of rain fell over 8/13-16..

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 8/19/04	- None at this time. 8/19/04
Foundation construction	- Most footings are completed and most excavations have been backfilled. There are a few new small excavations in the yard at this time. 8/19/04 - The resulting soil stockpiles have been combined and soil which cannot be used will eventually be removed from site 8/19/04	- The areas are all well contained at this time. 8/19/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - There is no silt fence in place at this time. If any excavations occur in close proximity to the perimeter fence, controls should be used. 8/19/04 - The remainder of the stockpiles have been combined and placed slightly closer to the perimeter fence. They are enclosed with plastic covering and no sedimentation has occurred. 8/19/04 	<ul style="list-style-type: none"> - All areas are well contained and there is no sedimentation near any areas off-site. 8/19/04 - Continue to be proactive in silt fence/plastic covering placement and maintenance.
	<ul style="list-style-type: none"> - The concrete washout station has been moved to accommodate more material and it is being used consistently. 8/19/04 	<ul style="list-style-type: none"> - The main objective is to keep all washout water from resource areas and storm drains.
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> - Wetlands are located around the outskirts of the substation yard but no work is in their vicinity at this time. 8/19/04 	<ul style="list-style-type: none"> - None at this time.
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 were not occurring at the time of the site visit but any necessary future activities will be conducted in the same way. 8/19/04 	<ul style="list-style-type: none"> - If the volume of water increases, the flow should be filtered through a bag or haybales to reduce the chance of reaching off site. 8/19/04
Blasting	<ul style="list-style-type: none"> - No blasting is occurring on site at this time. 	<ul style="list-style-type: none"> - None at this time.

Areas of Inspection	Observation	Recommended Action
Spills	<ul style="list-style-type: none"> - There were no spills reported during the week.. There are very few pieces of machinery on site at this time. 8/19/04 	<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 August 26, 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



View of the progress on retaining wall #3. All excavations are contained at this time. 8/19/04



View of the grassed area between the overflow channel and the river. This area has revegetated very well and silt fence could be removed from this portion. Other adjacent portions must remain in place as they have not fully stabilized with cover. 8/19/04



The silt fence had fallen down within the main portion of the overflow channel (far background of photo) and this section can be removed completely. This area to the immediate north of the channel must be monitored, and silt fence left in place, as little vegetative cover has established. 8/19/04



View of progress at retaining wall #3 and the control building. 8/19/04



Most of the previous excavations for footings have been completed and backfilled. A few new smaller excavations are still open. 8/19/04



A new excavation and remaining soil stockpile are closer to the perimeter of the yard but there is no evidence of soil migration or sedimentation from the pile. The protective plastic is well in place. 8/19/04