

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: February 27, 2004

Inspector: Diana Walden

Location: Norwalk Substation Expansion

**Storm/
Rain Event** Only traces of precipitation has been recorded in the area since last week.

Areas of Inspection	Observation	Recommended Action
Access Roads	<ul style="list-style-type: none"> -While work areas and access roads are fairly soft and muddy, there is little excess water or thaw runoff. 2/27/04 - Some mud is present but the access roads are still supported. If conditions change, more gravel or mat installation may be necessary in the spring to stabilize the area. 2/27/04 -The roadways continue to look maintained. New Canaan Avenue is fairly free of sediment 2/27/04 	<ul style="list-style-type: none"> - None at this time. Continue to monitor. 1/15-2/27/04 - None at this time. Continue to monitor. 2/27/04
Foundation construction	<ul style="list-style-type: none"> - Concrete foundations have been poured and the retaining walls are under construction at this time. 2/27/04 - The foundation work continues within the yard. Excavation is controlled and all areas are within the silt fence. 1/30-2/27/04 	<ul style="list-style-type: none"> - Continue to monitor any potential impacts to the silt fence during work. 1/22-2/27/04 - Some thought is being put towards identifying bank stabilization measures following installation of the walls near the river. 2/20-2/27/04

Areas of Inspection	Observation	Recommended Action
	<p>- Large trenches/excavations remain open for the retaining walls and underground work. 2/13-2/27/04</p>	<p>- The major trench work areas are being stabilized with well-constructed shoring for safety reasons 2/13-2/27/04</p>
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p>	<p>- A warming trend in the weather is forecasted but there are no immediate concerns as most of the melting has already occurred. The areas are somewhat soft and muddy but not excessively wet. Some rain is predicted midweek and may test the erosion control. 2/27/04</p>	<p>- Overall the site continues to do well with no significant sedimentation or erosion issues. 1/22-2/27/04</p>
	<p>- Silt fence remains in place and is effectively preventing sediment from entering the river. 1/15-2/27/04</p> <p>-The silt fence appears stable in almost all locations with a few areas showing a little wear in the fabric. 2/27/04</p>	<p>- Continue to monitor and maintain as needed. Some spots are very close to the river and will require the most monitoring. 1/15-2/27/04</p> <p>- Keep up with silt fence repair as needed, and continue to be proactive 2/27/04</p>
	<p>- Topsoil is being stockpiled in large amounts and is contained by the outer barrier of silt fence at this time. 1/15-2/27/04</p> <p>-The soil shows no indication of movement at this time, however weather is growing warmer. 2/27/04</p> <p>- The second topsoil stockpile remains in place due to the excavations for the retaining walls. This is located approximately in the center of the site and will be able to be reused. 2/27/04</p>	<p>- Due to the warmer conditions, it appears to be an appropriate time to place the second barrier of silt fence at the toe of the pile before rains have a chance to potentially cause some soil migration. 2/27/04</p> <p>- Silt fence or haybales should be considered for placement at the base of this new stockpile if necessary and feasible. 2/20-2/27/04</p>

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Erosion and Sediment Controls contd.	<ul style="list-style-type: none"> - The basin is still receiving diverted flows from the dewatering efforts. The water was coming down the larger riprap swale and was extremely clear upon reaching the basin. 2/20-2/27/04 	<ul style="list-style-type: none"> - Continue to monitor the basin and outlets for any sediment laden flows 2/27/04
	<ul style="list-style-type: none"> - Some sedimentation and slight undercuts have occurred at the swale's inlet to the basin. 2/27/04 	<ul style="list-style-type: none"> - Repair and stabilize any noted erosion on the banks of the basin and at the swale. 2/27/04
	<ul style="list-style-type: none"> - The previously disturbed area beyond the silt fence at the northern end of the site has been graded and mulched with straw at this time and remains stable. 2/20-2/27/04 	<ul style="list-style-type: none"> - When work extends here in the future, the silt fence should be extended to encompass it 2/27/04
	<ul style="list-style-type: none"> - Discussions are ongoing regarding any necessary concrete washouts. No additional concrete was noted at the pervious washout area. A pile of extra concrete was seen up near the trailers but will be disposed or reused. 2/27/04 	<ul style="list-style-type: none"> - Continue to use one or a few fairly contained locations for all concrete washouts. Consider posting a sign or designating the area. Placing a few haybales around the area and possibly plastic sheeting on the ground for easier disposal may be appropriate. 2/20-2/27/04

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	<ul style="list-style-type: none"> - Soil removal activities have been halted for now but will resume soon. 2/27/04 - Discussions are ongoing regarding a small portion of the soil with over 2000 parts per million of lead. Coordination and approval for excavating and disposing of the soil at a proper facility is occurring. Only if absolutely necessary, the soil may be stockpiled until approval for disposal is obtained. 2/20-2/27/04 - This soil remains in place. 2/27/04 	<ul style="list-style-type: none"> - None at this time. When the excavation is completed in the future, the disturbed soil will be stabilized. 1/22-2/27/04 - If stockpiling is necessary, only as a final option, it will be placed on poly sheeting with a haybale berm and then covered over with poly sheeting. It is not anticipated that this stockpiling will be necessary. 2/20-2/27/04
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> - The silt fence remains in place and it is effective in controlling the sediment on site. 1/22-2/27/04. - The mulched area on the bank near the basin remains well stabilized 2/20-2/27/04. - Potential future bank stabilization measures are being investigated for the area which will be adjacent to the retaining wall. 2/20-2/27/04 	<ul style="list-style-type: none"> - Continue to monitor and maintain silt fence as necessary and monitor any flow from the basin outlet. 1/22-2/27/04 - Monitor the riverbank as well and make repairs as necessary. 2/27/04 - DEP will be approached with any scope beyond what was approved in this area. Highly structural options may not be as well received as a more natural suggestion. 2/27/04
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"> - The area where the tree clearing had occurred is one of the areas being investigated for bank stabilization measures as a result of the adjacent construction of the 	<ul style="list-style-type: none"> - The areas near the river still appear stable. There are no serious erosion issues. 1/15-2/27/04 - The more vegetation left in

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	<p>retaining wall. 2/20-2/27/04</p> <p>- Roots and stumps are left in place here. 2/27/04</p>	<p>place at the river, the more stable the bank will be. 2/27/04</p>
Dewatering	<p>- Dewatering continues as a result of the trench work for the retaining walls. The water is still being directed to the divergent swale that flows to the temporary sediment basin. 2/27/04</p>	<p>- The water is very clear within the swale and is running directly into the basin and being contained appropriately. 2/27/04</p>
Blasting	<p>- No blasting is occurring on site at this time 2/27/04</p>	<p>- None at this time 2/27/04</p>
Spills	<p>- No spills were reported this week and none were observed during the inspection. 2/27/04</p> <p>- Tracking pads have been placed under some of the equipment parked on site in an effort to reduce any drips. 2/20-2/27/04</p>	<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. There may be new procedures implemented for this- i.e. walk around checks on equipment on a regular basis.</p> <p>- The practice of using “diapers” is highly encouraged for any vehicle or equipment with a known leak.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Additional/Miscellaneous Observations	<p>- Rain is predicted Tuesday or Wednesday of this coming week. Following the warmer weather, this may be one of the first real tests of the erosion control.</p>	<p>- Continue to watch all areas along the bank and provide additional enforcement if needed.</p>

Areas of Inspection	Observation	Recommended Action
	- Some minor work is also being scheduled for the Plumtree Substation in Bethel. The inspection next week will also likely include a trip to this area.	

Next likely scheduled inspection:

Wednesday March 3, 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 L Walden



A VIEW OF THE SEDIMENT BASIN. THE DEWATERING DISCHARGE REMAINS CLEAR AND IS DIRECTED TO THE BASIN. A SMALL AMOUNT OF EROSION OCCURRED ALONG THE SWALE AND INTO THE BASIN. 2/27/04



THE SNOW COVER IS GONE FOR THE MOST PART AND RAINS COULD BRING STRESS TO THE SILT FENCE. A SECOND BARRIER SHOULD BE INSTALLED AT THE BASE OF THE STOCKPILE 2/27/04



VIEW OF THE NEW RETAINING WALL FOUNDATION. THIS AREA IS WHERE DISCUSSIONS ARE ONGOING, REGARDING ADDITIONAL FUTURE BANK STABILIZATION ALTERNATIVES 2/27/04



ADDITIONAL VIEWS OF THE RETAINING WALL NEAREST THE RIVERBANK. 2/27/04



VIEW OF THE SITE AND THE PROGRESS BEING MADE ON OTHER RETAINING WALLS. 2/27/04



VIEW OF AN AREA WHERE A CONCRETE TRUCK HAD WASHED OUT. WASHOUTS
WILL BE LIMITED TO SEVERAL CONTROLLED AREAS AND WILL NOT BE
ALLOWED TO REACH THE RIVER. 2/27/04