

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: March 18, 2004

Inspector: Diana Walden

Location: Norwalk Substation Expansion

**Storm/
Rain Event** 0.32” of precip. was recorded on 3/16-3/17 which fell as several inches of snow.

Areas of Inspection	Observation	Recommended Action
Access Roads	<p>-Work areas and access roads were once again extremely muddy following the snow. Discussions are ongoing regarding where to place the mud which does not provide a suitable base. 3/18/04</p> <p>- Although the area is muddy, there is a support base not too far below the soil surface. If necessary, mats should be used. 3/18/04</p> <p>-The roadways continue to look maintained although the mud is catching within the gravel. New Canaan Avenue is free of sediment 3/18/04</p>	<p>- None at this time. Continue to monitor. 1/15-3/18/04</p> <p>- None at this time. Continue to monitor. 3/18/04</p>
Foundation construction	<p>- Construction of the concrete retaining walls continues at this time. 3/3-3/18/04</p> <p>- Grading and fill had occurred at the foundation construction at the edge of the fenced yard. The area is well controlled and within the silt fence but is</p>	<p>- Continue to monitor any potential impacts to the silt fence during work. 1/22-3/18/04</p>

Areas of Inspection	Observation	Recommended Action
	<p>muddy. 3/18/04</p> <p>-The smaller excavation adjacent to the roadway continues. This stockpile will not be here long. 3/12-3/18/04</p> <p>- The access road near the Route 7 ramp has been reshaped and redirected. A railing has been placed and the contaminated soil area is excavated. 3/18/04</p>	<p>- The stockpile was covered with plastic tarp to prevent any sedimentation to the roadway. 3/18/04</p>
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p>	<p>- The snow fall has created some muddy conditions. Discussions are ongoing regarding where to place the mud. It will be tested and may be sent off site. 3/18/04</p>	<p>- Overall the site continues to do well with no significant sedimentation or erosion issues. 1/22-3/18/04</p>
	<p>- Silt fence remains in place and is effectively preventing sediment from entering the river. 1/15-3/18/04</p> <p>-A few areas of the fence show some wear in the fabric or a broken post and should be repaired when possible. 3/3-3/18/04</p>	<p>- Continue to monitor and maintain as needed. Some spots are very close to the river and will require the most monitoring. 1/15-3/18/04</p> <p>- Some areas were lightly repaired since last inspection. Keep up with silt fence repair as needed, and continue to be proactive 3/18/04</p>
	<p>- Topsoil is being stockpiled in large amounts and is contained by the outer barrier of silt fence at this time. 1/15-3/18/04</p> <p>-The soil shows no indication of movement at this time, however weather is growing warmer. 2/27-3/18/04</p> <p>- Other stockpiles towards the center of site are being utilized and graded at this time 3/18/04</p>	<p>- This pile may start to be utilized in the near future. If this does not occur as soon as anticipated, 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. 3/3-3/18/04</p> <p>- This piles are separated from the outer silt fence line by the retaining walls. 3/18/04</p>

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls contd.	<ul style="list-style-type: none"> - Some sedimentation and slight undercuts have occurred at the swale's inlet to the basin. 2/27-3/18/04 	<ul style="list-style-type: none"> - Continue to monitor the basin and outlets for any sediment laden flows and repair and stabilize any noted erosion on the banks or swales 3/18/04
	<ul style="list-style-type: none"> - A concrete washout station has been set up as requested with a haybale corral, and it has been used appropriately. 3/12-3/18/04 - No new washouts were observed at this inspection 3/18/04 	<ul style="list-style-type: none"> - Continue to use a few fairly contained locations for all concrete washouts. An additional station should be set up in another location if necessary. 3/18/04 - The dried concrete is not a problem but washout water in liquid state is high in pH and can be corrosive.
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. 1/22-3/18/04. - The area on the river side of the retaining wall has been completely brought to grade. Riprap will be placed at the overflow culvert in the future. 3/18/04 - Work is continuing on a catch basin culvert in this area. 3/18/04 	<ul style="list-style-type: none"> - Continue to monitor and maintain silt fence as necessary and monitor any flow from the basin outlet. 1/22-3/18/04 - Monitor the riverbank as well and make repairs as necessary. Be ready to temporarily stabilize the bank with vegetation. 3/3-3/18/04
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 on the riverbank side of the silt fence near the retaining wall has not been touched during the finalization of the contours but revegetation may be necessary 3/12-3/18/04 - Roots and stumps are left in 	<ul style="list-style-type: none"> - The areas near the river still appear stable. There are no serious erosion issues. 1/15-3/18/04 - The more vegetation left in place at the river, the more stable the bank will be.

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	place here.	- Temporary vegetative stabilization measures for the bank should be considered if it becomes apparent in the spring that there will be any bare spots. 3/3-3/18/04
Dewatering	- Dewatering activities are complete at this time. 3/18/04	-No actions required at this time. 3/18/04
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills	<p>- No spills were reported this week and no spills were observed during inspection however small spots from dripping machinery were noted as sheens in the mud and runoff. 3/18/04</p> <p>- Tracking pads/diapers have been placed under some of the equipment parked on site in an effort to reduce any drips. 2/20-3/18/04</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>-Upcoming precipitation continues to be forecasted as snow but there maybe some rain next week.</p> <p>- Snow plowing did not appear necessary for this storm. If it becomes necessary, no snow</p>	- Continue to watch all areas along the bank and provide additional enforcement if needed.

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	<p>should be piled over the silt fence.</p> <p>-Discussions regarding appropriate base fill for future construction are ongoing. This includes what to do with the muddy soil which does not provide stable base construction material.</p> <p>- The topography of the slope near the Route 7 ramp is noticeably different. The contaminated soil is gone and an access-way is being created past the retaining wall.</p>	

Next likely scheduled inspection:

Thursday March 25, 2004 (to be performed by Chuck Gidman)

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*



THE FOUNDATION CONSTRUCTION AREAS NEAR THE EDGE OF THE FENCED YARD HAVE BEEN GRADED AND FILLED. 3/18/04



VIEWS AT THE ACCESS ROAD IN ITS PRESENT MUDDY CONDITION. MUD IS ONLY ONE TO THREE INCHES DEEP WITH A SOLID SOIL BASE BENEATH IN MOST PLACES. 3/18/04



VIEWS OF ACCESSWAY NEAR RETAINING WALL. THE AREA OF CONTAMINATED SOIL HAS BEEN REMOVED AND THE TOPOGRAPHY HERE IS NOTICEABLY DIFFERENT. 3/18/04



VIEW BEHIND THE RETAINING WALL CLOSEST TO THE RIVER. BACKFILLING AND CONTOURING HERE IS COMPLETED. 3/18/04



THE ACCESS ROAD AT THE ROUTE 7 RAMP HAS BEEN RECONFIGURED. 3/18/04



THE STOCKPILE FOR THE EXCAVATION NEAR THE ROUTE 7 RAMP ROADWAY HAS BEEN CONTAINED WITH PLASTIC SHEETING TO PREVENT SEDIMENTATION.
3/18/04