

**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:** May 20, 2004

**Inspector:** Chuck Gidman

**Location:** Norwalk Substation Expansion

**Storm/  
Rain Event** Approx. 0.41” of rain had fallen on 5/16-5/17.

Areas of Inspection	Observation	Recommended Action
Access Roads	<ul style="list-style-type: none"> <li>- Access roads are drying out and still completely accessible. 5/20/04</li> <li>-New Canaan Avenue is still free of any tracked sediment 4/28-5/20/04</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time. Continue to monitor. 5/20/04</li> <li>- None at this time. Continue to monitor. 5/20/04</li> </ul>
Foundation construction	<ul style="list-style-type: none"> <li>- Grading for portions of the bike path along the river at the southern portion of the site are ongoing and fence is being installed. 5/14-5/20/04</li> <li>- Some grading has been performed at the northern portion of the site and the area is near subgrade. 5/20/04</li> <li>- Work is ongoing on foundations for a control house up near the Route 7 ramp. An additional stockpile was created but is well controlled and within the site. 5/6-5/20/04</li> <li>- Retaining walls on site are about 80% complete. Fence posts are being installed along wall 4 and the northern portion</li> </ul>	<ul style="list-style-type: none"> <li>- The areas are well contained at this time. 5/20/04</li> <li>- The stockpile is contained with silt fence and is well within the site. 5/20/04</li> </ul>

Areas of Inspection	Observation	Recommended Action
	of the site 5/20/04	
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> <li>- The silt fence remains in good repair with the exception of one area near the new bike path grading. Some tears in the fence were created as a result of the work. 5/20/04</li> </ul>	<ul style="list-style-type: none"> <li>- The fence will be repaired once the adjacent activities/equipment movements that are damaging the fence are completed. 5/20/04</li> <li>- Continue to be proactive in silt fence repair and maintenance. 5/20/04</li> </ul>
	<ul style="list-style-type: none"> <li>- The area below the Route 7 ramp and above wall #4 has been graded, loamed and recently hydroseeded 5/20/04.</li> <li>- A catch basin is located here at the end of the swale with a top and side inlet. A haybale has been placed at the side to prevent sedimentation to the catch basin but this may not be the permanent solution. 5/14-5/20/04</li> </ul>	<ul style="list-style-type: none"> <li>-Hydroseeding is complete. Continue to monitor growth of vegetation as this will reduce any potential sedimentation to the catch basin as well. 5/20/04</li> </ul>
	<ul style="list-style-type: none"> <li>- Topsoil is now being removed from the southern end of the stockpile to be utilized on site Some soil had already been pulled from the northern side- PVC conduit is now piled here. 5/20/04</li> </ul>	<ul style="list-style-type: none"> <li>- The pile appears fairly stable but should continue to be monitored. Plans are ongoing to utilize most of the soil in the near future. 5/20/04</li> </ul>
	<ul style="list-style-type: none"> <li>- The concrete washout station haybale controls were repaired last week but had been overwhelmed again this week. 5/20/04</li> </ul>	<ul style="list-style-type: none"> <li>- The washout area is well contained on site as the main objective is to keep all washout water from resource areas and storm drains however, continue to utilize and maintain designated stations for concrete. 5/20/04</li> </ul>

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls contd.	<p>-All of the soil on site that had come from a borrow pit in Monroe have been excavated from near wall #1 and removed from site. 5/20/04</p>	<p>- The excavated stockpiles have been removed from site completely. The original grades of the excavated area have been confirmed by surveyors and the area can then be backfilled with approved soil. 5/20/04</p>
	<p>- A small pile of blue stone gravel that had migrated to the river bank from the base of the tower during the flood remains on the river side of the silt fence. 4/28-5/20/04</p>	<p>- When possible, the stone should be hand shoveled back to the work side of the fence. 4/28-5/20/04</p>
	<p>- Some rocky scour remains below the retaining wall #5 but areas with remaining topsoil are revegetating well. 5/6-5/20/04</p>	<p>- Discussions are ongoing for stabilization measures. The decision will likely be to extend heavy cobblestones along the bank washout, fill the spaces and surface with topsoil and seed it. 5/20/04                      - BSC recommends that plantings of shrubs be considered here and this may be done during final landscaping. 5/20/04</p>
Inland Wetland and Watercourse encroachment and mitigation	<p>- The silt fence is still well in place along the river. 5/20/04</p> <p>- The area below retaining wall #5 remains scoured but within silt fence limits as preparation for plantings are being discussed. 4/28-5/20/04</p> <p>-Grass cover is doing very well along the northern end of the wall in all areas where the topsoil had remained 5/6-5/20/04</p>	<p>- Continue to monitor silt fence and repair as necessary, especially in portions closest to the river. 5/20/04</p> <p>- Additional methods for stabilization are being decided. As stated above, a cobblestone, soil, seed matrix may be used, however BSC recommends the addition of shrubs. 4/28-5/20/04</p>
State species of concern, threatened and endangered species	<p>- No species of concern are located in this area of construction.</p>	<p>- N/A</p>

Areas of Inspection	Observation	Recommended Action
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> <li>- The northern portion along wall #5 continues to vegetate and the southern portion is awaiting revegetation. 5/20/04</li> <li>- Vegetation along the length of the riverbank is beginning to come in better. It may be necessary to revegetate here with a conservation seed mix if cover is not sufficient. 4/2-5/20/04</li> </ul>	<ul style="list-style-type: none"> <li>- New options such as shrub or tree plantings at this location may be necessary to create an established root system that can hold here. 5/20/04</li> <li>- We should know in a few weeks whether seeding for ground cover should be done in remaining bare areas along the riverbank. 4/28-5/20/04</li> </ul>
Dewatering	<ul style="list-style-type: none"> <li>- Dewatering activities are complete at this time. 5/20/04</li> </ul>	<ul style="list-style-type: none"> <li>-No actions required at this time. 5/20/04</li> </ul>
Blasting	<ul style="list-style-type: none"> <li>- No blasting is occurring on site at this time and it is not anticipated to be necessary.</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time.</li> </ul>
Spills	<ul style="list-style-type: none"> <li>- No spills were reported this week, however a small area of oil spots were observed among some crushed stone during the inspection. 5/20/04</li> <li>- This was located in an area near where equipment parks and the stone and soil will be cleaned up. 5/20/04</li> </ul>	<ul style="list-style-type: none"> <li>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area</li> <li>- 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.</li> <li>- Report spills to the office immediately, even if they are being controlled.</li> </ul>
Additional Observations	<ul style="list-style-type: none"> <li>- CLP is remaining conscious of the need to hit all grades/elevations on site as designed due to the floodplain issues. A surveying team is consistently on site checking these grades. 5/20/04</li> </ul>	

**Next likely scheduled  
inspection:**

Thursday May 27, 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*



THE NEW AREAS OF THE SUBSTATION YARD HAVE BEEN FENCED IN AND WORK IS ON GOING ON THE BIKE PATH. 5/20/04



VEGETATIVE GROWTH ON BOTH SIDES OF THE SILT FENCE. SOIL IS ALSO BEING PULLED FROM THE SOUTHERN END OF THE STOCKPILE SEEN IN THE BACKGROUND 5/20/04



VIEW TOWARDS THE NORTHERN END OF THE SITE BEING BROUGHT TO SUBGRADE. 5/20/04



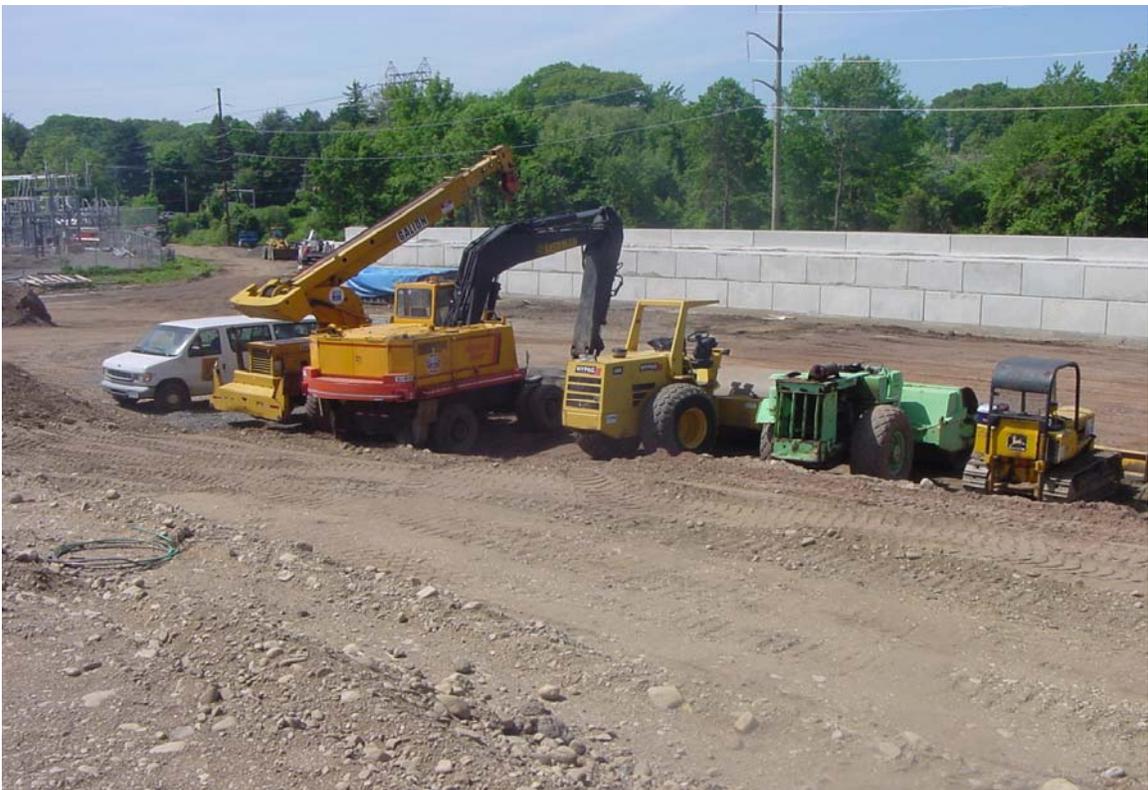
THE AREA BELOW ROUTE 7 RAMP AND ABOVE WALL 5 HAS RECENTLY BEEN HYDROSEEDDED. GROWTH WILL BE MONITORED. 5/20/04



VIEW OF OLD EXCAVATION AREA NEAR WALL 1. MONROE SOILS HAVE BEEN REMOVED FROM THE SITE. 5/20/04



OVERVIEW OF SITE LOOKING TOWARDS THE NORTHERN END AND RETAINING WALLS. 5/20/04



OVERVIEW LOOKING TOWARDS SOUTHERN END OF SITE AND END OF WALL 1. MONROE SOIL STOCKPILES HAVE BEEN REMOVED. 5/20/04



THE CONCRETE WASHOUT STATION CONTROLS WERE MAINTAINED AS RECOMMENDED LAST WEEK. HOWEVER THE AREA HAS OVERFLOWED AGAIN BUT REMAINS WELL WITHIN THE SITE.  
5/20/04