

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: April 21, 2004

Inspector: Chuck Gidman

Location: Norwalk Substation Expansion

**Storm/
Rain Event** Approximately 0.41” of rain fell over 4/22-4/24.

Areas of Inspection	Observation	Recommended Action
Access Roads	<p>-The site is slightly muddy but has dried out for the most part. 4/21/04</p> <p>- If it becomes necessary, mats should be used but equipment access is not hindered at this time. 4/21/04</p> <p>-Sediment has built up in the gravel tracking pad and along the gravel access from Route 7 ramp however, New Canaan Avenue is still free of sediment 4/21/04</p> <p>- There continues to be slight erosion potential in a few spots along the access road’s slope but it is not an issue. 4/16-4/21/04</p>	<p>- None at this time. Continue to monitor. 4/21/04</p> <p>- None at this time. Continue to monitor. 4/21/04</p> <p>- The area is well within the site. No actions at this time. 4/21/04</p>
Foundation construction	<p>- Construction of the footings for retaining wall #1 are complete and concrete pouring will not be necessary in the near future 4/21/04</p> <p>-The smaller excavation</p>	<p>- Continue to monitor. 4/21/04</p> <p>- A tarp is being used for the</p>

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	<p>adjacent to the Route 7 ramp continues while the conduit is developed. The second stockpile is still active and it is covered with a tarp each night. 4/21/04</p> <p>- Some filling continues on the parking area near the retaining wall #4. The area is at about subgrade at this time. 4/21/04</p>	<p>second stockpile at night but it may be necessary to place a barrier to keep rocks or soil from rolling into the highway. 4/21/04</p>
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p>	<p>- The site is stabilizing following the flooding event last week. Some decisions are necessary for the scoured areas of bank. 4/21/04</p>	<p>- Erosion control has been returned to pre-flood conditions for the most part. 4/21/04</p>
	<p>-The silt fence had been repaired adequately prior to the weekend. 4/21/04</p>	<p>- Continue to be proactive in silt fence repair and maintenance and inspect for problem spots on a regular basis. 4/21/04</p>
	<p>-. The topsoil stockpile will not be moved but will have to be utilized on site as needed. It remains in place with little migration of soil. 4/21/04</p>	<p>- The pile appears fairly stable but should continue to be monitored. 4/21/04</p>
	<p>- The temporary sediment basin had dried out and a few inches of mud and sediment remained from the stormwater. 4/21/04</p> <p>- Some minor erosion remained along the banks of the basin but nothing structurally degrading. 4/21/04</p>	<p>- If erosion on the slopes of the basin worsens, it should be repaired. 4/21/04</p>

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<p>Erosion and Sediment Controls contd.</p>	<ul style="list-style-type: none"> - The areas where the mulch washed away in the flood have not been backfilled and restored yet. Rocky scour remains below the retaining wall #4 on the southernly portion. 4/21/04 - Topsoil and emerging grass remain on the banks on the northernly portion of the bank below the retaining wall. 4/21/04 	<ul style="list-style-type: none"> - Investigate more structural methods for keeping the topsoil in place if a storm of this magnitude occurs again. Under normal conditions, it seems the seeded topsoil would have held. Options for stabilization continue to be investigated. 4/21/04
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<ul style="list-style-type: none"> - The silt fence has been repaired adequately following the flood event. 4/21/04 - The riprap outlet from the sediment basin is clear of sediment. The mulch that was swept away has not been restored but obvious erosion is not a problem. 4/21/04 - The area below retaining wall #4 on the southern portion remains rocky and scoured following the flood washout. The topsoil remains and vegetation is beginning to grow on the northern end. 4/21/04 	<ul style="list-style-type: none"> - Continue to monitor silt fence and repair as necessary, especially in portions closest to the river. 4/21/04 - Although some plant growth is occurring, prepare to vegetate the banks with additional seeding or planting if necessary. Continue to monitor and repair any erosion. 4/21/04 - Additional methods for stabilization are being investigated. Soil holding grids or coconut fiber logs with live stakings of shrubs are some suggestions BSC has. Riprap or establishment of major root systems may eventually be the only solution that would hold against a flood like this past one. 4/21/04

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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)	<p>- The mulched and seeded areas were beginning to vegetate prior to being washed out in the floodwaters. The northern portion along wall #4 continue to vegetate 4/21/04</p> <p>- New growth of vegetation was noted near the riverbank at the time of inspection (including daffodils) however it may be necessary to revegetate here with a conservation seed mix if cover is not sufficient. 4/2-4/21/04</p> <p>- Roots and stumps are left in place here.</p>	<p>- New options such as shrub or tree plantings at this location may be necessary to create an established root system that can hold here. 4/21/04</p> <p>- The more vegetation left in place at the river, the more stable the bank will be.</p> <p>- Temporary vegetative stabilization measures for the bank should be considered if it becomes apparent in the spring that there will be any bare spots. 3/3-4/21/04</p>
Dewatering	- Dewatering activities are complete at this time. 4/21/04	-No actions required at this time. 4/21/04
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 however a small drip was occurring beneath a loader. 4/21/04</p> <p>- A diaper was placed under the piece of equipment and the contaminated soil was removed. 4/21/04</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</p>

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		<p>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>- The site is returning to normal after the significant storms. Options are still being investigated for future stabilization.</p> <p>-The areas of bulky waste and dumpsters have been straightened up and some dumpsters will be removed from site in the near future.</p>	<p>- Continue to watch all areas along the bank and provide additional enforcement if needed and investigate options for future stabilization.</p>

Next likely scheduled inspection: Wednesday April 28, 2004 by Diana Walden

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*



VIEWS OF THE OUTLET FROM THE SEDIMENT BASIN. THE FINE SEDIMENT PLUME IS NO LONGER FLOWING AND THE AREA IS NOT DEMONSTRATING OBVIOUS EROSION. 4/21/04



THE BASIN IS DRYING OUT AND SEVERAL INCHES OF MUD/SEDIMENT WERE LEFT BEHIND. SEVERAL AREAS OF MINOR EROSION ARE NOTED ON THE SLOPES. 4/21/04



THE SILT FENCE HAS BEEN REPAIRED BELOW THE STOCKPILE AND SEDIMENT IS CONTAINED. SMALL AMOUNTS OF VEGETATION ARE RETURNING, INCLUDING DAFFODILS. 4/21/04



AREA SOUTH OF THE OUTLET WHERE SCOURING WAS MOST SEVERE. OPTIONS FOR STABILIZATION ARE BEING INVESTIGATED. 4/21/04



AREA NORTH OF THE OUTLET WHERE EROSION WAS NOT SEVERE AND VEGETATION IS RETURNING TO THE TOPSOIL AREA. 4/21/04



VIEW OF THE PARKING AREA NEARING ITS SUBGRADE. 4/21/04



AREA WHERE THE BULKY WASTE HAS BEEN STRAIGHTENED UP AND THE DUMPSTERS WILL BE REMOVED FROM SITE SOON. 4/21/04



A SECOND STOCKPILE NEAR THE ROUTE 7 RAMP IS BEING COVERED WHEN IT IS NOT IN USE. A BARRIER MAY BE NEEDED TO PREVENT SPILLOVER ON THE ROADWAY. 4/21/04