

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: September 2, 2004

Inspector: Diana Walden - Fred Cunliffe, CT Siting Council accompanied

Location: Norwalk Substation Expansion

**Storm/
Rain Event** Approximately 0.12” of rain fell on 8/30-31. No significant rain was recorded.

Areas of Inspection	Observation	Recommended Action
Access Roads	<ul style="list-style-type: none"> - Access roads are completely accessible. 9/2/04 -New Canaan Avenue is still free of tracked sediment from the Norwalk site. 9/2/04 	<ul style="list-style-type: none"> - None at this time. Continue to monitor. 9/2/04 - None at this time. Continue to monitor. 9/2/04
Foundation construction	<ul style="list-style-type: none"> - Construction of a conduit bank is occurring near the control house. Some stockpiles of soil have occurred as a result around the trench. 8/26-9/2/04 - The construction and excavation for retaining wall #3 is ongoing. 8/12-9/2/04 - Excavation for conduit construction near the overflow channel is largely complete. Some backfilling may still be necessary 9/2/04 	<ul style="list-style-type: none"> - The areas are all well contained at this time. 9/2/04
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 had come down due to high river levels during the rain last week. 8/19-9/2/04 	<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. 9/2/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls cont'd	<p>- Several spots along the fence could use some maintenance. One spot near the unvegetated area is showing some strain and another spot near wall #5 was down. 9/2/04</p>	<p>- Continue to be proactive in silt fence repair and maintenance. - Repair the fence as needed. 9/2/04</p>
	<p>- The edge of the yard and bike path at the northern portion of the parcel is experiencing some erosion and washouts due to runoff. However, the sedimentation is not affecting the resource area at this time. 9/2/04</p>	<p>- The silt fence should be reinforced here and haybale or stone check dams should be considered across the bike path to slow the run-off velocity. The area immediately adjacent will also be revegetated. 9/2/04</p>
	<p>- The topsoil stockpile remains well contained along the retaining wall and fill activities to the east of wall #2 are largely complete for now. 8/5-9/2/04</p>	<p>- The pile will continue to be used where necessary in areas to be grassed in the future and all soil is well contained. 6/30-9/2/04</p>
	<p>- Grass growth in some areas towards the north and south of the channel is still sparse This includes the area near wall #5 adjacent to where the sheet piling was previously located. 8/12-9/2/04</p> <p>- Some sediment appears to have migrated against the silt fence near the north of the channel. 8/26-9/2/04</p>	<p>-Getting vegetation to establish here will be important before the warm growing season is over. The contractors are waiting to do final stabilization activities once all the adjacent work is completed. 8/26-9/2/04</p> <p>- Silt fence should not be removed near any area which does not have sufficient stabilization. 9/2/04</p>
	<p>- Coconut fiber logs are being staked into the overflow channel at this time. There are ongoing discussions to lower the elevation of the logs in order to help retain moisture and the seeding 9/2/04</p>	<p>- The option to remove the stone beneath the logs so that they rest directly on the channel liner is likely the preferred option. 9/2/04</p>

Areas of Inspection	Observation	Recommended Action
	<p>- Concrete washouts continue towards the center of site in the low fill area. 9/2/04</p>	<p>- The main objective is to keep all washout water from resource areas and storm drains.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>- Most areas have sufficient vegetative cover but a few areas remain sparse. The silt fence could also use minor maintenance in a few spots. 9/2/04</p>	<p>- 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 time 8/19-9/2/04</p>
<p>State species of concern, threatened and endangered species</p>	<p>- No species of concern are located in this area of construction.</p>	<p>- N/A</p>
<p>Vegetative clearing limits (including trees to save or danger trees noted)</p>	<p>- 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. 8/12-9/2/04</p>	<p>- The old scour area will be monitored for cover. Future observations may find that a more significant root structure is needed here. 5/27-9/2/04</p>
<p>Dewatering</p>	<p>- Dewatering activities are complete at this time.</p>	<p>-No actions required at this time.</p>
<p>Blasting</p>	<p>- No blasting is occurring on site at this time and it is not anticipated to be necessary.</p>	<p>- None at this time.</p>

Areas of Inspection	Observation	Recommended Action
Spills	<p>- There were no spills reported during the week as a result of the construction work. During the inspection, a few small oil drips were noted under several pieces of machinery as well as a slightly larger spill of fuel under the Rascal (roller). Pads were put down and the soil was to be removed and disposed of. 9/2/04</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. Check equipment status on a regular basis.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Miscellaneous Observations	<p>- New road work was noted on Broad Street to the north of the site. Significant tree clearing had occurred on the banks and islands within the river as work on the bridge takes place. 8/26-9/2/04</p> <p>- Although this was not as a result of construction, one of the new capacitors broke during normal operations and as a result, a small spill (non PCB) occurred on the traprock. Environmental staff and clean up crews were on hand during the inspection and everything was completed by the end of the day.</p>	<p>This work is unrelated to the Norwalk substation but should be noted as it is occurring in the adjacent area and could be a potential source of sedimentation which is not from this site. 8/26-9/2/04</p>

Next likely scheduled inspection: Thursday September 9, 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: September 2, 2004

Inspector: Diana Walden - Fred Cunliffe, CT Siting Council accompanied

Location: Plumtree Substation Expansion , Bethel

**Storm/
Rain Event** Approximately 0.12” of rain fell on 8/30-31. No significant rain was recorded.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 9/2/04	- None at this time. 9/2/04
Foundation construction	- Old footing excavations have been backfilled but new ones have been created and footings are under construction. - Portions of the soil stockpiles are being removed from site and the remainder are covered in plastic for the most part 9/2/04	-All areas are well contained and the stockpiles show no signs of migrating beyond the perimeter of the yard. 9/2/04

Areas of Inspection	Observation	Recommended Action
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p>	<p>- There is no silt fence in place at this time, however most of the stockpiles are covered with plastic. No sedimentation has occurred. 9/2/04</p>	<p>- All areas are well contained and there is no sedimentation near any areas off-site. 9/2/04</p> <p>- Continue to be proactive in silt fence/plastic covering placement and maintenance.</p>
	<p>- The concrete washout station had been disassembled for now but will be set up once concrete pouring resumes on site. 9/2/04</p>	<p>- The main objective is to keep all washout water from resource areas and storm drains.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>- Wetlands are located around the outskirts of the substation yard. Work is slightly closer to the perimeter fence than before but there is no noted sedimentation to the wetland area. 8/26-9/2/04</p>	<p>- A stone berm around the perimeter of the yard prevents sedimentation and water from the site from getting to the wetland edge. See the dewatering section for further information 9/2/04</p>
<p>State species of concern, threatened and endangered species</p>	<p>- No species of concern are located in this area of construction.</p>	<p>- N/A</p>
<p>Vegetative clearing limits (including trees to save or danger trees noted)</p>	<p>- No vegetation outside of the substation yard will need to be cleared during the expansion work.</p>	<p>- N/A</p>
<p>Dewatering</p>	<p>-Dewatering activities continue but the amount of water has lessened since the previous week. All of the water continues to be pumped to flat areas within the yard and is being directed away from stockpiles 9/2/04</p> <p>- The perimeter berm had been repaired with the addition of stone. It is effective at holding water within the fence line and sedimentation had not occurred beyond the edge of</p>	<p>- The stone berm around the perimeter of the yard is creating a barrier to the water and sediment and the repairs are effective. 9/2/04</p>

Areas of Inspection	Observation	Recommended Action
	the yard. 9/2/04	
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills	- There were no spills reported during the week. There are very few pieces of machinery on site at this time. 9/2/04	<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	- The site was still slightly muddy as a result of the dewatering, and all sediment and run-off was contained on site.	

Next likely scheduled inspection:

Thursday September 9, 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.

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Diana Walden