

**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 13, 2005

**Inspector:** Diana Walden

**Location:** Norwalk Substation Expansion

**Storm/**

**Rain Event:** The areas received between 0.60 and 0.66 inches of precipitation, over 4/7-4/8/05 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
<p>Access Roads and Adjacent Roadways</p>	<ul style="list-style-type: none"> <li>- The silt fence around the inlet has been partially repaired but more on site and off site sediment continues to deposit here. Erosion and washouts near the silt fence base are getting worse 4/13/05</li> <li>- Some silt from the minor erosion had been noticeable within the earthen swale and the area will require revegetation in the growing season. A haybale check dam may help prevent sedimentation until vegetation is established. 3/9-4/13/05</li> <li>- Emergency DOT work is completed on the New Canaan Ave bridge (Route 123) adjacent to the site. DOT stabilized the bank with stone and replaced the landscaping but has not reseeded the area. 4/13/05</li> </ul>	<ul style="list-style-type: none"> <li>-The volume of water going to this inlet is causing erosion at the base of the silt fence. 4/13/05</li> <li>-The best solution is vegetative cover here as soon as possible with the growing season. 4/13/05</li> <li>- The earthen swale and surrounding area has some minor growth but will likely require additional stabilization in the growing season. 4/6-4/13/05</li> <li>- Work is not associated with the project but is mentioned as a potential source of off-site sediment. DOT will be seeding the area in the near future. It should also be monitored for stabilization. 4/13/05</li> </ul>
<p>Foundation construction</p>	<ul style="list-style-type: none"> <li>-The siding and structure of the GIS building continues to be under construction. 3/18-4/13/05</li> <li>-Work on the structures near retaining wall #3 and the</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time. 4/13/05</li> <li>- Soil stockpiles are well within the yard and areas are</li> </ul>

Areas of Inspection	Observation	Recommended Action
	control house is also ongoing. 4/13/05 - Backfilling is being completed within the active yard and gravel is being spread. 4/13/05	contained, no issues at this time. 4/13/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	-The overflow channel continues to work well with some minor erosion along the slope. 4/13/05.	- Continue to monitor for overall stabilization. In the spring, the situation should be evaluated as additional seeding may be necessary. 4/13/05
	- The flared inlet near the Rt 7 ramp is receiving obvious stormwater flows from off site roadway and on site sources. It is apparent that much of the sediment is roadway sand and much of the runoff is from the street based on presence of gullies. The silt fence was partially repaired but erosion and washouts are occurring at the base. 4/13/05	- Continue to monitor until stabilized as the surrounding area is still bare soil. Part of the sedimentation is from offsite street runoff which cannot be controlled by onsite actions. The best solution here is revegetation in the growing season. 4/6-4/13/05
	- Soil stockpiles are beginning to be removed from site to appropriate locations. Most areas of excavation are completed at this time. 4/13/05	- All stockpiles and excavation areas are well within the site and there are no issues at this time. 4/13/05
Inland Wetland and Watercourse encroachment and mitigation	- Silt fence has been removed from most areas along the wetland/river side of the channel as the area is stabilized. 12/16/04	-None at this time. Continue to monitor.
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)	-Some plantings along the channel were flagged for damage to see how they survive the winter. 11/18/04	- The plantings will be evaluated for any permanent damage in the spring and hydroseed was placed as ground cover here. 11/18/04
Dewatering	- No dewatering was noted at this time. 4/13/05	-None at this time. 4/13/05

Areas of Inspection	Observation	Recommended Action
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills and Material Storage	<p>- A piece of absorbent pad near retaining wall #1 from a previous clean-up remained near the excavator. This and the surrounding soil will be picked up. 4/13/05</p> <p>- A small spill of fuel near a fuel can was noted on the ground below. This soil will also be cleaned up. 4/13/05</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. -</p> <p>- Check equipment status on a regular basis.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Additional Observations	- As previously stated, the New Canaan Ave Bridge repair by the DOT is complete. The bank has been stabilized but still requires seeding and vegetative cover. 4/13/05	- The work is unrelated to the Norwalk substation but should be noted as it is occurred in the adjacent area and could be a potential off-site sedimentation source. Continue to monitor. 4/13/05

**Next likely scheduled inspection:**

Wednesday, April 20, 2005

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:** April 13, 2005

**Inspector:** Diana Walden

**Location:** Plumtree Substation Expansion , Bethel

**Storm/**

**Rain Event** The areas received between 0.60 and 0.66 inches of precipitation, over 4/7-4/8/05 as reported by NOAA.

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>
Access Roads	- No new access roads have been constructed at this time 4/13/05	- None at this time.
Foundation construction	-The major work of connecting the equipment on the constructed slab to the existing equipment is on-going. 3/23-4/13/05	- The areas are all contained at this time and there is little ongoing work that involves soil disturbance. 4/6-4/13/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The working areas of the site have mostly dried out. The perimeter stone berm continues to work well. 4/13/05	-Nothing at this time. 4/13/05
	- There is no silt fence in place at this time, however the stone perimeter berm is well in place and contains the yard well. 4/13/05	-All stockpiles are well-contained and the berm is working well at this time. 4/13/05
	- A majority of the soil has been removed to appropriate off-site locations but some will remain on an as needed basis for the remainder of construction. Portions are not covered in plastic but are well within the site. 3/2-4/13/05	-Continue to monitor status and cover stockpiles with plastic if necessary. 3/2-4/13/05

Areas of Inspection	Observation	Recommended Action
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> <li>- Wetlands are located around the outskirts of the substation yard. The work within the substation yard has caused no observed sedimentation. 4/13/05</li> </ul>	<ul style="list-style-type: none"> <li>- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 4/13/05</li> </ul>
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> <li>- No species of concern are located in this area of construction.</li> </ul>	<ul style="list-style-type: none"> <li>- N/A</li> </ul>
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> <li>- No vegetation outside of the substation yard will need to be cleared during the expansion work.</li> </ul>	<ul style="list-style-type: none"> <li>- N/A</li> </ul>
Dewatering	<ul style="list-style-type: none"> <li>- No dewatering is occurring at this time. 4/13/05</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time.</li> </ul>
Blasting	<ul style="list-style-type: none"> <li>- No blasting is occurring on site at this time.</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time.</li> </ul>
Spills and Material Storage	<ul style="list-style-type: none"> <li>- No drips or spills were reported for the week or noted during the inspection. 4/13/05</li> <li>- The larger oil/refueling tank which was kept on site has been removed as it is not necessary at this time. 4/13/05</li> </ul>	<ul style="list-style-type: none"> <li>- The contractors should remain vigilant about securing and handling fuel containers.</li> <li>- 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.</li> <li>- Report spills to the office immediately, even if they are being controlled.</li> </ul>
Additional Observations		

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inspection:**

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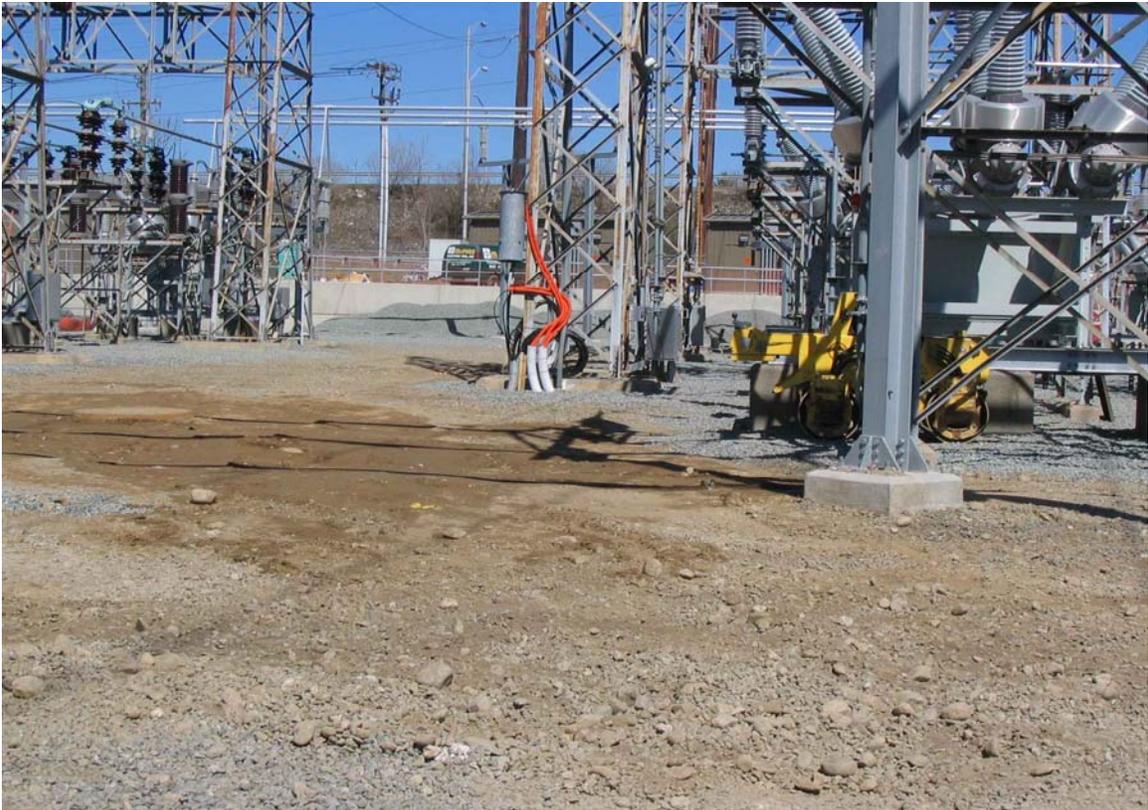
I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete 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*



Norwalk Substation: Repair work on the bridge is completed and DOT has restored the riverbank and landscaping. They will also be seeding the area. (4/13/05)



Backfilling and gravel spreading ongoing in the active yard (4/13/05)



Structure work continues near retaining wall #3 in the expansion area. (4/13/05)



Work continues on the GIS building siding and nearby structures (4/13/05)



Plumtree Substation: Much of the old material storage area has been cleaned up, the underground conduits have been completed and the perimeter berm is in place. (4/13/05)



View of the yard with the leftover stockpiles. Very little work involving soil disturbance is occurring at this time. (4/13/05)