

**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:** August 19, 2005

**Inspector:** Diana Walden

**Location:** Norwalk Substation Expansion

**Storm/**

**Rain Event:** A localized storm to the Danbury/Stamford area was recorded on 8/14 and posted by NOAA as having 1.38" of rain. Totals may have been higher in certain places.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> <li>- Vegetation is growing within the inlet near the Route 7 ramp which helps filter sediment. Silt fence is still somewhat in place and the surrounding stone also helps to filter. The area seems fairly stable. 8/19/05</li> <li>- Grass growth is present in the soil by the sidewalk although worn tracks cut through. 8/19/05</li> </ul>	<ul style="list-style-type: none"> <li>-The area should continue to be monitored to some degree but sediment is being filtered well by the stone and new growth. 8/19/05</li> <li>- Add seed if necessary depending on future use of area. 8/19/05</li> </ul>
Foundation construction	<ul style="list-style-type: none"> <li>-A caisson was drilled at the northern end of the substation in the ROW as part of the 115kV project. 8/19/05</li> <li>- Concrete trench boxes are under construction near the GIS building. 8/19/05</li> <li>-Transformer work was occurring in the front of the GIS building. 8/10-8/19/05</li> <li>-Minor excavation and breaking up of concrete was occurring within the active, live yard in order to create a new access drive. 8/10-8/19/05</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time. 8/19/05</li> <li>- All excavation and backfill work is well within the yard and areas are contained, no issues at this time. 8/19/05</li> </ul>

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	-Some bare/sparse areas of vegetation remain along the sides of the channel. 7/22-8/19/05.	- These areas will be seeded outside of the dry summer period so the vegetation will have a better chance to establish. 8/19/05
	- Large amounts of stormwater from the Rt. 7 ramp as well as portions of the perimeter of the site continue to flow to the inlet but the vegetation and stone aid filtration. 8/19/05	- Continue to monitor the area and potentially remove the silt fence. 8/19/05
	- The stockpile remaining on site is being utilized around the GIS building as backfill and topsoil. 7/6-8/19/05	- All stockpiles and excavation areas are well within the site and there are no issues at this time. 8/19/05
Inland Wetland and Watercourse encroachment and mitigation	-Work to install a structure near the wetlands and river is scheduled to begin in the coming month or so when the steam encroachment permit is obtained. 8/19/05	-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)	- The bare areas of soil along the overflow channel slopes will be reseeded following the end of the dry summer weather. 8/19/05	- Most areas along the retaining wall and channel are well vegetated but bare areas will be reseeded for stabilization. 8/19/05
Dewatering	- No dewatering was noted at this time. 8/19/05	-None at this time. 8/19/05
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>- The affected soil from the small drips under the trucks last week were picked up. 8/19/05</p> <p>- The compressor trailer has another small leak after a few</p>	<p>In general:</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they</p>

Areas of Inspection	Observation	Recommended Action
Spills and Material Storage continued	<p>weeks of having no problems.</p> <p>Affected soil was being picked up and it should be repaired. A minor drip spot was noted under the Cat. excavator as well. 8/19/05</p> <p>- A small spill (approx 1 qt of oil) resulting from a ruptured capacitor in one of the banks had occurred in the yard earlier in the week. It was reported and cleaned up appropriately. 8/19/05</p> <p>- Next week, a truck will be on site over several days to fill the new transformers at the GIS building. The underground oil collector has been installed previously and attachments between the truck and the transformers will be monitored. 8/19/05</p>	<p>will be used or stored on site.</p> <p>- The contractors should remain vigilant about securing and handling fuel and all other material containers due to the sensitivity of the area.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p> <p>- Take care not to get carried away and to be vigilant when refueling.</p> <p>- All fuels and agents not in use should be covered and stored in the sheds and trailers before leaving for the day.</p>
Additional Observations	<p>- The silt fence near the substation in the ROW was repaired and is part of the 115kv work.</p>	<p>-None at this time.</p>

**Next likely scheduled inspection:** Thursday, August 25, 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:** August 19, 2005

**Inspector:** Diana Walden

**Location:** Plumtree Substation Expansion, Bethel

**Storm/**

**Rain Event:** A localized storm to the Danbury/Stamford area was recorded on 8/14 and posted by NOAA as having 1.38" of rain. Totals may have been higher in certain places.

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>
Access Roads	- No new access roads have been constructed at this time 8/19/05	- None at this time.
Foundation construction	-The remaining work is mostly electrical, connecting and circuiting the new equipment and within the control house. 6/15-8/19/05	- The areas are all contained at this time and there is little ongoing work that involves soil disturbance. 4/6-8/19/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- Although no silt fence is in place, the perimeter stone berm continues to work well to control the yard. 8/19/05	-All stockpiles are well-contained and the berm is working effectively at this time. 8/19/05
	- 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. They are not covered in plastic but are well within the site. 3/2-8/19/05	-Continue to monitor status and cover stockpiles with plastic if necessary. 3/2-8/19/05
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. The work within the substation yard has caused no observed sedimentation. 8/19/05	- 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. 8/19/05

Areas of Inspection	Observation	Recommended Action
State species of concern, threatened and endangered species	-The sand pile has been surrounded with safety fence but there seems to be little evidence of a valid nest at this point. 8/19/05	- Everyone at the substation also remains aware and will move machinery carefully in case the individual turtle returns. We will continue to monitor the nest, especially in the coming weeks. 8/19/05.
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- No dewatering was noted at the time of inspection. 8/19/05	- None at this time.
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- A small SF6 gas leak was repaired in the gas insulated bus and no further issues were noted. 8/19/05	<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		

**Next likely scheduled inspection:**

Thursday, August 25, 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





Norwalk Substation: Excavation and breaking up and removal of concrete continues within the live yard. (8/19/05)



View of several areas along the overflow channel where vegetation has not returned sufficiently. The slopes will be reseeded following the dry period of the summer to ensure better results. (8/19/05)





The yard has some slight sedimentation on to the bike path from the access road. The stone berm should be continued to help keep sediment on site. (8/19/05)



Plumtree Substation: General view of the site. No soil disturbing activities have been occurring. (8/19/05)