

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: July 14, 2005

Inspector: Don Ukers

Location: Norwalk Substation Expansion

Storm/

Rain Event: The area received between 1.18 and 2.84" on 7/8 based on reports from different locations and posted by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> - The area surrounding the inlet near the Route 7 ramp has been placed with stone to cover the roots of the exposed planting and to repair the erosion issues here. Some washouts have occurred since the stone was placed. 7/6-7/14/05 - Some grass growth was observed in the soil adjacent to the sidewalk. Final stabilization or vegetative cover will be monitored. 7/14/05 	<ul style="list-style-type: none"> -The area should continue to be monitored. The roots have started to become exposed again- the planting may not be in a good location. 7/6-7/14/05 - The soil adjacent to the sidewalk installation is experiencing some grass growth. Continue to monitor. 7/14/05
Foundation construction	<ul style="list-style-type: none"> - Soil from the stockpile continue to be used around the GIS building, including some small excavation and backfill areas near the back of the building. 6/22-7/14/05 -Masonry work on the structures in front of the GIS building is finished and steel work continues. Steel structures were also built at the rear of the GIS building. 7/14/05 - A manhole is being installed 	<ul style="list-style-type: none"> - None at this time. 7/14/05 - All excavation and backfill work is well within the yard and areas are contained, no issues at this time. 7/14/05

Areas of Inspection	Observation	Recommended Action
	<p>between the building and the live yard. 7/14/05 -Structures are being removed from the active, live yard in order to create a new access drive. 7/6-7/14/05</p>	
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p>	<p>-The overflow channel was dry at the time of inspection. Although there is good grass growth along the top of the channel, the slopes are still fairly sparse with slight erosion. 6/09-7/14/05.</p>	<p>- Continue to monitor for overall stabilization. Additional seeding should be considered in the areas where bare soil is still visible. 6/09-7/14/05</p>
	<p>- The area surrounding the flared inlet near the Rt 7 ramp has been placed with stone to prevent erosion from the large amounts of stormwater from the ramp as well as portions of the perimeter of the site. 7/6-7/14/05 - The exposed root ball of the planting was covered but washouts are already occurring as a result of the rain. 7/6-7/14/05</p>	<p>- Continue to monitor the area to determine if the new efforts have stabilized the inlet. Removing the silt fence may actually reduce the volume of the washout. 7/14/05</p>
	<p>- The stockpile remaining on site has been recently utilized around the GIS building as backfill and topsoil. 7/6-7/14/05</p>	<p>- All stockpiles and excavation areas are well within the site and there are no issues at this time. 7/14/05</p>
	<p>- Some sedimentation was noted at the base of the access road and it had piled up at the edge of the bike path last week. The situation had not worsened this week. 7/6-7/14/05</p>	<p>- A stone berm at the base of the perimeter fence would prevent this sediment from reaching the bike path or overflow channel. 7/6-7/14/05</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>- Silt fence has been removed from most areas along the wetland/river side of the channel as the area is stabilized. 12/16/04</p>	<p>-None at this time. Continue to monitor.</p>

Areas of Inspection	Observation	Recommended Action
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 tree plantings appear to be doing well. The channel is mostly dry at this time but wetland vegetation was observed growing in the bottom. Some bare areas of soil along the slopes may need reseeded. 6/15-7/14/05	- A survey could be performed to see whether any of the plantings did not survive the winter for replacement purposes but this does not seem to be a problem. 7/14/05
Dewatering	- No dewatering was noted at this time. 7/14/05	-None at this time. 7/14/05
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 open containers from last week's inspection were closed. 7/14/05</p> <p>The portable compressor trailer now has an absorbent pad beneath it and the affected soils were cleaned up. 7/14/05</p> <p>- A small drip spot was noted under both the boom truck and an old equipment pick up truck. The soil was to be picked up. 7/14/05</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>- 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	- All areas within the adjacent ROW have been backfilled and restored following the 115kV work. The invasive species Japanese Knotweed is well established in the surrounding area 6/29/05	- The knotweed was present in the ROW prior to the work and will likely re-establish in the disturbed area. 6/29/05

Next likely scheduled inspection:

Thursday, July 21, 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 for Don Ukers

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Date: July 14, 2005

Inspector: Don Ukers

Location: Plumtree Substation Expansion , Bethel

**Storm/
Rain Event** The area received between 1.18 and 2.84" on 7/8 based on reports from different locations and posted by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 7/14/05	- None at this time.
Foundation construction	-The remaining work is mostly electrical, connecting and circuiting the new equipment and within the control house. 6/15-7/14/05 -No soil movement is involved and the concrete trench lids have all been closed. Work is internal to the control house as well. 7/14/05	- The areas are all contained at this time and there is little ongoing work that involves soil disturbance. 4/6-7/14/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The working areas of the site are slightly muddy following recent rain. The perimeter stone berm continues to work well. 7/14/05	-Nothing at this time. 7/14/05

Areas of Inspection	Observation	Recommended Action
	<p>- There is no silt fence in place at this time, however the stone perimeter berm is in place and contains the yard well. 7/14/05</p>	<p>-All stockpiles are well-contained and the berm is working effectively at this time. 7/14/05</p>
	<p>- 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. 3/2-7/14/05</p>	<p>-Continue to monitor status and cover stockpiles with plastic if necessary. 3/2-7/14/05</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>- Wetlands are located around the outskirts of the substation yard. The work within the substation yard has caused no observed sedimentation. 7/14/05</p>	<p>- 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. 7/14/05</p>
<p>State species of concern, threatened and endangered species</p>	<p>-The sand pile with the potential nest has been surrounded with safety fence and does not need to be moved or disturbed for several months. 6/15-7/14/05</p>	<p>- 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 late summer. 6/15-7/14/05.</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>- No dewatering was noted at the time of inspection. 7/14/05</p>	<p>- None at this time.</p>
<p>Blasting</p>	<p>- No blasting is occurring on site at this time.</p>	<p>- None at this time.</p>
<p>Spills and Material Storage</p>	<p>- No drips or leaks were noted on site at this time. 7/14/05</p>	<p>- The contractors should remain vigilant about securing and handling fuel containers.</p> <p>- Keep all vehicles maintained well (i.e. no apparent fluid</p>

Areas of Inspection	Observation	Recommended Action
		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		

Next likely scheduled inspection:

Thursday, July 21, 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: Masonry work is completed and steel construction is ongoing in front of the GIS building. (7/14/05)



View of the rear of the GIS building showing the recently placed steel structures. (7/14/05)



An excavation for a manhole is ongoing between the live yard area and GIS building. (7/14/05)



At the inlet located at the Route 7 off-ramp, the stormwater volumes are such that even the reinforced stone has had some washouts. (7/14/05)



Plumtree Substation: All work is currently internal to the slab. (7/14/05)