

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: June 22, 2005

Inspector: Diana Walden

Location: Norwalk Substation Expansion

Storm/

Rain Event: The area received up to a 0.75" storm on 6/16 in some locations to only a trace to 0.15" as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> - Erosion at the base of the silt fence near the inlet near the Route 7 ramp has uncovered the base of the evergreen planting here. 5/13-6/22/05 - A concrete sidewalk is being installed along New Canaan Ave as part of the substation activities. 6/15/05 Cement has already been placed and the adjacent area is graded. 6/22/05 	<ul style="list-style-type: none"> -The volume of water going to this inlet is causing erosion at the base of the silt fence. Soil should be placed here to cover up the exposed root ball of the planting. The area should be repaired/regraded. 5/26-6/22/05 - Soil will likely be placed here in the coming week with the sidewalk work. Silt fence around the inlet could be removed if efforts to stabilize the area occur. 6/22/05
Foundation construction	<ul style="list-style-type: none"> - Soil from the stockpile was being used around the GIS building, including some small excavation and backfill areas near the back of the building. 6/22/05 -Work on the structures near retaining wall #3 and the control house is ongoing. 6/15-6/22/05 - Another small area of excavation was occurring just within the live yard near the sidewalk installation. 6/22/05 	<ul style="list-style-type: none"> - None at this time. 6/22/05 - All excavation and backfill work is well within the yard and areas are contained, no issues at this time. 6/22/05

Areas of Inspection	Observation	Recommended Action
<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. 6/09-6/22/05.</p>	<p>- Continue to monitor for overall stabilization. Additional seeding should be considered in the areas where bare soil is still visible. 6/09-6/22/05</p>
	<p>- 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. - Vegetative growth is increasing here and will help with stabilization but the root ball of one of the evergreen plantings remains exposed due to the erosion. 5/13-6/22/05</p>	<p>- Continue to monitor until stabilized as the vegetative cover is not yet uniform. Part of the sedimentation is from offsite street runoff which cannot be controlled by onsite actions. 6/22/05 - The area around the exposed root ball should be filled in with soil to protect the planting. The eroded area around the silt fence should be regraded/repared and the silt fence could be removed when this is complete. This will likely occur this coming week with the sidewalk work. 6/22/05</p>
	<p>- The soil stockpiles remaining on site are being used as backfill adjacent to the GIS building and the topsoil is also available for future use. 6/01-6/22/05</p>	<p>- All stockpiles and excavation areas are well within the site and there are no issues at this time. 6/22/05</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>
<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>-The tree plantings appear to be doing well. The channel is dry at this time but wetland vegetation was observed growing in the bottom. Some bare areas of soil along the slopes may need reseeding. 6/15-6/22/05</p>	<p>- 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. 6/22/04</p>

Areas of Inspection	Observation	Recommended Action
Dewatering	- No dewatering was noted at this time however several deep manhole covers were open. 6/22/05	-None at this time. 6/22/05
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 issues last week with a light stand had been taken care of and was not reoccurring this week. 6/22/05</p> <p>- The crane is still located on site and has a pad placed below in case of a leak. There was no apparent problem at the time of inspection. 6/22/05</p> <p>- A small generator trailer had a slow, continuous drip of fuel or fluid. The soil was to be picked up and an absorbent pad placed until repairs could be made 6/22/05.</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	- Active trenching and conduit installation for the 115kV line has moved towards Broad Street. Areas closest to the substation have been backfilled and restored. The invasive species Japanese Knotweed is well established in the surrounding area 6/22/05	- The knotweed was present in the ROW prior to the work and will likely re-establish in the disturbed area. 6/22/05

Next likely scheduled inspection:

Wednesday, June 29, 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: June 22, 2005

Inspector: Diana Walden

Location: Plumtree Substation Expansion , Bethel

**Storm/
Rain Event** The area received up to a 0.75" storm on 6/16 in some locations to only a trace to 0.15" as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 6/22/05	- None at this time.
Foundation construction	-The remaining work is mostly electrical, connecting and circuiting the new equipment and within the control house. 6/15-6/22/05 -No soil movement is involved and the concrete trench lids have all been closed. A few trenches remain open near the control house. 6/22/05	- The areas are all contained at this time and there is little ongoing work that involves soil disturbance. 4/6-6/22/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The working areas of the site are fairly dry and the perimeter stone berm continues to work well. 6/22/05	-Nothing at this time. 6/22/05

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. 6/22/05</p>	<p>-All stockpiles are well-contained and the berm is working effectively at this time. 6/22/05</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. 3/2-6/33/05</p>	<p>-Continue to monitor status and cover stockpiles with plastic if necessary. 3/2-6/22/05</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. 6/22/05</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. 6/22/05</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. 6/15-6/22/05</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. 6/15-6/22/05.</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. 6/22/05</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. 6/22/05</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:

Wednesday, June 29, 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- Work continues out in front of the substation on the New Canaan Ave sidewalk. 6/22/05



View of the small excavation within the live yard near the sidewalk work. 6/22/05



Overall view of the structures and towers installed in the expanded portion of the yard. 6/22/05



View from the back of the GIS building where several smaller areas of excavation and backfill are occurring. 6/22/05



Plumtree Substation- Trench boxes have been closed and only electrical work is occurring on site.
6/22/05