

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: March 2, 2005

Inspector: Don Ukers

Location: Norwalk Substation Expansion

Storm/

Rain Event: The area received between 0.10 to 0.50 inches of precipitation, mostly in the form of snow, since the last inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> - The inlet remains clear of sediment and the silt fence remains stable. Several inches of snow has fallen since the inlet was cleaned. 2/23-3/2/05 - Silt from the erosion and run-off had been noticeable within the earthen swale under the snow and the area will require revegetation in the growing season. 2/23-3/2/05 	<ul style="list-style-type: none"> -A new haybale could be installed here when snow cover is gone to help filter future sediment loads 3/2/05. Continue to monitor inlet and surrounding area and maintain these controls as necessary to prevent sedimentation and stormwater issues. 3/2/05 - The earthen swale and surrounding area is still bare soil and should continue to be monitored and may require additional stabilization in the future.12/30-3/2/05
Foundation construction	<ul style="list-style-type: none"> -The steel frame of the GIS building continues to be under construction. 2/23-3/2/05 -Tower caissons installation was ongoing in the expansion area below retaining wall #3. Water was being pumped in for auguring and dewatering was kept contained on site. 3/2/05 - A small duct bank excavation is underway in the northern portion of the site 3/2/05 Excavation is also underway near the new control house for a deep manhole installation. 	<ul style="list-style-type: none"> - None at this time. 3/2/05 - Soil stockpiles are well within the yard and areas are contained, none at this time. 3/2/05

Areas of Inspection	Observation	Recommended Action
	3/2/05	
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The silt fence remains at the ends of the overflow channel where vegetative has not fully established. 12/16-3/2/05	- Continue to be proactive in silt fence repair and maintenance where needed.
	-The overflow channel continues to work well. 3/2/05.	- Continue to monitor for overall stabilization. In the spring, the situation should be evaluated as additional seeding may be necessary. 3/2/05
	- The flared inlet near the Rt 7 ramp is receiving obvious stormwater flows from off site roadway and on site sources, but it is well protected at this time. A haybale should be placed as an additional precaution when snow cover is gone. 2/23-3/2/05	- Continue to monitor until stabilized as the surrounding area is still bare soil. Until vegetative cover establishes, the potential for sedimentation in this area remains. 1/27-3/2/05
	- Active work with concrete has resumed on site and concrete washouts are being concentrated in either the designated pit area or a lower pit/excavation area. 2/16-3/2/05	- Continue to use these areas for all concrete washouts, wheel and equipment washings. 3/2/05
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

Areas of Inspection	Observation	Recommended Action
Dewatering	- Runoff from water being brought in for the caisson installation is being contained/filtered on site. 3/2/05	-None at this time. 3/2/05
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>- There were no reportable spills during the week or observed during inspection. 3/2/05</p> <p>- A small leak was noted near the Caterpillar D4H bulldozer near retaining wall #1. The machine will be inspected. 3/2/05</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	<p>- Construction activities on the bridge on Broad Street to the north have ended and the bridge is in active use. 2/9/05</p> <p>- The island or bank on which the bridge footing was located is still mostly bare of vegetation but has some erosion control.</p>	- The work is unrelated to the Norwalk substation but should be noted as it is occurring in the adjacent area and could be a potential off-site sedimentation source. 9/10-3/2/05

Next likely scheduled inspection:

Wednesday, March 9, 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: March 2, 2005

Inspector: Don Ukers

Location: Plumtree Substation Expansion , Bethel

**Storm/
Rain Event** The area received between 0.10 to 0.50 inches of precipitation, mostly in the form of snow, since the last inspection as reported by NOAA

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 3/2/05	- None at this time.
Foundation construction	-The major work of connecting the equipment on the constructed slab to the existing equipment is on-going. Several excavations/ trenches around the slab to conduit banks are active but will be completed in the near future. 3/2/05 - Some minor excavation near the control building is ongoing. 3/2/05	- The areas are still contained at this time. From the gradient, it does not appear sedimentation beyond the fence will be an issue but small pockets of pooling water will be contained by reinforcing the berm which was recently completed. 3/2/05

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The working areas of the site are either muddy or snow covered. The minor areas of pooling water by the eastern perimeter fence where the stone perimeter berm was not as high, had been cause to reinforce the stone here. 3/2/05	- Although the gradient of the site would typically drain water from this area, small isolated spots had pooled and could potentially run off site. Gravel has been placed here this week to reinforce the berm which was low in this spot. 3/2/05
	- Plowed snowpiles from this past week's event were located within the yard and no further piles were observed near the wetland edge. 3/2/05	- Continue to place plowed snow from the driveway and work areas within the yard or appropriately away from the wetland edge. 3/2/05
	- There is no silt fence in place at this time, however the stone perimeter berm is well in place and contains the yard. 3/2/05	-All stockpiles are well-contained and the berm is working well at this time, with the newly reinforced area. 3/2/05
	- A majority of the soil has been removed to appropriate off-site locations but two areas will remain on an as needed basis for the remainder of construction. Portions are not covered in plastic but are well within the site. 3/2/05	-Continue to monitor status and cover stockpiles with plastic if necessary. 3/2/05
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 sedimentation and no plowed snow piles were observed. 3/2/05	- 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. 3/2/05
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)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- Minor dewatering is still required for some of the	- None at this time.

Areas of Inspection	Observation	Recommended Action
	excavations adjacent to the slab. Water is being directed appropriately to the trap rock in the center of the yard. 2/16-3/2/05	
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	<ul style="list-style-type: none"> - No drips or spills were reported for the week. 3/2/05 - No spills or equipment drips were noted during the inspection. 3/2/05 	<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		

Next likely scheduled inspection:

Wednesday, March 9, 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



View of construction of caissons near retaining wall #3. 3/2/05



View of steel frame of GIS building, under ongoing construction at this time. 3/2/05



View of Route 7 ramp inlet free of sediment and with silt fence in good repair with several inches of snow cover. 3/2/05



Plumtree Substation: View of one of two small excavations for duct banks adjacent to the concrete slab. 3/2/05



View of snow covered yard and ongoing work on the equipment on and adjacent to the slab.
3/2/05