

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 9, 2005

Inspector: Diana Walden

Location: Norwalk Substation Expansion

Storm/

Rain Event: The area received between 0.16 to 0.42 inches of precipitation, mostly in the form of snow over 3/8-3/9 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> - The inlet is showing signs of receiving more sediment although the silt fence remains stable. A haybale placed here may help filter run-off. 3/9/05 - Some silt from the minor erosion had been noticeable within the earthen swale under the snow and the area will require revegetation in the growing season. A haybale check dam may help prevent sedimentation until vegetation is established. 3/9/05 	<ul style="list-style-type: none"> -A new haybale could be installed here to help filter future sediment loads. 3/9/05. Continue to monitor inlet and surrounding area and maintain these controls as necessary to prevent sedimentation and stormwater issues. 3/9/05 - The earthen swale and surrounding area is still bare soil and may require additional stabilization in the future. A haybale checkdam could be installed to help alleviate sedimentation during thaw periods. 3/9/05
Foundation construction	<ul style="list-style-type: none"> -The steel frame of the GIS building continues to be under construction. 2/23-3/9/05 -Tower caissons appear to be completed for the most part in the area below retaining wall #3. Active dewatering was not observed during the inspection. 3/9/05 - Excavation work continues near the new control house for a deep manhole installation and conduit bank work. 3/2-3/9/05 	<ul style="list-style-type: none"> - None at this time. 3/9/05 - Soil stockpiles are well within the yard and areas are contained, no issues at this time. 3/9/05

Areas of Inspection	Observation	Recommended Action
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. 12/16-3/9/05	- Continue to be proactive in silt fence repair and maintenance where needed.
	-The overflow channel continues to work well. 3/9/05.	- Continue to monitor for overall stabilization. In the spring, the situation should be evaluated as additional seeding may be necessary. 3/9/05
	- The flared inlet near the Rt 7 ramp is receiving obvious stormwater flows from off site roadway and on site sources, and sedimentation is apparent here even with the existing controls. A haybale should be placed as an additional precaution. 3/9/05	- 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. A haybale check dam could also be placed in the earthen swale to slow sedimentation. 3/9/05
	- Several small stockpiles are in new locations on site as a result of the areas of excavation. One is in the location of the old pit/excavate area which has since been filled for the most part. 3/9/05	- All stockpiles and excavation areas are well within the site and there are no issues at this time. 3/9/05
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 active dewatering was noted during this week's inspection and the excavation	-None at this time. 3/9/05

Areas of Inspection	Observation	Recommended Action
	near the caissons appears to be mostly complete 3/9/05	
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. 3/9/05</p> <p>- The small leak on the Caterpillar D4H bulldozer near retaining wall #1 was repaired and any affected soil was picked up. No other noticeable drips were observed. 3/9/05</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>	<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</p>

Next likely scheduled inspection:

Thursday, March 17, 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: March 9, 2005

Inspector: Diana Walden

Location: Plumtree Substation Expansion , Bethel

Storm/

Rain Event The area received between 0.16 to 0.42 inches of precipitation, mostly in the form of snow over 3/8-3/9 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 3/9/05	- 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. 3/2-3/9/05 - Some minor excavation near the control building is ongoing. 3/2-3/9/05	- 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. 3/2-3/9/05
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 berm was reinforced with additional stone along the eastern perimeter fence. One small area here may still need reinforcement as it was inaccessible at the time. 3/9/05	- 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 will also be placed in this last spot once storage materials are moved for access. 3/9/05

Areas of Inspection	Observation	Recommended Action
	<p>- Plowed snowpiles were kept within the yard following this storm event. One pile was fairly close to the berm and will be pulled back. 3/9/05</p>	<p>- Continue to place plowed snow from the driveway and work areas within the yard or appropriately away from the wetland edge. 3/2-3/9/05</p>
	<p>- There is no silt fence in place at this time, however the stone perimeter berm is well in place and contains the yard. 3/9/05</p>	<p>-All stockpiles are well-contained and the berm is working well at this time, with the newly reinforced area. As previously stated, the remaining small area will also be reinforced. 3/9/05</p>
	<p>- 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. 3/2-3/9/05</p>	<p>-Continue to monitor status and cover stockpiles with plastic if necessary. 3/2-3/9/05</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 sedimentation and no plowed snow piles were observed. 3/9/05</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. 3/9/05</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>- 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>- Minor dewatering is still required for some of the excavations adjacent to the slab. Water is being directed appropriately to the trap rock in the center of the yard. 2/16-3/9/05</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>

Areas of Inspection	Observation	Recommended Action
Spills and Material Storage	<ul style="list-style-type: none"> - No drips or spills were reported for the week. 3/9/05 - No spills or equipment drips were noted during the inspection. 3/9/05 	<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: Thursday, March 16, 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*



View of some of the completed work on the caissons and footings near retaining wall #3. 3/9/05



Partial view of steel frame of GIS building and newer small stockpile in the vicinity of the old pit area. 3/9/05



View of the excavation near the control house for manhole installation and conduit bank work. All work is well within the site. 3/9/05



Plumtree Substation: View of small excavation for duct banks/conduit work adjacent to the concrete slab. 3/9/05



Additional stone was placed along the eastern perimeter fence in the area where the berm was noticeable lower. One area may still require improvement to the berm and will be completed when access is available. 3/9/05