

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 18, 2005

Inspector: Diana Walden

Location: Norwalk Substation Expansion

Storm/

Rain Event: The area received between 0.22 to 0.42 inches of precipitation, over 3/11-3/12 and no other precipitation since, 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. 3/9-3/18/05 - 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. 3/9-3/18/05 	<ul style="list-style-type: none"> -A new haybale could be installed here to help filter future sediment loads. 3/9-3/18/05. Continue to monitor inlet and surrounding area and maintain these controls as necessary to prevent sedimentation and stormwater issues. 3/9-3/18/05 - 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. 3/9-3/18/05
Foundation construction	<ul style="list-style-type: none"> -The siding and structure of the GIS building continues to be under construction. Some excavation and backfill is also ongoing near the sides of the building. 3/18/05 -Excavation and backfill continue near retaining wall #3 with the work on connecting the conduit bank 3/18/05 - The excavation near the new control house is now being backfilled and brought to grade. 3/18/05 	<ul style="list-style-type: none"> - None at this time. 3/18/05 - Soil stockpiles are well within the yard and areas are contained, no issues at this time. 3/18/05

Areas of Inspection	Observation	Recommended Action
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p>	<p>- The silt fence remains at the ends of the overflow channel where vegetative has not fully established. 12/16-3/18/05</p>	<p>- Continue to be proactive in silt fence repair and maintenance where needed.</p>
	<p>-The overflow channel continues to work well with some minor erosion along the slope. 3/18/05.</p>	<p>- Continue to monitor for overall stabilization. In the spring, the situation should be evaluated as additional seeding may be necessary. 3/18/05</p>
	<p>- 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. 3/9-3/18/05</p>	<p>- 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. 3/9-3/18/05</p>
	<p>- Following backfill in the area of the old pit, space is limited on site for a concrete washout area. A washout was noted along the access road but is located well away from resource areas. 3/18/05</p>	<p>- Attempt to keep future washouts in this or another designated location. 3/18/05</p>
	<p>- Excavation and backfill are occurring in several areas throughout the site. 3/18/05</p>	<p>- All stockpiles and excavation areas are well within the site and there are no issues at this time. 3/18/05</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>

Areas of Inspection	Observation	Recommended Action
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 in the excavation for the conduit bank. 3/18/05	-None at this time. 3/18/05
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	- A small hydraulic oil spill was observed during the inspection as a result of a leaky line on the NEC, Inc. caisson drilling/auguring truck. The spill was noted behind the truck parked on stone gravel and traced back along its route. Absorbent pads were placed and the affected stone was shoveled up. The spill had not yet reached the ground through the layer of stone. The piece of equipment is now offsite. 3/18/05	- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area. - Continue to 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	- Construction activities on the bridge on Broad Street to the north have ended and the bridge is in active use. 2/9/05 - The island or bank on which the bridge footing was located is still mostly bare of vegetation but has some erosion control.	- 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 23, 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 18, 2005

Inspector: Diana Walden

Location: Plumtree Substation Expansion , Bethel

Storm/

Rain Event The area received between 0.22 to 0.42 inches of precipitation, over 3/11-3/12 and no other precipitation since, as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 3/18/05	- 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 still active but will be completed in the near future. 3/2-3/18/05 - Some minor work near the control building is ongoing. 3/2-3/18/05	- 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 completing the reinforcement of the stone berm. 3/2-3/18/05

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 mostly muddy. The berm was reinforced with additional stone along the eastern perimeter fence however the stone needs to be extended on both ends once the area is accessible. 3/18/05	- Although the gradient of the site would typically drain water from this area, small isolated spots had pooled and could potentially run off site. The gravel will need to be extended once storage materials are moved for access. 3/18/05
	- The melting snow/sediment piles are within the site and the wetlands are protected by the berm. 3/18/05	- Continue to place plowed snow from the driveway and work areas within the yard or appropriately away from the wetland edge. 3/2-3/18/05
	- There is no silt fence in place at this time, however the stone perimeter berm is well in place and contains the yard. 3/18/05	-All stockpiles are well-contained and the berm is working well at this time, with the newly reinforced area. As previously stated, the remaining area will also be reinforced. 3/18/05
	- 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. Portions are not covered in plastic but are well within the site. 3/2-3/18/05	-Continue to monitor status and cover stockpiles with plastic if necessary. 3/2-3/18/05
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. 3/18/05	- 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. 3/18/05
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	- Dewatering was not currently active at the time of	- None at this time.

Areas of Inspection	Observation	Recommended Action
	the inspection however, hoses remain to direct water to the traprock in the yard if it becomes necessary again. 3/18/05	
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	<p>- No drips or spills were reported for the week or noted during the inspection. 3/18/05</p> <p>- Several gasoline cans are being stored near the eastern perimeter fence and they are covered with plastic tarp. However, if they are not empty, it should be determined whether a better storage location is available on site as the wetlands are within 15 feet of the fence. 3/18/05</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 leaks) if they will be used or stored on site. Check equipment status on a regular basis.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Additional Observations		

Next likely scheduled inspection:

Wednesday, March 23, 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



Excavation, backfill and work on the conduit bank continues near retaining wall #3. 3/18/05



The recent excavation area near the control house is being backfilled and brought up to grade.
3/18/05



Siding and structural work continues on the GIS building with excavation and backfill occurring in surrounding areas. 3/18/05



A small hydraulic oil spill had occurred on the gravel, likely as the result of a leaky hose on the caisson drilling truck. An absorbent pad was placed and the affected gravel was to be picked up. 3/18/05



Additional stone was placed along the eastern perimeter fence but it needs to be continued on each end to cover all the low areas. 3/18/05



View of the stockpiles and general site conditions. 3/18/05