

**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:** January 27, 2005

**Inspector:** Chuck Gidman

**Location:** Norwalk Substation Expansion

**Storm/**

**Rain Event:** The area received approximately 0.01 inches of precipitation on 1/22/05 and only traces prior to the inspection as reported by NOAA for Danbury, Ct

Areas of Inspection	Observation	Recommended Action
<p>Access Roads and Adjacent Roadways</p>	<p>-The inlet area near the Route 7 ramp had been receiving obvious stormwater from both on site areas and off site roadways. Currently the inlet and surrounding area is frozen and covered with snow. The inlet remains protected. 1/27/05</p> <p>- The earthen swale and surrounding areas are frozen and snow covered at this time. Silt from the erosion and run-off had built up at the end of the swale as well as around the inlet but remains contained and under the snow. 1/27/05</p>	<p>-The silt fence remains secured with stone. Continue to monitor inlet and surrounding area and maintain these controls as necessary to prevent sedimentation and stormwater issues. 1/27/05</p> <p>- The earthen swale and surrounding area is still bare soil under the snow cover and should continue to be monitored and may require additional stabilization in the future.12/30-1/27/05</p>
<p>Foundation construction</p>	<p>-Work is complete on the walls of the GIS building. No work on the building at this time but carpenters are expected in the next week. 1/27/05</p> <p>-Material has been stock piled but is well within the site and is contained by wall 2. 12/22-1/27/05.</p> <p>- Work on structure footings for expanding the 115 kV line is occurring to the south of</p>	<p>- None at this time. 1/27/05</p> <p>- Areas are contained, none at this time. 1/27/05</p> <p>Area is contained, none at this</p>

Areas of Inspection	Observation	Recommended Action
	wall 3 but stockpiles are well within the yard. 12/30-1/27/05 -Excavation and installation of conduit banks has expanded to within the active, charged yard from the area south of wall 3. 1/27/05	time. 1/27/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The silt fence remains as necessary at the ends of the overflow channel where vegetative has not fully established. 12/16-1/27/05	- Continue to be proactive in silt fence repair and maintenance where needed.
	-The overflow channel continues to work well and conditions are snow covered and fairly frozen at this time. 1/27/05.	- None at this time. 1/27/05
	- The flared inlet near the Rt 7 ramp remains protected by haybale and silt fence controls. However, it does receive obvious stormwater flows and sediment has built up around the controls. The inlet and adjacent area is currently frozen and snow covered. 1/27/05	- 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 1/27/05
	- The yard is under frozen and snow covered conditions at this time. 1/27/05	-Continue to monitor for overall stabilization. In the spring, the situation should be evaluated as additional seeding may be necessary. 1/27/05
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

Areas of Inspection	Observation	Recommended Action
		ground cover here. 11/18/04
Dewatering	- Dewatering activities are complete at this time.	-No actions required at this time.
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	<ul style="list-style-type: none"> <li>- There were no spills reported during the week or observed during inspection. 1/27/05</li> <li>- The Galion boom hoist has not yet been repaired but it has a pad placed under the leak. If the leak is not repaired, the machine will likely be removed from the site. 1/27/05</li> </ul>	<ul style="list-style-type: none"> <li>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area.</li> <li>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. -</li> <li>- Check equipment status on a regular basis.</li> <li>- Report spills to the office immediately, even if they are being controlled.</li> </ul>
Additional Observations	<ul style="list-style-type: none"> <li>- As previously noted, construction activities are ongoing on the bridge on Broad Street to the north. 9/10-1/27/05</li> <li>- The island or bank on which the bridge footing was located is mostly bare of vegetation but has erosion control.</li> </ul>	- 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. 9/10-1/27/05

**Next likely scheduled inspection:**

Wednesday, February 2, 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:**

Chuck Gidman

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**Date:** January 27, 2005

**Inspector:** Chuck Gidman

**Location:** Plumtree Substation Expansion , Bethel

**Storm/  
Rain Event** The area received approximately 0.01 inches of precipitation on 1/22/05 and only traces prior to the inspection as reported by NOAA for Danbury, CT

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 1/27/05	- None at this time.
Foundation construction	-The major work of placing equipment on the recently constructed slab and connecting it to the existing equipment is on-going. 1/27/05  - Excavation is to be temporarily suspended due to weather and frost conditions on the cable trench closer to the trailers. 1/27/05	- 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 may require reinforcement of the berm here. The frozen conditions will prevent this work as well as reduce the need for it, but it could be completed when the snow melts. 1/07-1/27/05

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The site is frozen at this time and mobile surface water is not an issue. Some minor areas of pooling water by the eastern perimeter fence where the stone perimeter berm is not as high may potentially cause a spillover when the area thaws. 1/27/05	- Although the gradient of the site would typically drain water from this area, small isolated spots had pooled and could potentially run off site. Some gravel could be placed here to reinforce the berm which is low in this spot. This can be done following snow melt 1/07-1/27/05
	- There is no silt fence in place at this time, however major stockpiles are covered in plastic following the end of each work day and the stone perimeter berm is well in place and contains the yard. 1/27/05	-All stockpiles are well-contained and the berm is working well at this time. 1/27/05
	- Portions of the stockpiles of soil have begun to be removed. Clean Harbors has already moved a couple of loads to appropriate off site locations, and more removal is expected. 1/27/05	-Continue to keep piles which are still on-site, covered/protected with plastic. 1/27/05
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. Work is fairly close to the perimeter fence but there is no noted sedimentation to the wetland area. 9/10-1/27/05	- 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. 9/23-1/27/05
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 is not necessary at this time due to the frozen ground conditions.1/27/05	- None at this time.
	- No blasting is occurring on	- None at this time.

Areas of Inspection	Observation	Recommended Action
Blasting	site at this time.	
Spills and Material Storage	<ul style="list-style-type: none"> <li>- No drips or spills were reported for the week. 1/27/05</li> <li>- No spills or equipment drips were noted during the inspection. 1/27/05</li> </ul>	<ul style="list-style-type: none"> <li>- The contractors should remain vigilant about securing and handling fuel containers.</li> <li>- 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.</li> <li>- Report spills to the office immediately, even if they are being controlled.</li> </ul>
Additional Observations		

**Next likely scheduled inspection:**

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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:**

Chuck Gidman



View of the excavation and trench work south of wall #3 for the continued expansion of equipment. All areas are well contained at this time. 1/27/05



The excavation and trench work is expanding into the active, charged yard. Again all areas are contained and well within the site. 1/27/05



The GIS building forms have been poured and carpentry work on the building will begin. soon 1/27/05



Plumtree Substation: Work continues on the cable trenches near the trailer however it may be put on hold due to a deep frost layer. 1/27/05



Work continues on the slab connecting the new equipment to the active yard. 1/27/05



The site is largely snow covered and surfaces are frozen at this time. Sediment is not highly mobile. 1/27/05