

**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:** December 14, 2005

**Inspector:** Diana Walden

**Location:** 115 kV Underground Route

**Storm/**

**Rain Event:** Approximately 0.76" of precipitation fell in the form of snow on 12/9 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	- <b>Bethel Educational Park:</b> Scaffolding was in place for continued work on the structures. Internal vault work was noted near the Middle School 12/14/05	-See erosion control section for specifics. 12/14/05
<b>Hoyts Hill Transition Structure</b>	- Scaffolding had been removed and there was some equipment remaining working on the structure. 12/14/05	- See erosion control section for specifics. 12/14/05
<b>Gallows Hill Road and Rt. 107, Redding</b>	- Several crews were noted working internal to the vaults throughout the project route. 12/14/05 - Bituminous curbing had been installed at the island at the Rt. 107 turn but it appeared in disarray this week. 12/14/05 - Storage areas along Rt. 107 remain in partial use. Snow plowing issues were noted. 12/14/05	-None at this time. 12/14/05  - Repair if necessary 12/14/05  - See additional sections for more information. 12/14/05
<b>Rt. 58, Bethel</b>	- Several crews were noted working internal to the vaults throughout the project route. 12/14/05	- See additional sections for more information. 12/14/05
<b>Broad Street/ROW, Norwalk</b>	- The jack and bore under the railroad on Broad St. is completed and all affected parking lots and drives have been repaired. 12/14/05	-A few materials were left behind here and the road surface is still fairly rough. 12/14/05

Areas of Inspection	Observation	Recommended Action
<b>Broad Street/ROW, Norwalk</b>	- The ROW is awaiting construction of the bike path but partial snow cover is now present. 12/8-12/14/05	- None at this time. 12/14/05
<b>Main Ave. / Rt. 7, Norwalk</b>	-115kV work apparently associated with the structure at Norwalk Junction required snow plowing on site. Some issues resulted that need attention. 12/14/05	-See erosion control section for details but repairs are necessary. 12/14/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)  <b>Bethel Educational Park</b>	- The northern ROW was placed with stone for equipment access but some portions were somewhat rutted. 12/1-12/14/05 -Scaffolding was in place at both structures and work was ongoing. 12/14/05  - Some remaining ruts were also noted along the southern access road. 12/8-12/14/05	-Some mulch should be placed on ruts when access needs are complete but snow cover is now a factor. 12/8-12/14/05  - Some mulch should be placed on ruts when access needs are complete but snow cover is now a factor. 12/8-12/14/05
<b>Hoyts Hill Riser Transition Structure (Off Rt. 58)</b>	- Work is nearing completion on the pole structure. 12/14/05 - Equipment access has created additional ruts along the sides of the drive in the mud. 11/23-12/14/05	- The ruts should be graded and mulch added to the area when the equipment access is complete but snow cover is now a factor. 12/14/05

Areas of Inspection	Observation	Recommended Action
<b>Route 58</b>	<ul style="list-style-type: none"> <li>- Work was only noted internal to vaults in a number of locations on the roadway this week. This creates some surrounding areas of bare soil 12/14/05</li> <li>- Continue to monitor the stream near the vault at Putnam Park. It was running very clear but bare soil had been located around it. 12/1-12/14/05</li> <li>- Snow plowing at the Putnam Park storage area created some issues as it was pushed beyond the controls towards the stream. 12/14/05</li> <li>-The Sunset Hill Rd. storage area has similar issues with snow plowing over the controls. 12/14/05</li> </ul>	<ul style="list-style-type: none"> <li>-Continue to restore the edge of roadway with mulch if feasible following equipment access. This is esp. needed north of the Sunoco. 12/14/05</li> <li>-A few haybales could be added around the entrance to the stream here. 12/14/05</li> <li>-Pull back snow from the wetlands and repair the silt fence. Sediment is pushed along the snow so future plowing should be done with care. 12/14/05</li> </ul>
<b>Gallows Hill Road</b>	<ul style="list-style-type: none"> <li>-The roadway and adjacent work areas are well stabilized. 12/14/05</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time 12/14/05</li> </ul>
<b>Rt. 107 (Lonetown Rd)</b>	<ul style="list-style-type: none"> <li>- Work was only noted internal to vaults in a number of locations on the roadway this week. This creates some surrounding areas of bare soil. 12/14/05</li> <li>- Snow plowing issues were noted at the storage area south of the 90 degree turn on Rt. 107 where snow was pushed over the controls. 12/14/05</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to restore the edge of roadway with mulch if feasible following equipment disturbance. 12/14/05</li> <li>- Monitor and repair the fence here as long as storage continues in these areas. 12/14/05</li> </ul>
<b>Broad Street and ROW, Norwalk</b>	<ul style="list-style-type: none"> <li>- The bike path will be constructed in the spring as snow cover is now a factor 12/8-12/14/05</li> <li>- A disturbed area near the cemetery could use some mulch if feasible. 12/8-12/14/05</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to maintain silt fence where needed. 12/8-12/14/05</li> <li>-Snow cover is now a factor. Leftover materials should also be picked up. 12/14/05</li> </ul>

Areas of Inspection	Observation	Recommended Action
<b>Main Ave/ Rt. 7, Norwalk</b>	-Erosion controls were pushed over as a result of the snow plowing at Norwalk Junction- apparently for 115kV related work on the structure. This has pushed sediment laden snow towards the river beyond the silt fence. 12/14/05	- The 115kV contractors should repair the fence and pull back the snow piles if it is determined to be their responsibility. 12/14/05
Contaminated Soils	-Soil disposal is no longer a major component of the project as the trench work is completed. Clean process was brought in to bring roadways to grade and is mostly used up. All remaining soil work is still being handled as approved. 12/14/05	- All soils appear to be handled appropriately. A few stone piles remain at the storage areas. 12/14/05
Adjacent Wetlands and Waterways	-The stream near Sara's Way off Rt. 58 remains clear and banks are free from erosion. 12/14/05  - A small stream crossing near Putnam Park at a vault also remains clear at this time. 11/23-12/14/05	- None at this time. Continue to monitor for final vegetative stabilization. 12/8/05  - Monitor as bare soil remains around the stream. A few haybales could be installed. 12/14/05
Staging, Storage, and Parking Areas	- At the storage area off Rt. 58 near Putnam Park controls were pushed over by sediment laden snow plow piles in some locations. 12/14/05  - The Sunset Hill Rd. storage yard has similar snow plow issues. 12/14/05  -The area across from the country club near the 90 degree turn on Rt. 107 has similar snow plow issues. 12/14/05	-Snow needs to be pulled back and erosion controls repaired. Retain the silt fence here due to the proximity of the pond while the yard surface is disturbed. 12/14/05  - Maintain fence as long as the area is being used but it can be pulled if the storage areas are mulched/restored. Snow cover may now be factor.12/8-12/14/05  - Maintain fence in the Rt. 107 yards as they are in use and have disturbed soil. 12/14/05
State species of concern, threatened and endangered species	- No species of concern are located in the areas of construction.	- N/A

Areas of Inspection	Observation	Recommended Action
Vegetative clearing limits (including trees to save or danger trees noted)	- A few areas as noted had ruts caused by equipment access. They should be re-restored when feasible although snow cover will now be a factor. 12/8-12/14/05	- The D&M plan requires that disturbed areas that will be left for more than 21-30 days before work returns, should be temporarily stabilized with mulch or seed within 7-14 days.
Dewatering	-Dewatering is usually only needed near duct proofing activities now that trench work is complete. Dewatering from any work conducted by Mass Electric/Kiewit is directed back to the ground or catch basins through controls. 10/27-12/14/05	- Continue to use filtration prior to discharging any water. 12/14/05
Blasting	- No blasting is occurring in any areas at this time.	- None at this time.
Spills and Material Storage	<p>- A report of any leaks or spills that reach the ground and occur during the week should be provided to BSC from internal project inspectors 6/15-12/14/05</p> <p>- In general catch basins, inlets and swales should continue to consistently be protected especially in any remaining roadway repair activities. Efforts have been good at this point. 12/14/05</p>	<p>- 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 and keep spill kits on hand. Report spills immediately, even if they are being controlled.</p> <p>- The contractors should remain vigilant about securing and handling fuel and material containers.</p> <p>- Equipment and materials should not be stored in wooded areas unless it is designated for storage.</p>

**Next likely scheduled inspection:**

Thursday, December 22, 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



**115kV (Broad Street):** Photo on the left shows a view of the parking lot where the bore pit was previously located. Photo on the right shows the parking lot where the receiving pit was previously located. Both have been restored and repaved. 12/14/05



**115kV (Broad St. and ROW):** Photo on the left shows Broad St. following the work. Portions of the work area are fairly rough and may need further re-paving. Photo on the right is the view from the ROW at the substation towards Broad St. 12/14/05



**115kV (Norwalk Junction). Both photos show areas where snow was plowed up to and over the existing perimeter fence. Although this is at a transition station, the plowing was apparently part of the 115kV work. The snow should be pulled back and the fence repaired. 12/14/05**



**Overall view of the transition station in the vicinity of the 115kV work. The snow plow pile is noted in the background of the photo up against the silt fence. Plowed snow has associated sediment which is now placed beyond the perimeter barrier. 12/14/05**



**115kV (Storage yards). Photo on the left shows the storage area near the Rt. 107 90 degree turn. Similar issues with snow plowing were noted here and fence was down. Photo on the right shows internal vault work near Putnam Park. 12/14/05**



**115kV (Putnam Park Storage Area) Photo on the left shows a stockpile remaining at the storage area, partially covered in plastic and contained to the site. Photo on the right shows similar issues with snowplowing piled up and over the silt fence adjacent to the wetland. 12/14/05**



**115kV: (Sunset Hill and Hoyts Hill) Photo on the left shows similar snow issues at Sunset Hill Storage Area. Photo on the right shows the work on the pole structure here. Note that additional ruts were created to the right of the access drive due to equipment access. 12/14/05**



**115kV: (Bethel Education Park) Photo on the left shows a view of the work on the north tower with scaffolding. Photo on the right shows work internal to the vault located near Bethel Middle School. 12/14/05**