

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: September 29, 2005

Inspector: Don Ukers and Brian Sakidovitch

Location: 115 kV Underground Route

Storm/

Rain Event: The area received several smaller rain events between 0.23-0.42” on 9/26 and between 0.13-0.45” on 9/29 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	- Bethel Educational Park: Grass continues to increase in many locations and efforts were made to repair the two gullies noted last week. 9/29/05	-See erosion control section for specifics. 9/29/05
Hoyts Hill Transition Structure	-Active work was not noted here at the time of inspection. 9/29/05	- See erosion control and spill section for site specific information. 9/29/05
Gallows Hill Road and Rt. 107, Redding	-Crews were working in the manholes along Gallows Hill pulling cable and restoration continues. 9/1-9/29/05 - Some limited trenching was noted along Rt. 107. 9/29/05	- Restoration efforts continue to be noted in locations. See erosion control and additional sections for more specific information. 9/29/05
Rt. 58, Bethel	- Trench/conduit installation was occurring along Rt. 58 in several locations including in the Putnam Park area. 9/21/05 - The stream cut at Sara’s Way is complete with restoration measures ongoing. Trenching was occurring immediately adjacent in the roadway. 9/29/05	- See the erosion control and additional sections for more information. The ongoing restoration for the stream work is in good shape. 9/21/05

Areas of Inspection	Observation	Recommended Action
Broad Street/ROW, Norwalk	<ul style="list-style-type: none"> - The jack and bore under the railroad on Broad St. is ongoing. 9/29/05 -A few sections of silt fence need repair along the ROW as a result of foundation construction here. 9/29/05 	<ul style="list-style-type: none"> -Activities were fairly well contained here. 9/29/05
Rt. 7, Norwalk	<ul style="list-style-type: none"> - Nightwork continues in several locations along Rt. 7. 9/29/05 	<ul style="list-style-type: none"> -See storage sections regarding concrete disposal for this work. 9/29/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - For the most part, silt fence has been well installed in most locations where the work is located adjacent to wetlands and soils are being handled appropriately. 9/29/05 - Repairs and restoration efforts continue to be made and a lot of progress has been made. 9/29/05 	<ul style="list-style-type: none"> - Continue to be proactive in maintenance as necessary. See below for site-specific issues. 9/29/05
Bethel Educational Park	<ul style="list-style-type: none"> - All disturbed areas continue to show very good grass growth including edge areas along the ROW. 9/29/05 - The gully noted on the northern part of the ROW has been repaired with haybale check dams placed as recommended. 9/29/05 - The gully near the southern caisson was also repaired with a haybale in place to help filter. 9/29/05 	<ul style="list-style-type: none"> - None at this time. 9/29/05 - Continue to monitor and stabilize as needed. 9/29/05
Hoyts Hill Riser Termination Structure (Off Rt. 58)	<ul style="list-style-type: none"> - Erosion controls are mostly in good shape here. The foam insulation was removed as suggested. 9/29/05 - The small oily spot on the soil was removed as suggested. 9/29/05 - The contractor is in the process of removing the homeowner's wood debris pile. 9/29/05 	<ul style="list-style-type: none"> - Keep all areas of erosion control maintained. 9/29/05 - None at this time. 9/29/05 - The siting council suggested that NU could offer to remove the wood/debris for the owner. 8/25-9/29/05

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Route 58	<p>- Most catch basins near the work areas are being consistently placed with either haybales or fabric and are well protected. 9/29/05</p>	<p>-In general, contain slurry or mobile sediment to work areas and street sweep the road extent including the gutters, regularly and place and maintain controls on all catch basins and inlets. 9/29/05</p>
Route 58 continued	<p>- The stream cut at Sara's Way is completed and the channel was restored. Water was just being allowed to return to its original path. Pumps were being removed the following day and a number of check dams were downstream in the channel to filter flow. 9/29/05</p> <p>-The silt fence at the storage area near Sunset Hill Road has been restored as recommended. The small area of disturbance outside the silt fence was still noticeable and should be restored when feasible. 9/21-9/29/05</p> <p>- Areas that have been mulched should be seeded and silt fence can then be removed when work will not return here. 9/7-9/29/05</p>	<p>- None at this time. Continue to monitor and restore the area. 9/29/05</p> <p>- Keep all equipment within storage areas or install more fence here to accommodate them. Restore the area as necessary. 9/29/05</p> <p>- This includes the area north of the Sunoco station. 9/29/05</p>
Gallows Hill Road and Rt. 107 (Lonetown Rd)	<p>- Crews were still working within the manholes on Gallows Hill Rd. pulling cable. 9/29/05</p> <p>-Most of Gallows Hill is well restored with mulch and seed. Restoration efforts were made near #116, #86, and the original storage area near #84. Silt fence was pulled out. 9/29/05</p> <p>- Work will need to return to the state Rts. to bring them to specified grade. Silt fence should remain and be maintained before work returns. Otherwise silt fence can be pulled and then reinstalled. 9/29/05</p>	<p>-None at this time. 9/29/05</p> <p>- Continue to monitor and restored areas for final vegetation. 9/29/05.</p> <p>-Maintain controls when work returns to the area. 9/29/05</p>

Areas of Inspection	Observation	Recommended Action
<p>Broad Street and Rt. 7, Norwalk</p>	<p>- A soil stockpile from the roadwork is being kept in the ROW. Silt fence was placed here but some areas may need to be toed in. 9/15-9/29/05</p> <p>- The silt fence at the substation end of the ROW where foundations were installed could use some repair. At another spot along the ROW, the fence needs to be righted. 9/29/05</p>	<p>-Maintain silt fence as needed. 9/15-9/29/05</p> <p>-Maintain silt fence as needed. 9/29/05</p>
<p>Broad Street and Rt. 7, Norwalk</p>	<p>- A pile of debris apparently excavated during the trenching in the ROW is located just off Broad Street. 9/1-9/29/05</p> <p>-Catch basins continue to be protected with haybales here as recommended. 9/29/05</p> <p>- The jacking and receiving pits off Broad St. are well contained. 9/21/05</p> <p>-Nightwork on Rt. 7 continues. No issues were noted leftover during the day inspection. 9/29/05</p>	<p>- NU should work with the contractor to determine how to dispose of this. 9/29/05</p> <p>- Continue to maintain and protect catch basins. 9/29/05</p> <p>- None at this time. 9/21/05</p> <p>- The vac truck approach used at night is a very effective means of handling the muds. Continue to utilize consistently.</p>
<p>Contaminated Soils</p>	<p>- Contaminated soil is being stored and labeled separately from that considered “background polluted”. Contaminated soils are eventually brought off site to an O&G facility in Bridgeport. Water from contaminated soils are sent to frac trucks and tanks Occasionally, soils are being stored temporarily at Redding Yard until they are trucked to Bridgeport or the landfill. 9/29/05</p>	<p>- All soils appear to be handled appropriately. 9/29/05</p> <p>- It has been determined that the Redding landfill will use all soils from the roadways in Redding that are considered clean, (based on acceptable RSR levels), as daily cover.</p>
<p>Adjacent Wetlands and Waterways</p>	<p>-The stream cut near Sara’s Way off Rt. 58 has been completed well without any issues. Flow was just being allowed to return to the channel and the area was being restored. 9/29/05</p> <p>- Check dams were located in the down stream portion to filter flow. 9/29/05</p>	<p>- None at this time, the restoration efforts look to be in good shape. 9/29/05</p>

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<p>Staging, Storage, and Parking Areas</p> <p>Staging, Storage, and Parking Areas continued</p>	<ul style="list-style-type: none"> - The concrete storage area for Rt. 7 work near the Merritt Parkway cloverleaf is under discussion and contractors are working to increase controls here. 9/15-9/29/05 - However, after daywork in the area (unrelated to the 115kv) similar issues were noted with washout entering a nearby inlet on the road. 9/15/05 - In Redding Town Yard, soil excavate is only temporarily stored here until it can be trucked for disposal in the O&G facility in Bridgeport or the Redding landfill. The additional controls installed at the Redding Yard continue to be effective in retaining the concrete washout water. 9/15-9/29/05 - At the storage area off Rt. 58 near the Putnam Park entrance, things were well contained and the yard is looking much better. 9/29/05 - The silt fence at the yard at the intersection of Rt. 58 and Sunset Hill Rd was well contained. The tracked area outside the fence was still noticeable. 9/21-9/29/05 - The Redding CC storage area fence remains well in place. 9/29/05 	<ul style="list-style-type: none"> - Al though this washout is used for other O&G projects in the area, it still needs to be reinforced and controlled to the same standards as the 115kV if this project uses it. The exact area in use is being determined. 9/15-9/29/05 -BSC is scheduled to meet here with contractors at the next inspection. 9/29/05 - None at this time, continue to maintain the controls as needed. 9/29/05 -Continue to maintain fence and treat it as limits of work and storage. 9/15-9/29/05 - Continue to maintain fence and treat it as a limit of work. Vehicles should stay within the fenced areas. 9/29/05 -None at this time. 9/29/05
<p>State species of concern, threatened and endangered species</p>	<ul style="list-style-type: none"> - No species of concern are located in the areas of construction. 	<ul style="list-style-type: none"> - N/A
<p>Vegetative clearing limits (including trees to save or danger trees noted)</p>	<ul style="list-style-type: none"> - Mulching of bare areas is ongoing and should continue and areas should be seeded as necessary, especially the vault areas as they are the largest 	<ul style="list-style-type: none"> - The D&M plan requires that disturbed areas to be left for more than 21-30 days before work returns here should be temporarily stabilized with

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	<p>disturbance. When the areas are mulched and seeded, silt fence can be removed where work will not return. 9/7-9/29/05</p> <p>- A number of areas along Gallows Hill as well as on Rt. 107 (including the vault across from Jacob's Lane) have been restored. 9/29/05.</p>	<p>mulch or seed within 7-14 days.</p> <p>- Continue to send restoration crews out in time with D&M requirements and seed mulch areas where needed. 9/29/05.</p>
Dewatering	<p>- Almost all dewatering discharge along the route is being directed to frac trucks or tanks due to concerns about the polluted soils. 7/21-9/29/05</p> <p>-Several tanks for dewatering are being stored at the Putnam Park storage area. 9/15-9/29/05</p>	<p>- It appears that the storage and disposal solution will continue due to concerns about the background pollutants in soils, even in those not considered contaminated. 7/21-9/21/05 It may be important to determine total daily volumes of water removal and evaluate whether this is a stress to the watershed or not a significant impact. 7/21-9/21/05</p>
Blasting	<p>- No blasting is occurring in any areas at this time.</p>	<p>- None at this time.</p>
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 6/15-9/29/05</p> <p>- In general catch basins, inlets and swales should continue to consistently be protected especially in any area with sawcutting activities. This is being done very well at this point. 9/29/05</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>
Additional Observations		

Next likely scheduled

inspection: Wednesday, October 5, 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*



115kV (Broad Street and ROW): The photo on the left shows the corner edge of silt fence near the foundations at the substation which should be repaired. Photo on the right shows a spot along the ROW where the fence should be righted. (9/29/05)



115kV (Gallows Hill Rd): The photo on the left shows restoration efforts near #116. Photo on the right shows restoration at the original storage area near #84. (9/29/05)



115kV (Rt. 58) The photo on the left shows the vault installation across from Jacob's Lane with restoration efforts. Photo on the right shows the Sunset Hill Rd storage area with appropriate controls. (9/29/05)



115kV (Rt. 58 Stream Cut) The stream cut at Sara's Way has been completed and restoration of the area was in progress. Water was just beginning to be released to the stream channel. (9/29/05)



View downstream of the work. A number of check dams were placed to filter the stream flow. (9/29/05)



View of the trench work returning to the roadways adjacent to the stream cut. (9/29/05)



115kV: Photo on the left shows the continued good containment of the concrete washout at the Redding Town Yard. Photo on the right shows where the southern gully in the ROW has been repaired at Bethel Educational Park. (9/29/05)



115kV (Bethel Ed. Park): Photo on the left shows haybale check dams placed in an attempt to slow stormwater flow to the ROW. The photo on the right shows the good grass growth at the northern end of the ROW. (9/29/05)