

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 7, 2005

Inspector: Diana Walden

Location: 115 kV Underground Route

Storm/

Rain Event: The area has received only traces of precipitation since the last inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	- Work in the Bethel Educational Park is completed. All of the lawn and ROW were well restored 9/7/05	-See erosion control section for specifics. 9/7/05
Hoyts Hill Transition Structure	- Active trenching was occurring in this area to bring the conduit up to the transition structure. 9/7/05	- See erosion control section for site specific information. 9/7/05
Gallows Hill Road and Rt. 107, Redding	-Crews are still working in the manholes along Gallows Hill and some repair work was necessary. 9/7/05 - Several crews continue actively trenching in Rt. 107 including near the intersection of Rts 58 and 107 at Putnam Park. 9/7/05	- Restoration efforts continue to be noted in locations. See erosion control and additional sections for more specific information. 9/7/05
Rt. 58, Bethel	- Trench/conduit installation was occurring along Rt. 58 in several locations. 9/7/05 - A vault installation was underway across from the Putnam Park Pond. 9/7/05	- Activities are fairly well contained to the roadway. See the erosion control and additional sections for more information. 9/7/05
Broad Street/ROW and Rt. 7, Norwalk	- The receiving pit is now also under construction in a parking lot off Broad St. for the bore activities under the railroad. 9/7/05	-Activities were fairly well contained here. 9/7/05

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<p>Broad Street/ROW and Rt. 7, Norwalk</p>	<p>- Work continues on a vault dig/installation along Broad Street near the overpass. Stockpiles are being stored in the ROW. 9/1-9/7/05</p> <p>- Nightwork continues in several locations along Rt. 7. 9/7/05</p>	<p>-See the additional sections for a few recommendations here. 9/7/05</p> <p>-See storage sections regarding concrete disposal for this work. Everything else is well contained. 9/7/05</p>
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p> <p>Bethel Educational Park</p>	<p>- 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. 9/7/05</p> <p>- Repairs and restoration efforts continue to be made and there are fewer issues each week. 9/7/05</p> <p>- All disturbed areas within school lawns continue to show very good grass growth. 9/1-9/7/05</p> <p>- The ROW is well restored and has been hydroseeded. The area where the stockpile was is graded and well seeded and a gate was installed. 9/7/05</p> <p>- Portions of the southern end of the ROW will remain as an access roadway as requested by the school. 9/7/05</p> <p>- Silt fence was reinstalled all along the southern portion and is well in place. 9/7/05</p>	<p>- Continue to be proactive in maintenance as necessary. See below for site-specific issues. 9/7/05</p> <p>- None at this time. Continue to monitor for vegetative growth. Conditions are very good here and this portion of the project may be able to be removed from inspection after stabilization is reached. 9/7/05</p> <p>- One area along the northern ROW showed a slight erosive gully. Continue to watch this area in particular. 9/7/05</p>

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<p>Hoyts Hill Transition Structure (Off Rt. 58)</p>	<p>-Trenching has returned to this area in order to bring the conduit up to the transition structure. Erosion controls are mostly in good shape here. One spot along the access path needs to be toed-in 9/7/05</p> <p>- The contractor will ask the adjacent homeowner whether they would like their debris pile removed. 9/7/05</p>	<p>- Keep all areas of erosion control maintained. 9/7/05</p> <p>- The siting council suggested that NU could offer to remove the wood/debris for the owner. 8/25-9/7/05</p>
<p>Route 58</p>	<p>- Most catch basins near the work areas have been placed with either haybales or silt fence. One was noted upgradient of the vault installation but below a small bare area and it was asked that it be protected. 9/7/05</p> <p>- At the storage area off Rt. 58 near the Putnam Park entrance, erosion controls were in place but see storage section for more details. 9/7/05</p> <p>-One work area had some silt fence pushed down but it was repaired during the inspection. 9/7/05</p> <p>-The storage area near Sunset Hill road had some trench covers placed against the silt fence, pushing it over. 9/7/05</p> <p>- Areas that have been mulched should be seeded and silt fence can then be removed when work will not return here. 9/7/05</p>	<p>-In general, contain slurry or mobile sediment to work areas and street sweep the road extent including the gutters, regularly. Place and maintain controls on all catch basins and inlets which may receive muds. 9/7/05</p> <p>- None at this time. Continue to maintain all fence as needed. 9/7/05</p> <p>- The fence is well toed in and still functioning but the stakes should be righted. Contractors were attending to it at the time. 9/7/05</p> <p>- This includes</p>

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<p>Gallows Hill Road and Rt. 107 (Lonetown Rd)</p>	<p>- Crews were still working within the manholes on Gallows Hill Rd. and some in trench repair may be necessary. 9/7/05</p> <p>-The area at the ROW intersection was well mulched as was a turn around area. The vault near Longwood Dr. (#13) could use some attention. 9/7/05</p> <p>- Haybales were staked near#116 to prevent sedimentation. 9/7/05</p> <p>- Most catch basins along Rt. 107 seem to have protection measures in place during the work but they need to be left in place even when work moves past if there is still dried sediment in the roadway. Filter fabric in the grate in appropriate. 9/7/05</p> <p>- The bank cut area at vault #12 had been restored as well as a more recently installed vault in a lawn area. 9/7/05</p>	<p>-None at this time. 9/7/05</p> <p>- Continue to monitor. Add seed here if necessary. Maintain fence in any areas not yet vegetated including vault #13. 9/7/05.</p> <p>- Continue to remain aware of containing mobile slurry and protecting catch basins and inlets. 9/7/05</p> <p>- Continue to mulch and seed as needed and silt fence can be removed from stabilized areas. Stone was also placed into a rut off the edge of the roadway here for stabilization. 9/7/05</p>
<p>Broad Street and Rt. 7, Norwalk</p>	<p>- A soil stockpile from the roadwork is being kept in the ROW. Remove any project related debris and brush from the ROW. 9/1-9/7/05</p> <p>-Bare soil was noted as a result of the vault work on Broad Street and the catch basin here was not protected. 9/7/05</p> <p>- The jacking and receiving pits off Broad St. are well contained and the catch basin here is protected with haybales. 9/7/05</p> <p>-Nightwork on Rt. 7 continues. No issues were noted leftover during the day inspection. 9/7/05</p>	<p>- Place silt fence around the pile if it is to remain for any length of time. 9/1-9/7/05</p> <p>- Perform regular “good housekeeping” to remove leftover materials and clean up the workspace. 9/1-9/7/05</p> <p>- Protect any catch basins or inlets which may receive sediment. 9/7/05</p> <p>- None at this time. 9/7/05</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</p>	<p>- All soils appear to be handled appropriately. 9/7/05</p> <p>- It has been determined that the Redding landfill will use all soils from the roadways in</p>

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	<p>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. 9/7/05</p>	<p>Redding that are considered clean, (based on acceptable RSR levels), as daily cover.</p>
<p>Adjacent Wetlands and Waterways</p>	<p>-Additional controls have been installed at the Redding Yard in an effort to control the concrete washout area. Check dams are placed appropriately to catch discharge from the outlet but need to be elongated. 8/25-9/7/05</p>	<p>- See storage yard section for more information. 9/7/05</p>
<p>Staging, Storage, and Parking Areas</p>	<p>- The concrete storage area for Rt. 7 work near the Merritt Parkway cloverleaf still needs some attention. It has to be confirmed if anything can be done here to better control concrete discharge. 8/19-9/7/05</p> <p>- 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.</p> <p>The end of the outlet check dam for the catch basin appeared to need some maintenance/elongation. 8/25-9/7/05</p> <p>- At the storage area off Rt. 58 near the Putnam Park entrance, a few material containers were left out and the yard could use some cleanup. 9/7/05</p> <p>- The yard at the intersection of Rt. 58 and Sunset Hill Rd had some slight repairs needed to the silt fence where trench covers had pushed it over. 9/7/05</p> <p>- The Redding CC storage area</p>	<p>- This area is used for 115kV and other O&G projects in the area. It still needs to be reinforced and controlled. 8/19-9/7/05</p> <p>- The concrete bin should continue to be emptied regularly to prevent overflow. The outlet check dams should be lengthened slightly or turned up at the end to prevent any flow around them 8/25-9/7/05</p> <p>-Continue to maintain fence and treat it as limits of work and storage. 9/7/05</p> <p>- The repairs were being attended to. Continue to maintain the fence and treat it as a limit of work. 9/7/05</p> <p>- None at this time. 9/7/05</p>

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	has some stone placed to create a better access to the site and limit tracking. 9/7/05	
State species of concern, threatened and endangered species	- No species of concern are located in the areas of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<p>- 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 disturbance. When the areas are mulched and seeded, silt fence can be removed where work will not return. 9/7/05</p> <p>-The ROW and lawns in Bethel Ed. Park are very well restored and on their way to revegetation. Several other areas mentioned were also attended. 9/7/05.</p>	<p>- 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 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. 9/7/05.</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. 7/21-9/7/05</p> <p>-Active dewatering was noted going to a Fleet Environmental truck on Rt. 58 near the vault installation across from Putnam Park Pond. A large volume of water needed to be removed here 9/7/05</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. 7/21-9/7/05 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. 7/21-9/7/05</p>
Blasting	- No blasting is occurring in any areas at this time.	- None at this time.

Areas of Inspection	Observation	Recommended Action
Spills and Material Storage	<ul style="list-style-type: none"> - Better controls were needed at the concrete washout area for Rt. 7 nightwork. This should be investigated and confirmed what improvements can be made. 9/1-9/7/05 - 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 6/15-9/7/05 - A small drip was noted along Rt. 58 at the vault work area on the asphalt. 9/7/05 - In general catch basins, inlets and swales should continue to consistently be protected especially in any area with sawcutting activities. 9/7/05 	<ul style="list-style-type: none"> -Continue to make sure concrete washouts are restricted to designated areas. 9/7/05 - 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. - The contractors should remain vigilant about securing and handling fuel and material containers. - Equipment and materials should not be stored in wooded areas unless it is designated for storage.
Additional Observations		

Next likely scheduled inspection: Thursday, September 15, 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



115 kV (Broad Street): Photo on the left shows the equipment parked too close to the Norwalk River. Machinery should be parked as far from resource areas as feasible. Photo on the right shows some stockpiles in the ROW which should be placed with silt fence at the base. 9/7/05



Photo on the left shows a bare soil area adjacent to a catch basin that is not protected with fabric or haybales. Photo on the right shows the receiving pit for the jack and bore at the railroad crossing. 9/7/05



115 kV (Gallows Hill Road): Photo on the left shows the well restored area near the ROW intersection . Photo on the right shows where haybale check dams were added near #116. 9/7/05



115 kV (Rt. 107): View of a new storage area identified near the Redding Country Club where stone was placed for access. 9/7/05



115kV (Rt. 107): Photo on the left shows a well restored vault area off the roadway. Photo on the right shows where stone was installed to stabilize a rut off the road edge. 9/7/05



115kV (Rt. 107 and 58) Photo on the left shows active trenching in the roadway for conduit installation. Photo on the right shows a vault installation with dewatering across from the pond near Putnam Park. 9/7/05



115kV (Rt 58). Photo on the left shows the storage area near Sunset Hill Road where trench covers were placed and were pushing over the silt fence. Photo on the right shows an example of catch basin protection with fabric. 9/7/05



115kV (Hoyts Hill Transition Structure): Active trenching has returned to the area to lead the conduit up to the caisson/structure. 9/7/05



115kV (Bethel Educational Park): The southern portion of the ROW is very well restored with hydroseed in place and well installed silt fence for the entire length. 9/7/05



Photo on the left shows the well restored northern portion of the ROW with hydroseed and silt fence. Photo on the right shows the grass growth visible in the lawn areas of the school yard. 9/7/05