

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: October 19, 2005

Inspector: Diana Walden

Location: 115 kV Underground Route

Storm/

Rain Event: Significant amounts of rain continued to accumulate from the storm event over the last inspection. An additional 4” fell over 10/13-10/14.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	- Bethel Educational Park: Excavation and trenching were completed before the major rains. 10/19/05	-See erosion control section for specifics. 10/19/05
Hoyts Hill Transition Structure	-No additional work had taken place here but the structure will be installed soon. 10/19/05	- None at this time. 10/19/05
Gallows Hill Road and Rt. 107, Redding	-Installation of conduit was just being completed from Gallows Hill up to the riser transition structure in the ROW. 10/19/05 - Materials remained at the work site near Lois Lane and transition work into the vault was occurring at the Rt 107/58 intersection 10/19/05	-See additional sections for more specific information. 10/19/05
Rt. 58, Bethel	- Crews continue work along Rt. 58, transitioning conduit into vault at the Rt 107 intersection and installing handholes in the vicinity of the Sunoco station. 10/19/05	- See the erosion control and additional sections for more information. 10/19/05
	- The jack and bore under the railroad on Broad St. is ongoing. 10/12-10/19/05 -Some excavation continues near the substation in the ROW 10/12-10/19/05	-Activities were fairly well contained here. 10/12-10/19/05 - Perform restoration measures along Broad St. when feasible. 10/12-10/19/05

Areas of Inspection	Observation	Recommended Action
<p>Broad Street/ROW, Norwalk</p> <p>Rt. 7, Norwalk</p>	<p>- Nightwork continues in several locations along Rt. 7. Continue to monitor potential sediment/catch basin issues. It appeared some sediment was still in the gutters. 10/19/05</p> <p>- Erosion controls were down near the Merritt cloverleaf concrete washout area again. 10/19/05</p> <p>- Trenching from Rt. 7 into Norwalk Junction transition station is near complete with a small stockpile remaining. 10/19/05</p>	<p>- See erosion control section for specific information. 10/19/05</p> <p>-See erosion control and storage sections regarding concrete disposal for this work. 10/19/05</p> <p>- Absorbent booms left behind need to be removed. See erosion control and spill sections for more information. 10/19/05</p>
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</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. 10/19/05</p>	<p>- Continue to be proactive in maintenance as necessary. See below for site-specific issues. 10/19/05</p>
<p>Bethel Educational Park</p>	<p>- The gully noted on the northern part of the ROW has been repaired again and haybales are in place to try to divert flow. 10/19/05</p> <p>-Silt fence was in good shape in all locations. The slope at the southern end of the ROW should be restored with vegetation even as the road surface is retained per the request of the high school. 10/19/05</p>	<p>- Continue to monitor and repair. 10/19/05</p> <p>- Place mulch and seed or less preferable, stone along the slope. 10/19/05</p>
<p>Hoyts Hill Riser Termination Structure (Off Rt. 58)</p>	<p>- Erosion controls are in good shape here and additional work had not occurred. 10/19/05</p>	<p>- Keep all areas of erosion control maintained until the area can be restored. 10/19/05</p>
<p>Route 58</p>	<p>- Most catch basins near the work areas are being consistently placed with either haybales or fabric and are well protected. 10/19/05</p> <p>- Handhole installation work near the Sunoco had put some stress on the silt fence here. 10/19/05</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. 10/19/05</p> <p>- Repair any holes and areas that were pushed over. Restore the edge of roadway with seed/mulch when work is finished. 10/19/05</p>

Areas of Inspection	Observation	Recommended Action
Route 58 continued	- The stream cut and restoration at Sara's Way was extremely successful. The increased flow from the storms has restored the original substrate, pools and channel. 10/19/05	- None at this time. Continue to monitor for complete restoration along the banks. 10/19/05
Gallows Hill Road	- Conduit installed to the ROW was just being completed. This slope will need some kind of restoration. Stone will likely be installed. 10/19/05	- None at this time 10/19/05
Rt. 107 (Lonetown Rd)	<p>- Work will need to return to the state Rts. to bring them to specified grade. As long as no soil or process is stockpiled or excavated along the road. Silt fence can be removed if adjacent areas are restored. 10/19/05</p> <p>- Active work was noted near Lois Lane. The bank cut area here should be restored when work is complete. 10/5-10/19/05</p>	<p>-Monitor road work and make sure no soil is stockpiled. Restore the roadside if equipment causes disturbance during this phase. 10/19/05</p> <p>- None at this time but restore when work is complete. 10/5-10/19/05</p>
Broad Street and ROW, Norwalk	<p>- The silt fence is well installed along most of the ROW including near the substation where excavation was occurring. 10/12-10/19/05</p> <p>- Bare areas are located along the roadway edges as a result of the work. 10/12-10/19/05</p> <p>- The jacking and receiving pits off Broad St. are beginning to be backfilled and remain contained. 10/19/05</p>	<p>-Continue to maintain silt fence if needed. 10/19/05</p> <p>- Restore areas as feasible and within time limits specified by the D&M plan 10/19/05</p> <p>- None at this time. 10/19/05</p>
Rt. 7, Norwalk	-Nightwork on Rt. 7 continues. Continue to monitor issues with sediment from sawcutting muds. Some sediment appeared to remain in the gutters here. 10/19/05	- The vac truck approach is usually a very effective means of handling the muds. Continue to utilize consistently and remove any build up of escaped muds.

Areas of Inspection	Observation	Recommended Action
	<p>-Trenching was complete at Norwalk Junction but a small stockpile remained here to be removed. 10/19/05</p> <p>- Absorbent booms were left behind at the site following clean up of the frac truck release and they should be cleaned up. 10/19/05</p>	<p>-Remove and dispose of the booms appropriately. 10/19/05</p>
Contaminated Soils	<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. 10/19/05</p>	<p>- All soils appear to be handled appropriately. 10/19/05</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>
Adjacent Wetlands and Waterways	<p>-The stream cut near Sara’s Way off Rt. 58 was very successful and the stream is returning to original contours. The increased flow did wash away some of the mulch but no erosion was noted. 10/19/05</p>	<p>- None at this time, the restoration efforts are in very good shape. Continue to monitor for final vegetative stabilization. 10/19/05</p>
Staging, Storage, and Parking Areas	<p>-The controls at the concrete washout near the Merritt cloverleaf had degraded again and plastic liner should still be installed here. 10/12/05</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 additional controls installed at the Redding Yard continue to be effective in retaining the concrete washout water. Heavy flow from the outlet was observed being contained for the most part.</p>	<p>- The contractor was aware of the situation and controls were to be repaired later that day and the plastic liner should be installed. (This washout area is also used for other O&G projects). 10/19/05</p> <p>- None at this time, continue to maintain the controls as needed. 10/19/05</p>

Areas of Inspection	Observation	Recommended Action
	<ul style="list-style-type: none"> - At the storage area off Rt. 58 near the Putnam Park entrance, the silt fence was restored near the process stone stockpile. 10/19/05 - The silt fence at the yard at the intersection of Rt. 58 and Sunset Hill Rd and the Redding CC/Rt. 107 storage areas seem to be in good shape. 10/19/05 	<ul style="list-style-type: none"> - Haybales could be installed as an additional control so close to the pond. 10/19/05 - Continue to maintain fence and treat it as a limit of work. Vehicles should stay within the fenced areas. 10/19/05
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)	<ul style="list-style-type: none"> - Mulching of bare areas is ongoing and should continue and areas should be seeded as necessary. When the areas are mulched and seeded, silt fence can be removed where work will not return. 9/7-10/19/05 - Broad Street could use some restoration if work here is complete for the time being. 10/5-10/19/05. 	<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 mulch or seed within 7-14 days. - Continue to send restoration crews out in time with D&M requirements and seed mulch areas where needed. 10/19/05.
Dewatering	- Almost all dewatering discharge along the route is being directed to frac trucks or tanks due to concerns about the polluted soils. 7/21-10/19/05	- 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. 7/21-10/19/05
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"> - 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 6/15-10/19/05 - In general catch basins, inlets and swales should continue to consistently be protected especially in any area with sawcutting activities. Efforts have been good at this point. 10/19/05 - Absorbent booms were left behind on site and should be removed. 10/19/05 	<ul style="list-style-type: none"> - 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.

Next likely scheduled inspection: Thursday, October 27, 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 and ROW): The photo on the left shows the ROW which was somewhat muddy following the rains but well contained within silt fence. Photo on the right shows excavation ongoing near the substation and structures. (10/19/05)



115kV (Route 7): Photo on the left shows the jack and bore in the process of being backfilled. Photo on the right shows the Merritt cloverleaf concrete washout with controls in disrepair again. Contractors were aware and were going to make repairs including the installation of the plastic liner. (10/19/05)



115kV (Gallows Hill Road). Both photos show the conduit newly installed up to the riser transition structure at the ROW. The slope here will have to be restored either with stone or vegetation when work is complete. (10/19/05)



115kV (Rts 107 and 58). View of the conduit installation transitioning into the vault here. A few transitions remain along the project route. (10/19/05)



115kV: (Rt. 58) Photo on the left shows trench work turning the corner from Rt. 58 to Rt. 107 at Putnam Park.. Photo on the right shows the storage yard with the well repaired silt fence behind the stockpile. Haybales placed here would add another level of controls due to the proximity of the pond. (10/19/05)



115kV: (Rt. 58/Sara's Way). The rain helped re-create the original flow patterns and substrate of the stream. The surrounding area and the stream look very well restored with vegetation returning. The stream cut method here was very successful. 10/19/05



115kV (Rt. 58): More views of the well restored stream channel including up and down stream views from the bridge at Rt. 58. Water was very clear and flowing well after the rains. (10/19/05)



115kV (Bethel Ed. Park): Photo on the left shows the continued attempts to repair the washout area at the northern end of the ROW. The photo on the right shows the southern end of the ROW. Even though the area will be used as a running road as requested by the school, attempt to restore this side slope with vegetation if possible. 10/19/05