

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 15, 2005

Inspector: Don Ukers and Brian Sakidovitch

Location: 115 kV Underground Route

Storm/

Rain Event: The area received a rain event with localized amounts between 0.45” and up to 1.05” as reported by NOAA. Totals may be more or less depending on location.

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 and grass is growing well in many locations. 9/15/05	-See erosion control section for specifics. 9/15/05
Hoyts Hill Transition Structure	- Trenching was completed but drilling was occurring to set anchor points for the structure. 9/15/05	- See erosion control section for site specific information. 9/15/05
Gallows Hill Road and Rt. 107, Redding	-Crews are working in the manholes along Gallows Hill in preparation for pulling cable. 9/7/05 - Several crews continue actively trenching in Rt. 107 including near the Redding Country Club Pond. 9/15/05	- Restoration efforts continue to be noted in locations. See erosion control and additional sections for more specific information. 9/15/05
Rt. 58, Bethel	- Trench/conduit installation was occurring along Rt. 58 in several locations including in the Putnam Park area. 9/15/05 - Site preparation has begun on a stream cut that will take place near Sara’s Way. 9/15/05	- Activities are fairly well contained to the roadway. See the erosion control and additional sections for more information. 9/15/05

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Broad Street/ROW and Rt. 7, Norwalk	- The receiving pit is now in place in a parking lot off Broad St. for the bore activities under the railroad. 9/15/05	-Activities were fairly well contained here. 9/15/05
Broad Street/ROW and Rt. 7, Norwalk	<p>- Work continues along Broad Street near the overpass. Stockpiles are being stored in the ROW. 9/1-9/15/05</p> <p>- Nightwork continues in several locations along Rt. 7. 9/15/05</p>	<p>-Some issues have been addressed here. See additional sections for more details. 9/15/05</p> <p>-See storage sections regarding concrete disposal for this work. 9/15/05</p>
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<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. 9/15/05</p> <p>- Repairs and restoration efforts continue to be made and there are fewer issues each week. 9/15/05</p>	- Continue to be proactive in maintenance as necessary. See below for site-specific issues. 9/15/05
Bethel Educational Park	<p>- All disturbed areas within school lawns continue to show very good grass growth and it is now also occurring in the ROW. 9/15/05</p> <p>- Portions of the southern end of the ROW will remain as an access roadway as requested by the school but the edges have been seeded. 9/15/05</p> <p>- One area along the northern ROW showed a slight erosive gully. Continue to watch this area in particular. 9/7-9/15/05</p>	- None at this time. Continue to monitor for vegetative growth. Conditions are very good here and this portion of the project should be able to be removed from inspection after stabilization is reached. 9/7-9/15/05

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Hoyts Hill Transition Structure (Off Rt. 58)	<p>- Erosion controls are mostly in good shape here. Some foam insulation was left behind here and it should be removed. 9/15/05</p> <p>- The contractor will ask the adjacent homeowner whether they would like their debris pile removed. 9/7-9/15/05</p>	<p>- Keep all areas of erosion control maintained. 9/15/05</p> <p>- The siting council suggested that NU could offer to remove the wood/debris for the owner. 8/25-9/15/05</p>
Route 58	<p>- Most catch basins near the work areas are being consistently placed with either haybales or fabric. 9/15/05</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. 9/15/05</p> <p>-The silt fence at the storage area near Sunset Hill Road had been restored last week but materials have since pushed it over again. Vehicles were also noted parking outside the silt fence and creating a small area of disturbance. 9/15/05</p> <p>- Areas that have been mulched should be seeded and silt fence can then be removed when work will not return here. 9/7-9/15/05</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. 9/15/05</p> <p>- The fence was crushed in one spot and should be repaired. Keep all vehicles within storage areas or install more fence here to accommodate them. 9/15/05</p> <p>- This includes the area north of the Sunoco. 9/15/05</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. preparing to pull cable. 9/15/05</p> <p>-The vault area near Longwood Dr. (#13) was restored with mulch and seed and fence was pulled. 9/15/05</p> <p>- Stone can be added to the pull off area at #116 to stabilize the area further before silt fence is pulled. This area had existing stormwater issues that are not a result of the project. 9/15/05</p> <p>- Most catch basins along Rt. 107 seem to have either haybales or fabric as protection measures in place. 9/15/05</p> <p>- Continue to restore recent vault installation areas as needed. 9/15/05</p>	<p>-None at this time. 9/15/05</p> <p>- Continue to monitor and restore areas where work is complete or maintain fence in any areas not yet restored . 9/15/05.</p> <p>- Continue to remain aware of containing mobile slurry and protecting catch basins and inlets left in place even when work moves past if there is still dried sediment in the roadway. 9/15/05</p> <p>- Continue to mulch and seed as needed and silt fence can be removed from stabilized areas. Stone can be placed as stabilization on the edges of roadways with ruts. 9/15/05</p>
<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 as recommended but some areas may need to be toed in. 9/15/05</p> <p>-Remove any project related debris from the ROW. 9/1-9/15/05</p> <p>-Catch basins were protected with haybales here as recommended. One set was pushed off due to stormwater volumes. 9/15/05</p> <p>- The jacking and receiving pits off Broad St. are well contained. 9/15/05</p> <p>-Nightwork on Rt. 7 continues. No issues were noted leftover during the day inspection. 9/15/05</p>	<p>-Maintain silt fence as needed. 9/15/05</p> <p>- Perform regular “good housekeeping” to remove leftover materials and clean up the workspace. 9/1-9/15/05</p> <p>- Protect any catch basins or inlets which may receive sediment. 9/7/05</p> <p>- Continue to maintain and protect catch basins. 9/15/05</p> <p>- None at this time. 9/15/05</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</p>	<p>- All soils appear to be handled appropriately. 9/15/05</p>

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	<p>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. 9/15/05</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>-Silt fence was installed along the stream near Sara’s Way off Rt. 58 in preparation for the open trench work approved here. The stream will be dewatered in this section sometime in the near future. 9/15/05</p>	<p>- None at this time, follow the plan approved by the ACOE. 9/15/05</p>
<p>Staging, Storage, and Parking Areas</p>	<p>- The concrete storage area for Rt. 7 work near the Merritt Parkway cloverleaf is under discussion and contractors are working to increase controls here. 9/15/05</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>Additional controls have been installed at the Redding Yard in an effort to control the concrete washout area. Check dams were elongated with more silt fence and haybales and effectively trap water discharging from the outlet. 9/15/05</p> <p>- At the storage area off Rt. 58 near the Putnam Park entrance, things were contained but the yard could use some general cleanup. 9/15/05</p> <p>- The yard at the intersection of</p>	<p>- 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. 9/15/05</p> <p>- None at this time. 9/15/05</p> <p>- The concrete bin was observed being actively used and it is emptied of concrete each day. Most of the turbidity seen here is a result of the general town yard. 9/15/05</p> <p>-Continue to maintain fence and treat it as limits of work and storage. 9/15/05</p> <p>- The repairs will be made to the fence. Continue to</p>

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	<p>Rt. 58 and Sunset Hill Rd had repairs made last week but the fence was again pushed over. Some vehicles had also tracked outside of the yard. 9/15/05</p> <p>- The Redding CC storage area had a section of silt fence pushed down. 9/15/05</p>	<p>maintain it and treat it as a limit of work. Vehicles should stay within the fenced areas. 9/15/05</p> <p>-Repair the fence as necessary. 9/15/05</p>
<p>State species of concern, threatened and endangered species</p>	<p>- No species of concern are located in the areas of construction.</p>	<p>- N/A</p>
<p>Vegetative clearing limits (including trees to save or danger trees noted)</p>	<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. 9/7-9/15/05</p> <p>-The ROW and lawns in Bethel Ed. Park are very well restored with new growth. Several other areas mentioned including vault #13 were also well attended and silt fence removed. 9/15/05.</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. 9/15/05.</p>
<p>Dewatering</p>	<p>- Almost all dewatering discharge along the route is being directed to frac trucks or tanks due to concerns about the polluted soils. 7/21-9/15/05</p> <p>-Several tanks for dewatering are being stored at the Putnam Park storage area. 9/15/05</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. 7/21-9/15/05</p> <p>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. 7/21-9/15/05</p>
<p>Blasting</p>	<p>- No blasting is occurring in any areas at this time.</p>	<p>- None at this time.</p>

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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 6/15-9/15/05</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. 9/15/05</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, September 21, 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 and Brian Sakidovitch



115 kV (Broad Street): Photo on the left shows silt fence installed at the base of the stockpile as recommended, but it does not appear to be toed in. Photo on the right shows protection measures placed on the catch basins as recommended. 9/15/05



Photo on the left shows the receiving pit for the jack and bore of the railroad crossing. Photo on the right shows protection measures on the catch basins. 9/15/05



115 kV (Gallows Hill Road): Photo on the left shows some silt fence repair needed at the storage area. If the area is to no longer be used, it can be restored. Photo on the right shows the mulched vault area near Longwood Drive with silt fence removed. 9/15/05



115 kV (Rt. 107): View of a the storage area near the Redding Country Club where some silt fence repair is required. 9/15/05



115kV (Rt. 58): Photo on the left shows some trenching along Rt. 58 near Jacob's Ladder Rd. Photo on the right shows the storage area near Sunset Hill Rd. where materials were placed on the silt fence again. 9/15/05



Photo shows erosion controls in place in preparation for the open cut stream crossing near Sara's Way. Work was not taking place at the time of inspection and is scheduled for next week 9/15/05



115kV: Photo on the left shows drilling for the anchors of the caisson at Hoyts Hill Transition structure. Photo on the right shows some of the new vegetative growth observed at the Bethel Educational Park ROW. 9/15/05



115kV (Redding Town Yard): Additional efforts have been made as requested to extend the check dams at the outlet. Water was pooling here following the recent rain. 9/15/05