

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: March 23-24, 2005

Inspector: Don Ukers

Location: 345kV XLPE Component

Storm/

Rain Event: Only a trace of precipitation was recorded since the previous inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action	Corrective Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> -The jack and bore of East Swamp Brook is accessed from the roadway. 2/16-3/24/06. - Slight tracking was present on the roadway on Whittlesey and Rt. 58. 3/24/06 - Trenching continues along the roadway in the Bethel Ed. Park complex. 3/2-3/24/06 - Most catch basins adjacent to the work were placed with controls (filter fabric) as recommended. One was noted downgradient from the active work which should also be covered. 3/24/06 - A few stone piles remain to be removed from the Plumtree Substation access drive. 3/15-3/24/06 -The stone and mat 	<ul style="list-style-type: none"> - Equipment is located on both sides of the bore as well as in the adjacent ball park. 3/24/06. -Street sweeping is being performed regularly. Continue to monitor. 3/24/06 - Continue to monitor. 3/2-3/16/06 -Place controls on CBs that could receive sediment from the project, even if they are not immediately adjacent. 3/24/06 - See erosion control section for recommendations. -Mats and stone will be 	<ul style="list-style-type: none"> - N/A -Street sweeping will be done at the end of the day. - N/A - The CBs immediately adjacent to the work had controls.

Areas of Inspection	Observation	Recommended Action	Corrective Action
	access off Rt. 58 is in good shape. Watch placement of materials such as trench boxes in the adjacent wetlands. 3/24/06	removed at the end of work here. See other sections for more information. 3/24/06	
Trench and foundation construction	<ul style="list-style-type: none"> - Actual excavation for the jack and bore of East Swamp Brook located at the intersection of Plumtrees Rd. Walnut Hill Rd. and Whittlesey Dr. is ongoing. Sheet piling/shoring is in place on both sides of the intersection. 2/2-3/24/06 - The jacking pad is being graded to allow for a frac tank on site. 3/24/06 	<ul style="list-style-type: none"> - The area remains well contained at this time. 3/24/06 -None at this time. 3/24/06 	<ul style="list-style-type: none"> -N/A - N/A
	<ul style="list-style-type: none"> - Trenching continues along Whittlesey Dr.in several locations, including near the entrance to the Bethel Ed. Park. 3/24/06 - Trenching continues from the retaining wall at Hoyts Hill transition station. 3/24/06 	<ul style="list-style-type: none"> - None at this time. There are limited resource areas in the vicinity of the work. 3/24/06 -See erosion control and dewatering section for more detail and recommendations. 3/24/06 	<ul style="list-style-type: none"> -N/A
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p> <p>Plumtree Substation Drive</p>	<ul style="list-style-type: none"> -Several stone piles remain along the access drive to Plumtree Substation and are adjacent to wetland swales. 3/2-3/24/06 - Use of the dewatering box is complete and a good amount of soil was filtered. This will be disposed of properly. Removal of the box caused some minor disturbance to the wetland swale. 3/15-3/24/06 	<ul style="list-style-type: none"> - Now that work is complete, remove remaining stone from swales and driveway. 3/2-3/24/06 -The small disturbed area within the swale should be regraded and restored. 3/15-3/24/06 	

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<p>Jack and Bore</p> <p>Whittlesey Drive</p> <p>Hoyts Hill</p>	<p>- Silt fence at vault 2A&B was well in place but several piles of stone remain placed over it as a result of plowing. 3/2-3/24/06</p> <p>-A plastic liner remains installed in the stream bed and up the banks. Stone was installed over it within the stream and soil was placed to secure it on the banks. 2/16-3/24/06</p> <p>- Most catch basins near the work were protected. One CB located downgradient was noted without controls. 3/24/06</p> <p>-Mats are well in place and trenching continues. Some materials such as trench boxes were placed in the wetlands adjacent to the mats. 3/24/06</p> <p>- Dewatering is still necessary and a hole in the filter bag was allowing some turbid water to escape around the patch placed in the silt fence. 3/24/06</p>	<p>- Stone piles should be placed back on the work side of the fence as soon as feasible. One of the piles can remain as work is coming through that area. 3/15-3/24/06</p> <p>-Silt fence was still in place above the liner but continue to monitor the disturbed area below for sedimentation. The stream was running clear at the time. 3/24/06</p> <p>-Check CBs that are downgradient from work as well as those immediately adjacent. 3/24/06</p> <p>- Watch placement of materials and avoid storage in wetlands. 3/24/06</p> <p>-The filter bag should be replaced or repaired and the silt fence will need further maintenance. 3/24/06</p>	<p>- N/A at this time</p> <p>-Most CBs were protected as recommended.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>-East Swamp Brook crosses under Plumtrees Rd. A large plastic liner is in place across the bed and up along the banks to keep water out of the bore trench. Stone was installed over the liner to create a temporary natural bed. 2/16-3/24/06</p> <p>- A minor area of wet swale was disturbed removing the dewatering box at the Plumtree</p>	<p>- The stream continues to run clear. Be sure to remove the liner and restore the natural bed when work is complete. Watch the banks where soil was disturbed for any erosion. 2/16-3/24/06</p> <p>- Contractors will be providing some minor restoration here. 3/15-3/24/06</p>	<p>-N/A at this time</p>

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Inland Wetland and Watercourse continued	access drive. 3/15-3/24/06 - The dewatering at Hoyts Hill led to turbid water escaping through the controls and into the wetland. Water remained slightly turbid by the time it reached the stream at Rt. 58. 3/24/06	- See erosion control section for more details. 3/24/06	
State species of concern, threatened and endangered species	-The D&M plan and clearance letter states that state-listed species are not located in this work area.	- N/A	-N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-Most work on this project remains in the roadway, access drives or maintained lawn areas. 3/24/06	-Restore lawn and vegetation as necessary when work is complete during the growing season. This is needed especially where vaults were installed. 3/2-3/24/06	-N/A until work is complete.
Dewatering	-Dewatering of clear water continues from the well points at the jack and bore. However, tests showed the water to have a high pH. 3/24/06 - Dewatering at Hoyts Hill continues. The controls showed a need for repair or replacement here as turbid water was escaping to the wetland. 3/24/06	- An agreement with the town allows the water to be collected, the pH lowered and the water is disposed of through the municipal system. 3/24/06 -See wetland and erosion control section for details. 3/24/06	-N/A
Blasting	- No blasting is occurring at this work area.	- None at this time.	-N/A
Soils	- Some soil is stockpiled along the active roadway shoulder trenching but will be returned as backfill. 3/15-3/24/06 - Topsoil was stripped and stockpiled at the contractor yard. 3/15-	- None at this time. 3/15-3/24/06 - None at this time. Controls are well installed here. 3/15-3/24/06	- N/A -N/A

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	3/24/06		
Spills and Material Storage Areas	<ul style="list-style-type: none"> - Equipment should be stored overnight up to 100ft or as far from resource areas where practicable. 1/19-3/24/06 - A small drip was noted under the Ackerman parked at the ball park. 3/24/06 	<ul style="list-style-type: none"> - Report spills immediately, even if they are being controlled. - Any fuels and agents not in use should be covered and stored before leaving for the day. - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. 	<ul style="list-style-type: none"> - A pad was placed under the machine immediately.

Next likely scheduled inspection:

Wednesday, March 29, 2006

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



345kV XLPE (Jack and Bore): Overall view of the jacking pad. Work remains contained to the pad. 3/24/06



Photo shows the receiving area which also remains contained at this time. 3/24/06



(Whittlesey Drive): Both photos show views of the active trenching in various stages of construction along Whittlesey Drive. Photo on the right shows sawcutting 3/24/06

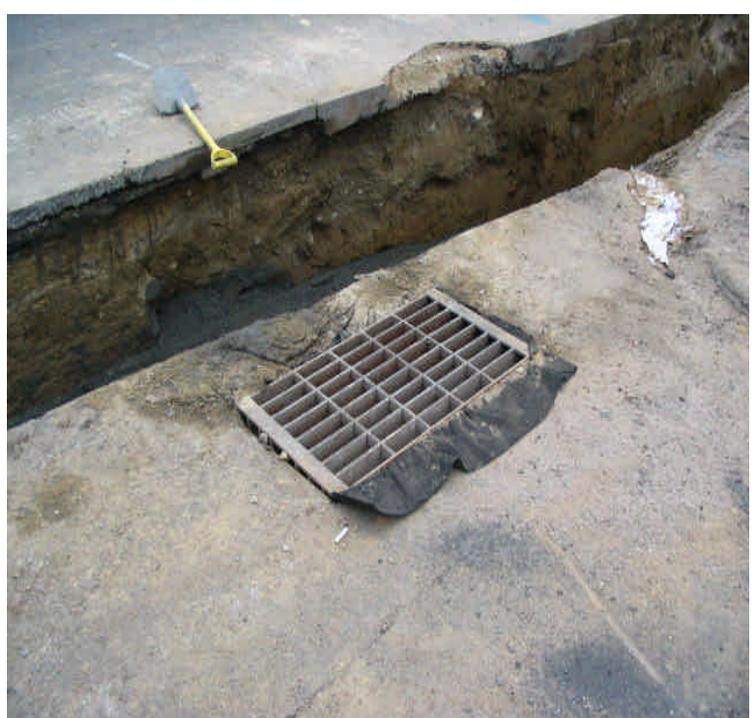


Photo on the left shows a catch basin which is not immediately adjacent to the active work but is downgradient and near disturbed soil which should be placed with controls. Photo on the right shows efforts to use controls on catch basins next to the work. 3/24/06



(Hoyts Hill): Photo on the left shows the access and mats into the Hoyts Hill station area. Trenching continues in this area. Watch placement of materials (such as trench boxes) off the mats and in the wetland. Photo on the right shows water from dewatering the trench after leaving the filter bag. 3/24/06



These photos were taken later that day (3/24/06). Photo on the left shows the dewatering discharge becoming increasingly turbid due to a hole in the filter bag. Photo on the right shows water remaining slightly turbid by the time it reached the culvert at the roadway (right side).