

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: February 9, 2006

Inspector: Don Ukers

Location: Transition Stations: Hoyts Hill, Archers Lane, Norwalk Junction

Storm/

Rain Event: Approximately 1.37" of precipitation fell, mostly in the form of rain between 2/3-2/5 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<p>- Hoyts Hill: Access is gained off Hoyts Hill Road. Increasing ruts and sedimentation are visible once again at the access point in the stone 1/19-2/9/06. -Crews were accessing the site in order to deliver materials here. 2/9/06.</p> <p>-Archers Lane: Conditions were somewhat muddy and water levels remained fairly constant to the last site visit at the wetland crossings on the access road to the ROW. 2/9/06. - The silt fence along the access in from Diamond Hill Rd is partially down. 2/2-2/9/06</p> <p>- Norwalk Junction: Sediment tracking did not appear to be an issue at this time. 2/9/06.</p>	<p>- Ruts should be smoothed out and additional stone installed along this portion to prevent further erosion and sedimentation. 12/30-2/9/06. - Additional haybales were installed and will have to be monitored for effectiveness. 1/26-2/9/06</p> <p>-Sediment accumulation in the wetlands will have to be addressed. 2/2-2/9/06.</p> <p>- The stone wall and natural barriers here appear to keep any sediment from the wetlands along the drive. 2/2-2/9/06</p> <p>-Continue to monitor Rt. 7 at the main access pad. 2/9/06.</p>
Foundation construction	<p>- Materials and structures were in place at the Hoyts Hill station yard for future installation. 1/19-2/9/06. - More materials were being</p>	<p>-The station pad itself is in good shape but the adjacent areas need some attention. 1/19-2/9/06.</p>

Areas of Inspection	Observation	Recommended Action
<p>Foundation construction continued</p>	<p>delivered. 2/9/06</p> <p>- Additional work may be necessary on the outlet/dissipater pads as erosive gullies and sedimentation continue to worsen. 12/01-2/9/06.</p> <p>-At Archers Lane, several caissons were being installed and some dewatering was necessary to the stone drain swale along the edge of the pad. 2/9/06</p> <p>-At Norwalk Junction: Several steel structures had been constructed while other foundations remain under plastic covering. Soil remained stockpiled as it was still too wet to be removed from site at this time. 2/9/06</p>	<p>-The stone may need to be extended based on the noted erosion issues. See erosion control section. 12/01-2/9/06.</p> <p>-None at this time. 345kV crews will be returning soon to trench to the station. 2/9/06</p> <p>- None at this time. 2/9/06</p> <p>- See erosion control section for more information. 2/9/06.</p>
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p>	<p>-Hoyts Hill: The majority of the perimeter silt fence remains in good condition but sedimentation has finally overwhelmed the fence in the spot previously noted. Sedimentation continued to build through the fence and in the wetland.1/19-2/9/06</p> <p>- The erosive gullies are worsening on both the northern and southern slopes resulting in increasing sediment deposits along the silt fence. 10/27-2/9/06.</p> <p>-Less severe erosion was noted along the face of the southern silt fence. 1/26-2/9/06</p> <p>- Archers Lane: The silt fence along the access road to the ROW is well in place but</p>	<p>- Repair or install additional controls in the spot which washed through. More importantly- control the source of sedimentation (gullies) 1/19-2/9/06</p> <p>- Gullies should be repaired and a stronger method of stabilization, such as erosion control mats should be considered. 10/27-2/9/06</p> <p>-Investigate whether extension of the outlet stone pad would help the situation and restore the erosion caused here. 10/27-2/9/06</p> <p>- The receding water levels have allowed a better view of the sediment accumulation in the wetlands.</p>

Areas of Inspection	Observation	Recommended Action
<p>Erosion and Sediment Controls continued</p>	<p>sedimentation was resulting in the 1st wetland crossing to varying degrees from a fine layer over the leaf litter to several inches of accumulation. 1/26-2/9/06</p> <p>-The drainage pipe from the station is directing dewatering discharge to the stone swale that empties at the silt fence near the 2nd wetland crossing. Haybales have been placed in the swale as recommended but past run-off has resulted in sediment accumulation here. 2/9/06</p> <p>- Norwalk Junction: Haybales remain along the perimeter fence on site as an additional control. The silt fence remained adjacent to the river but needs to be toed-in in some locations. 1/26-2/9/06.</p> <p>-The cleared/disturbed area noted outside the silt fence adjacent to the river, remain partially flooded with pooled, turbid water. 12/30-2/9/06</p> <p>- Erosive gullies/soil slumping remain in a number of locations along a portion of the drainage swale due to site run-off, resulting in further sedimentation to the swale. 12/30-2/9/06. Haybales remained in the inlets. 2/2-2/9/06</p> <p>- The front of the site and upper portion of the swale remains very well restored with erosion matting and thick straw mulch. 1/12-2/9/06</p> <p>- Soil remains contained on site although efforts are being made to remove it. 2/9/06</p>	<p>- Any easily accessible deposits of sediment will need to be removed. Fine layers of silt can remain. 1/26-2/9/06</p> <p>- Current use is going well but sediment will need to be carefully removed from this area as well. 1/26-2/9/06</p> <p>- The haybales appear to be working well, keeping mud and soil from the site from reaching the silt fence. 1/26-2/9/06</p> <p>This area receives direct runoff from the site through the swale making water quality important. The adjacent site is disturbed resulting in this turbidity. 1/19-2/9/06</p> <p>- The erosion control matting on the swale likely needs to be extended up and over the top of slope to prevent further erosion until the growing season. 12/30-2/9/06</p> <p>- Similar restoration needs to continue in other disturbed areas and along the washouts on the lower swale. This will help reduce run-off and turbidity to the wetland. 1/12-2/9/06</p> <p>- Soil was too wet at this time to transport. 2/9/06</p>

Areas of Inspection	Observation	Recommended Action
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>- Hoyts Hill: As part of the transition station, a small area of wetland was cleared and altered. The outer silt fence is still up as a work limit. 12/8/05 -2/9/06. Sedimentation continues to flush through the fence at this time and accumulate in a small area of the wetland beyond. Sedimentation also continues to accumulate in the wetland on the work side of the fence. 1/19-2/9/06</p> <p>- Clearing also continues as part of the 345kV XLPE work to connect to the transition station. 2/9/06</p> <p>-Archers Lane: Watch run-off velocity down the completed slopes and walls. Pick up deposited sediment adjacent to and in the wetlands at the ROW access road crossings. 1/26-2/9/06</p> <p>- Norwalk Junction: Flooding may be an issue during extended periods of rain. 11/23/05- 2/9/06</p> <p>- The outlet of the drainage swale is at the headwall of the wetland area. Turbidity issues continue to be noted here in the wetlands but have not had a significant impact on the river. 12/30-2/9/06.</p>	<p>-In general, keep all equipment and materials out of wetlands not to be disturbed. 11/10-1/26/06</p> <p>- The fence needs repair and additional controls in this spot. Pull back sediment where feasible. Control the sediment at its source- (the gullies). 1/19-2/9/06</p> <p>- See that report for more details. 2/9/06</p> <p>-See erosion control section for details on the turbidity issues which appear to be a result of work on site as well as the access road in the ROW 1/19-2/9/06</p> <p>-Since silt fence has been washed over before, consider reinforcing with wire fence as well. Although haybales are helping to keep the site contained.2/9/06</p> <p>-See Erosion Control Section for more details. Reduce turbidity by controlling its source- disturbed surfaces on site. 12/30-2/9/06</p>
<p>State species of concern, threatened and endangered species</p>	<p>- No species of concern are located in these areas of construction.</p>	<p>- N/A</p>
<p>Vegetative clearing limits (including trees to save or danger trees noted)</p>	<p>-Hoyts Hill: The slopes and areas surrounding the site had begun to experience noticeable increase in growth before the cold weather but erosion issues continue and will need</p>	<p>- It will be difficult to obtain sufficient growth due to the late time of year. An alternative method of stabilization, such as Erosion Control Mats should be</p>

Areas of Inspection	Observation	Recommended Action
	<p>attention. 11/17-2/9/06</p> <ul style="list-style-type: none"> - Clearing continues adjacent to the site for the 345kV XLPE portion of the project. 2/9/06 - Archers Lane: no additional clearing was noted here. 2/9/06 - Norwalk Junction: The area that had been cleared outside the silt fence (11/23) now has pooled turbid water. 12/30-2/9/06 	<p>considered. 11/02-2/9/06</p> <ul style="list-style-type: none"> - Contractors have good erosion controls in place and are aware of the wetland status of the area. 2/9/06 -None at this time. 2/9/06 - This area was not restored or enclosed in silt fence but is now partially flooded. 2/9/06
Dewatering	<ul style="list-style-type: none"> -Dewatering was not necessary yet at Hoyts Hill but erosion resulting from the outlet pipes and slope run-off continues. 2/9/06 - Some dewatering had been necessary at Archers Lane for some of the caisson excavations. Haybales had been installed as recommended. 2/9/06 - Foundation excavation at Norwalk Junction has created the need for some dewatering. The contractors are setting up dewatering pits as they work 1/12-2/9/06 	<ul style="list-style-type: none"> -See erosion control section. 2/9/06 - Water is directed to a stone swale which infiltrates to a drainage pipe under the access road. Water levels in the wetlands appeared to remain consistent with the previous visit, even with the dewatering. 2/9/06 - If future excavation reaches the extent of water encountered by the vaults, dewatering will need at least as many controls as what was used by 345kV contractors. 1/12-2/9/06
Blasting	<ul style="list-style-type: none"> - All blasting is complete at this time. 2/9/06 	<ul style="list-style-type: none"> - None at this time.

Areas of Inspection	Observation	Recommended Action
Spills and Material Storage	<p>- The resinous material noted in the dirt at Norwalk Junction last week had been removed. 2/9/06</p> <p>- Extraneous soil remains stockpiled at Norwalk Junction as it was still too wet to move at this time. It remains contained on site. 2/2-2/9/06</p>	<p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site</p> <p>- Report spills immediately, even if they are being controlled.</p> <p>- Take care not to get carried away and to be vigilant when refueling. Avoid refueling in the areas near the wetlands. See proper storage for all materials.</p>
Additional Observations		

Next likely scheduled inspection: Thursday, February 16, 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