

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: December 22, 2005

Inspector: Lee Curtis

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

Storm/

Rain Event: Approximately 1.05" of precipitation fell mostly in the form of rain on 12/16 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. Ruts and erosion were previously noted beyond the placed stone at the access point due to traffic out of the station. 12/01-12/22/05.</p> <p>-Archers Lane: -Grading work was occurring along the access road to the site where a vault had been installed recently. 12/22/05.</p> <p>- Norwalk Junction: Sediment tracking was not noted from the gravel pad of the access drive. 12/22/05.</p>	<p>-The area is now snow covered. It should be confirmed that ruts were smoothed out and additional stone was installed along this portion. Haybales were installed here. 12/22/05.</p> <p>- None at this time.12/22/05.</p> <p>-Continue to monitor sediment tracking issues and sweep streets if necessary. 12/22/05.</p>
Foundation construction	<p>- The Hoyts Hill station yard has been backfilled and brought to grade. Final grades are not complete along the wetland edge due to future work here. 11/17-12/22/05.</p> <p>- Additional work may be necessary on the outlet/dissipater pads as erosive gullies continue and have even established through the snow cover. 12/01-</p>	<p>-None at this time. 12/22/05.</p> <p>-The pads may need to be extended based on the noted erosion issues. See erosion control section. 12/01-12/22/05.</p>

Areas of Inspection	Observation	Recommended Action
<p>Foundation construction continued</p>	<p>12/22/05.</p> <p>-At Archers Lane, the retaining walls were under construction at this time. The vault in the access road has been installed by 345kV contractors. 12/22/05.</p> <p>- Earthwork and foundation work was ongoing in the station yard and large soil and stone stockpiles remain. 12/22/05</p> <p>-At Norwalk Junction, the perimeter chain link fence has been staked out and is being installed. 12/22/05.</p>	<p>-None at this time. 12/14/05</p> <p>-None at this time. 12/22/05</p> <p>- See erosion control section for more information 12/22/05</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 and water was seen running clear through the barrier although a small amount of sedimentation was noted. 12/22/05.</p> <p>- The erosive gullies on the southern slope continued to establish, even through the snow cover. Sedimentation was present within it. 12/22/05.</p> <p>- The gullies have been present on both slopes since 10/27 and have caused sediment to deposit all along the base of slope prior to the snow. 10/27-12/14/05. Haybales were installed at the top of slope, not at the outlet as we expected. 12/14/05</p> <p>- Archers Lane: Monitor stormwater run-off velocity off the engineered slope. This area is steep and water used to collect at the base at the silt fence. A small amount of</p>	<p>- Continue to monitor the area and be proactive in maintenance of the erosion controls, especially in areas with wetland immediately adjacent. 12/22/05.</p> <p>- Gullies should be repaired and a stronger method of stabilization, such as erosion control mats, should be considered. 10/27-12/22/05.</p> <p>-Investigate whether extension of the outlet stone pad would help the situation and restore the erosion caused here. 10/27-12/22/05.</p> <p>- Continue to monitor this area, especially after significant rain events. This is where sediment had previously collected. 12/22/05.</p>

Areas of Inspection	Observation	Recommended Action
	<p>snow/sediment was pushed over the perimeter silt fence along the access road. 12/22/05.</p>	
<p>Erosion and Sediment Controls continued</p>	<p>- Norwalk Junction: Some snow was plowed up and over the perimeter silt fence adjacent to the Norwalk River apparently due to the 115kV portion of the work. 12/14/05 However, the majority of the perimeter silt fence is now either down or un-toed. 12/22/05</p> <p>-The cleared/disturbed soils noted outside the silt fence adjacent to the wetland are still present. 12/8-12/22/05</p> <p>- Although the drain swale is complete and in good shape, surrounding soil is disturbed. 12/14-12/22/05</p>	<p>-Work with the 115kV contractor to determine responsibility for their portions and to pull back snow piles. However, the entire barrier needs repair as soon as feasible. If silt fence can't be toed in, consider haybales or berms. 12/22/05</p> <p>- This disturbed area adjacent to the river should be mulched or erosion controls should be extended to encompass. 12/1-12/22/05.</p> <p>- Watch for any soil migration towards the drainage swale. Place a haybale either at the inlet or outlet until the surrounding area is stabilized. 12/14-12/22/05.</p>
<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. Sediment is accumulating along the fence from the erosion but water was noted running clear through the fence in this area. 12/8/05-12/22/05.</p> <p>-Archers Lane: No immediate wetland area concerns were noted. Watch run-off velocity down the completed slopes and walls. 12/22/05.</p> <p>- Norwalk Junction: The majority of the perimeter erosion controls along the Norwalk River are in need of</p>	<p>-Continue to monitor. In general, keep all equipment and materials out of wetlands not to be disturbed and keep controls in good repair. Work is still proposed through here to connect with the underground facilities. 11/10-12/22/05.</p> <p>-None at this time. 12/22/05.</p> <p>- Maintain perimeter controls through coordination by the 115kv or transition contractors and extend to encompass the cleared area or restore it.</p>

Areas of Inspection	Observation	Recommended Action
	<p>repair, partly due to snow plowing issues and partly due to wear.</p> <ul style="list-style-type: none"> - Flooding may be an issue during extended periods of rain. 11/23/05- 12/22/05. - The outlet of the drainage pipe is at the headwall of the wetland area. Riprap is in place. 12/8-12/22/05 	<p>12/22/05.</p> <ul style="list-style-type: none"> - Continue to stay within the permitted work. None at this time. 12/22/05.
<p>State species of concern, threatened and endangered species</p>	<ul style="list-style-type: none"> - No species of concern are located in these areas of construction. 	<ul style="list-style-type: none"> - N/A
<p>Vegetative clearing limits (including trees to save or danger trees noted)</p>	<ul style="list-style-type: none"> - 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 attention. 11/17-12/22/05. - Archers Lane: No new clearing was noted during this inspection. 12/22/05. - Norwalk Junction: Brush piles had been removed along the wetland/ silt fence line but it appears additional vegetation had been cleared in the area, leaving disturbed soil outside the silt fence. 11/23-12/22/05. 	<ul style="list-style-type: none"> - 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 considered if necessary. 11/02-12/22/05. -None at this time. 12/22/05. - This area was not restored or enclosed in silt fence. This should be done. 11/23-12/22/05.
<p>Dewatering</p>	<ul style="list-style-type: none"> -Dewatering was not necessary at Hoyts Hill but erosion resulting from the outlet pipes and slope run-off continues. 12/22/05. - No dewatering has been observed at Archers Lane. 12/22/05. - Dewatering has not been observed at Norwalk Junction, however floodwater comes onto the site on a fairly regular basis. 12/22/05. 	<ul style="list-style-type: none"> -See erosion control section. 12/22/05. - None at this time. 12/22/05 - None at this time. 12/22/05

Areas of Inspection	Observation	Recommended Action
Blasting	- All blasting is complete at Archers Lane. 12/22/05.	- None at this time.
Spills and Material Storage	-A small spill spot was noted under an excavator at Norwalk Junction, likely as a result of over- fueling. The soil should be picked up. 12/22/05.	<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 - Report spills immediately, even if they are being controlled. - Take care not to get carried away and to be vigilant when refueling. Avoid refueling in the areas near the wetlands. Se proper storage for all materials.
Additional Observations		

Next likely scheduled inspection:

Friday, December 30, 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 Lee Curtis



Hoyts Hill Transition Station: Both photos show views of the gullies establishing even through the snow cover on the southern side of the site. Sedimentation along the gully is resulting. 12/22/05



Both photos are of a spot along the perimeter fence where clear water is running through to the wetlands at this time but some minor sedimentation had previously occurred. 12/22/05.



Archers Lane: both photos show the ongoing earthwork and construction of retaining walls on site. Photo on the right shows some of the resulting stockpiles. 12/22/05.



Overview of the site and the progress being made on the retaining walls and foundations. 12/22/05.



Photo on the left shows regarding of the access drive into site where a vault has recently been installed. Photo on the right shows the access road past the site where it splits towards the ROW and towards the station. 12/22/05



Norwalk Junction: Overall view of the site and the recent progress on the station work. The perimeter chain link fence has been staked out and is being installed. 12/22/05



Views of the perimeter silt fence which is down in most areas along the river. Some is attributable to snow plowing but other areas have come down or come un-toed over time. The controls need repair as soon as possible due to the proximity of the river. If the ground is too frozen for digging, haybales or berms should be used. 12/22/05



Photo on the left shows the completed drainage swale along the access road. Photo on the right shows where a small leak, likely due to over-fueling occurred under a small excavator on site. 12/22/05