

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 1, 2005

Inspector: Don Ukers and Brian Sakidovitch

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

Storm/

Rain Event: Approximately 0.88- 1.49” of rain fell over 11/29-11/30 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 noted beyond the placed stone at the access point 12/01/05.</p> <p>-Archers Lane: - The majority of the boulders and stone on site have been removed and this continues along the upgradient access road. The access road was somewhat muddy. 12/01/05.</p> <p>-Sediment tracking has been noted on Diamond Hill Rd. due to all the traffic, but street sweeping was occurring during the inspection. 12/01/05.</p> <p>- Norwalk Junction: A gravel access road is in place off of Route 7. Sediment tracking was not noted. 12/01/05.</p> <p>- Trenching was occurring along the access road in preparation for installing the new drainage pipe. 12/1/05</p>	<p>-Smooth out ruts and install additional stone along this portion. Large boulders could also be installed here to designate boundaries. 12/01/05.</p> <p>- None at this time.12/01/05.</p> <p>- Street sweeping will need to continue on a regular basis. 12/01/05</p> <p>-Continue to monitor sediment tracking issues and sweep streets if necessary. 12/01/05.</p> <p>- None at this time. 12/01/05</p>
Foundation construction	<p>- The Hoyts Hill station yard has been backfilled and brought to grade. Final grades are not complete along the</p>	<p>-None at this time. 12/01/05.</p>

Areas of Inspection	Observation	Recommended Action
<p>Foundation construction continued</p>	<p>wetland edge due to future work here. 11/17-12/01/05.</p> <p>- Additional work may be necessary on the outlet/dissipater pads as erosive gullies continue and appear to have worsened. 12/01/05.</p> <p>-At Archers Lane boulders and stone continue to be removed and excavation and earthwork is ongoing. Most stone has been removed from site. The footings for the foundation were being staked at the time of inspection. 12/01/05.</p> <p>- Drilling for the foundation of a structure has been noted adjacent to the yard. 11/17-12/01/05</p> <p>-At Norwalk Junction, trenching was occurring for the installation of a new pipe extending from the road culvert. The pipe had not yet been delivered at the time of inspection. The remaining portion of the outlet pipe was protected by erosion controls. 12/01/05.</p>	<p>-The pads may need to be extended based on the noted erosion issues. See erosion control section. 12/01/05.</p> <p>-None at this time. 12/01/05</p> <p>- None at this time. 11/17-12/01/05</p> <p>- See additional sections for more information. 12/01/05.</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. 12/01/05. A small amount of sediment has filtered through the fence as of a few weeks ago-continue to monitor. 12/01/05.</p> <p>- Although the slopes have experienced some observable grass growth (11/17/05) erosive gullies appeared to have worsened. 12/01/05 - The gullies have caused sediment to deposit all along</p>	<p>- Continue to monitor the area and be proactive in maintenance of the erosion controls, especially in areas with wetland immediately adjacent. 12/01/05.</p> <p>- Gullies should be repaired and a stronger method of stabilization, such as erosion control mats, should be considered if the grass cannot stabilize before the ground freezes. Grades along the wetland are not yet final as work to connect to the street</p>

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls continued	<p>the base of slope. 10/27-12/01/05.</p> <p>-Large erosive gullies were noted extending from the outlet pipes and dissipater pads. It may be necessary to extend the pads since they are not reducing velocity appropriately. 11/02-12/01/05.</p> <p>- Archers Lane: The silt fence corner at the base of the access road slope was still intact but some sediment had accumulated. 10/12/05-12/01/05.</p>	<p>work is still proposed. 12/01/05.</p> <p>-Investigate whether extension of the stone pad would help the situation and restore the erosion caused here. 12/01/05.</p> <p>- Continue to monitor this area, especially after significant rain events. Sediment may need to be pulled away after the rains and repairs may be necessary. 12/01/05.</p>
	<p>- Norwalk Junction: The perimeter erosion controls seem mostly in place around the edge of the disturbed site. 12/01/05.</p> <p>-We need to confirm whether the cleared/disturbed soils noted outside the silt fence adjacent to the wetland are still present. 12/01/05</p> <p>- The remaining outlet pipe was protected by erosion controls. 12/01/05</p>	<p>-Maintain erosion controls as long as there is disturbed soil/work on site, especially due to the proximity of the river and wetlands. 12/01/05</p> <p>- This newly disturbed area adjacent to the river should be mulched or erosion controls should be extended to encompass it if not already done. 12/01/05.</p> <p>-Monitor and maintain erosion controls at the outlet pipe, including when the new portion is installed. 12/01/05.</p>
Inland Wetland and Watercourse encroachment and mitigation	<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, the internal area was hydroseeded, and grass growth is starting. Sediment is accumulating along the fence from the erosion. 11/10-12/01/05.</p> <p>-Archers Lane: The low spot in fence should be monitored although wetlands didn't appear to be immediately</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. 11/10-12/01/05.</p> <p>- Continue to maintain silt fence as needed. 12/01/05.</p>

Areas of Inspection	Observation	Recommended Action
	<p>adjacent. 10/19-12/01/05.</p> <p>- Norwalk Junction: Wetlands associated with the Norwalk River are located immediately adjacent to the site but the standing water here appeared to be clear with erosion controls well installed. The exception is the bare area noted. Flooding may be an issue during extended periods of rain. 11/23/05- 12/01/05.</p>	<p>- Maintain perimeter controls during transition station work and extend to encompass the cleared area or restore it. 12/01/05.</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 attention. 11/17-12/01/05.</p> <p>- Archers Lane: Work continues in the previously cleared areas however some additional clearing had occurred near the intersection with the ROW as part of that work for the recently approved access road. 11/02-12/01/05.</p> <p>-Additional clearing was noted along the access drive adjacent to a residence. Clearing was done with owner's permission. 12/01/05.</p> <p>- Norwalk Junction: Clearing appears to be complete along the footprint of the station. Brush piles were 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. 11/23-12/01/05.</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 considered if necessary. 11/02-12/01/05.</p> <p>-None at this time. 12/01/05.</p> <p>- Attempt to preserve the existing vegetation and continue saving trees where possible, if trimming is sufficient. 12/01/05.</p> <p>- Confirm whether this area was restored or enclosed in silt fence. 12/01/05</p>

Areas of Inspection	Observation	Recommended Action
Dewatering	<p>-Dewatering was not necessary at Hoyts Hill but erosion resulting from the outlet pipes and slope run-off is worsening. 12/01/05.</p> <p>- No dewatering has been observed at Archers Lane. 12/01/05.</p> <p>- Dewatering has not been observed at Norwalk Junction. 12/01/05.</p>	<p>-See Erosion control section. 12/01/05.</p> <p>- None at this time. 12/01/05</p> <p>- None at this time. 12/01/05</p>
Blasting	<p>- All blasting is complete at Archers Lane, and it appears the wayward material was removed from the property boundary/stone wall. 12/01/05.</p> <p>- Work continues to remove the boulders created by the blasting. 11/10-12/01/05</p>	<p>- None at this time 12/01/05.</p> <p>- Some of the stone will be used on-site and some is being trucked away. 12/01/05</p>
Spills and Material Storage	<p>-No oil or drip spots were noted during the inspection. 12/01/05.</p>	<p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site</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. Se proper storage for all materials.</p>
Additional Observations		

Next likely scheduled inspection:

Thursday, December 8, 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



Hoyts Hill Transition Station: Photo to the left shows grass growth on the western slope leading from the road. Photo to the right is a view of the significant ruts and some erosion noted off Hoyts Hill Rd. Additional stone should be installed here. 12/01/05



Both photos show a view of the rills and erosive gullies present on the southern side of the site. The photo to the right also shows sediment deposits along the silt fence. 12/01/05.



The photo shows the apparently worsening erosive gullies present on the northern portion of the site. The existing pad may not be long enough to reduce velocity of exiting stormwater. 12/01/05.



Archers Lane: Photo on the left shows the access road, looking toward Diamond Hill Road. Photo to the right shows the upgradient access road to the transition station pad. The site was very muddy at the time of inspection. 12/01/05.



The photos show an overall view of the pad where most stone and boulders have been removed. Foundation footings were being staked. 12/01/05



Norwalk Junction: Overall view of the trenching for the installation of new pipe to connect to the road culvert. 12/01/05