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 14, 2005

Inspector: Lee Curtis

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

Storm/ Rain Event: Approximately 0.76" of precipitation fell in the form of snow on 12/9 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	- **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. 12/01-12/14/05. -**Archers Lane**: -Stone placement and vegetative clearing was complete along the access road into the site. 12/14/05. - **Norwalk Junction**: A gravel access road is in place off of Route 7. Sediment tracking was not noted. 12/14/05. - Trenching for the new drainage system was complete along the access road and the catch basin was being installed in Route 7. 12/14/05	-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. 12/14/05. - None at this time.12/14/05. -Continue to monitor sediment tracking issues and sweep streets if necessary. 12/14/05. - None at this time. 12/14/05
Foundation construction	- 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. 11/17-12/14/05.	-None at this time. 12/14/05.

Areas of Inspection	Observation	Recommended Action
Foundation construction continued	- Additional work may be necessary on the outlet/dissipater pads as erosive gullies continue and appear to have worsened. 12/01-12/14/05. -At Archers Lane foundation footings for the retaining walls were under construction at this time. Excavation was noted in the access road for a vault. 12/14/05. - Stone walls were being constructed within the site. 12/14/05 - The pole structure foundation is complete adjacent to the yard. 12/14/05. -At Norwalk Junction, the installation of the new drainage system was complete. The swale is in place and the slopes were placed with erosion matting. Stonework is ongoing and the old outlet still needs to be removed. 12/14/05. - Staking was occurring in preparation for the foundations and walls. 12/14/05	-The pads may need to be extended based on the noted erosion issues. See erosion control section. 12/01-12/14/05. -None at this time. 12/14/05 -None at this time. 12/14/05 -None at this time. 12/14/05 - See erosion control section for more information 12/8/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	-**Hoyts Hill**: The majority of the perimeter silt fence remains in good condition and water was seen running clear through the barrier. 12/14/05. - Erosive gullies were still present along both the northern and southern slopes under the snow cover. 12/14/05. - The gullies have caused sediment to deposit all along the base of slope prior to the snow. 10/27-12/14/05.	- Continue to monitor the area and be proactive in maintenance of the erosion controls, especially in areas with wetland immediately adjacent. 12/14/05. - Gullies should be repaired and a stronger method of stabilization, such as erosion control mats, should be considered. 12/14/05.

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls continued	-The gullies appear to begin at the outlet pads. It may be necessary to extend the pads since they are not reducing velocity appropriately. 11/02-12/14/05. - **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. 12/14/05.	-Investigate whether extension of the stone pad would help the situation and restore the erosion caused here. 12/14/05. Haybales were installed at the top of slope, not at the outlet as we expected. 12/14/05 - Continue to monitor this area, especially after significant rain events. This is where sediment had previously collected. 12/14/05.
	- **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. Plowed snow picks up sediment which is now past the perimeter barriers. The controls are in need of repair in a number of spots. 12/14/05. -The cleared/disturbed soils noted outside the silt fence adjacent to the wetland are still present under snow cover.12/8-12/14/05 - Small stockpiles of stone and soil were noted but remain internal to the site. 12/14/05. - Although the drain swale is complete and in good shape, surrounding soil is disturbed. 12/14/05	-Repair and maintain erosion controls and pull back snow piles. Refrain from placing sediment laden snow up to and over erosion controls. This will likely be the responsibility of the 115kV contractor. 12/14/05 - This newly disturbed area adjacent to the river should be mulched or erosion controls should be extended to encompass. 12/1-12/14/05. - Watch for any soil migration towards the drainage swale. 12/14/05. -Place a haybale either at the inlet or outlet until the surrounding area is stabilized. 12/14/05.
Inland Wetland and Watercourse encroachment and mitigation	- **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.12/8/05-12/14/05.	-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. 11/10-12/14/05.

Areas of Inspection	Observation	Recommended Action
	-Archers Lane: No immediate wetland area concerns were noted. Watch run-off velocity down the completed slopes and walls. 12/14/05. - **Norwalk Junction**: Several spots along the perimeter erosion controls along the Norwalk River are in need of attention due to snow plow issues. Flooding may be an issue during extended periods of rain. 11/23/05- 12/14/05. -The snow piles have the potential to deposit sediment past the perimeter barriers to the river. 12/14/05 - The outlet of the drainage pipe is at the headwall of the wetland area. Riprap is in place. 12/8-12/14/05	-None at this time. 12/14/05. - Maintain perimeter controls either by the 115kv or transition contractors and extend to encompass the cleared area or restore it. 12/14/05. -It appears this was part of the 115kV and not the transition station work. The snow piles should be pulled back from the fence. 12/14/05 - Continue to stay within the permitted work. None at this time. 12/14/05.
State species of concern, threatened and endangered species	- No species of concern are located in these areas of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-**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. 11/17-12/14/05. **- Archers Lane:** No new clearing was noted during this inspection. 12/14/05. - **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. 11/23-12/14/05.	- 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. 11/02-12/14/05. -None at this time. 12/14/05. - This area was not restored or enclosed in silt fence prior to snow cover. This should be done. 12/8-1214/05.

Areas of Inspection	Observation	Recommended Action
Dewatering	-Dewatering was not necessary at Hoyts Hill but erosion resulting from the outlet pipes and slope run-off continues. 12/14/05. - No dewatering has been observed at Archers Lane. 12/14/05. - Dewatering has not been observed at Norwalk Junction, however the drainage system is being installed. 12/14/05.	-See erosion control section. 12/14/05. - None at this time. 12/14/05 - None at this time. 12/14/05
Blasting	- All blasting is complete at Archers Lane. 12/14/05. -Work hauling boulders from the site is complete. 12/14/05	- None at this time12/14/05.
Spills and Material Storage	-No oil or drip spots were noted during the inspection. 12/14/05.	- 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: Thursday, December 22, 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: Photo on the left shows where haybales were installed along the site access point prior to snow cover. Photo on the right is a view along the southern perimeter fence.12/14/05

Overview of the transition station wall and pad from Rt. 58. 12/14/05.


Archers Lane: Photo on the left shows a view of the completed upgradient access road into the site. Photo on the right shows additional view into the station site. 12/14/05.

View of the recently installed structure foundation located adjacent to the transition station and where access was cleared to the ROW. 12/14/05.

Photo on the left shows where construction has begun on retaining wall footings. Photo on the right shows where excavators are working on a vault location for installing the connecting 345kV infrastructure. 12/14/05

Norwalk Junction: Overall view of the site towards some of the work. Photo on the left shows a view towards Rt. 7 of the stone work at an outlet and stockpiles. Photo on the right shows a view of the staking for the site layout. 12/14/05

Both photos are views of the snow that was plowed up to and over the existing perimeter silt fence. This was apparently a result of 115kV and not transition station work and should be pulled back from the fence. Plowed snow picks up sediment which is now past the perimeter barriers. 12/14/05

Photo on the left shows the completed drainage swale along the access road. Erosion control matting was installed on the slope here. A haybale should be placed at the inlet or outlet for now until the surrounding area is stabilized. 12/14/05