

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: September 7, 2006

Inspector: Lennox Keen, David Stowe

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

Storm/

Rain Event: Between 0.45-0.74" of precipitation was recorded over 9/2-9/3 depending on location and as reported by NOAA. Local totals may vary.

| Areas of Inspection | Observation | Recommended Action | Corrected Actions |
|------------------------------------|---|---|--|
| Access Roads and Adjacent Roadways | - Hoyts Hill: Access is gained off Hoyts Hill Road. The driveway was recently paved. An apparent stormwater run-off path was noted here. 8/30-9/7/06 | -The gully will be filled in if necessary now that the driveway is paved. Asphalt curbing and grading is still proposed for the area. 8/30-9/7/06. | -N/A |
| | - Archers Lane: Water levels at the wetland crossings on the access road to the ROW appear to remain below problem levels. 9/7/06. | -The 1 st wetland crossing needs some maintenance and sediment removal. See the EC section. 6/28-9/7/06. This crossing will also have to be removed when work and access needs are complete. 8/30-9/7/06 | -Needs attention |
| | - The silt fence along the access road retains accumulated sediment and pooled water. 8/30-9/7/06 Significant sediment still needs to be removed from the wetland 7/26-9/7/06 | - This area will also need some final stabilization measures as this is an ongoing problem. Remove sediment carefully by hand. It is several inches deep in spots 8/9-9/7/06 | - Needs sediment removal. (Future solutions are being discussed) |
| | -Slopes remain disturbed along the access road where 345kV trenching occurred and stockpiles | - AL contractors will likely need to perform restoration when work is complete here. 5/4-9/7/06 | - Needs attention when work is complete |

| Areas of Inspection | Observation | Recommended Action | Corrected Actions |
|--|--|--|---|
| Access Roads and Adjacent Roadways continued | <p>remain. 8/16-9/7/06</p> <p>- Haybales remain in place where water had pooled in the access road near the stone wall. 9/7/06</p> <p>- Norwalk Junction: Sediment tracking was noted on Rt 7 due to very muddy conditions at the access to the site. 9/7/06.</p> <p>-The front portion of the yard is largely disturbed due to extensive parking here. 8/30-9/7/06</p> | <p>-Continue to monitor for more permanent solutions if necessary. 9/7/06</p> <p>-Sweep Rt 7 as necessary and improve the construction pad if it can be done safely. 9/7/06</p> <p>- Stabilize any areas as feasible to reduce disturbance. 8/30-9/7/06 Conditions are very muddy.</p> | <p>-N/A</p> <p>-Needs attention</p> <p>- Needs attention</p> |
| Foundation construction | <p>-At Archers Lane, Landscaping of screening trees had been completed. 9/7/06</p> <p>-At Norwalk Junction: Work continues on the structures and equipment in the station yard. Wire pulling crews for overhead work were also present on site. 9/7/06.</p> <p>-Trenching was occurring along the perimeter chain link fence. 9/7/06</p> | <p>-None. Continue to monitor 9/7/06</p> <p>- See erosion control section 9/7/06</p> <p>-Monitor controls carefully and backfill as soon as feasible to reduce areas of disturbed soil 9/7/06</p> | <p>-N/A</p> <p>- N/A</p> <p>-N/A at this time</p> |
| Erosion and Sediment Controls | <p>-Hoyts Hill: The perimeter silt fence along the wetlands at the rear of the station remains in good shape. 4/6-9/7/06.</p> <p>- The restored wetland at the base of slope continues to revegetate 8/16-9/7/06</p> <p>-One small gully in the southern slope remains along the stone pad. The</p> | <p>-Fence can likely be removed from most areas as adjacent vegetation is stable. 8/24-9/7/06</p> <p>- Continue to monitor as the area stabilizes. 9/7/06</p> <p>-Determine if the area has stabilized adequately or if the gully still needs</p> | <p>- N/A</p> <p>- N/A.</p> <p>- Needs attention when feasible</p> |

| Areas of Inspection | Observation | Recommended Action | Corrected Actions |
|--|---|--|--|
| <p>Erosion and Sediment Controls continued</p> | <p>surrounding area is vegetated and may have sufficiently stabilized. 8/30-9/7/06.</p> <ul style="list-style-type: none"> - Archers Lane: Silt fence along the access road at the 1st wetland was intact but retained pooled water. Significant accumulated sediment remains in the wetland. 7/5-9/7/06 - A second area just upgradient had sediment accumulation up to and over the silt fence in the wetland. 8/30-9/7/06 - A few of the repaired areas upgradient of the 2nd wetland crossing at the ROW started to erode again. 8/16-9/7/06 - Haybales remain at the stonewall near Diamond Hill where run-off had been pooling. 8/3-9/7/06 - The silt fence where the process stockpile remains in good shape. 9/7/06 | <p>restoration. 8/16-9/7/06. Future repairs are planned. 8/30-9/7/06</p> <ul style="list-style-type: none"> - Remove sediment carefully by hand. It was several inches deep in spots. 7/5-9/7/06 NU is looking into final stabilization measures as this is an on-going problem. 8/16-9/7/06 -Repair and reinforce controls here as well and remove sediment. 8/30-9/7/06 - See Overhead report. 8/16-9/7/06 -Continue to monitor. 9/7/06 - Revegetate the area to the extent practicable but it is still being used for parking 8/9-9/7/06 | <ul style="list-style-type: none"> - Still needs attention - Still needs attention - N/A -N/A until access is complete |
| | <ul style="list-style-type: none"> - Norwalk Junction: Perimeter silt fence remain in good shape along the river. 5/17-9/7/06. -The wetland area at the end of the swale, outside the silt fence, adjacent to the river contains accumulated sediment. 6/7-9/7/06 | <ul style="list-style-type: none"> - None at this time. Continue to monitor controls. 5/17-9/7/06. - The silt is contained and does not yet reach the river. Wetland vegetation was also noted growing here, but silt has built up significantly at the stone outlet and should be removed by hand 6/1-9/7/06 | <ul style="list-style-type: none"> -N/A - Needs attention |

| Areas of Inspection | Observation | Recommended Action | Corrected Actions |
|---|--|--|---|
| | <p>- Increasingly larger areas on site have soil disturbance (due to parking and tracking) leading to additional sediment in the swale. 7/19-9/7/06 This includes the area adjacent to the perimeter chain link fence by the river. 7/26-9/7/06</p> <p>Conditions are extremely muddy at this time and will put increased pressure on controls. 9/7/06</p> | <p>- Remove accumulated sediment from the swale and continue to improve water quality to the swale by restoring areas wherever feasible. 6/1-9/7/06</p> <p>-Reduce disturbance and tracking as much as possible. 9/7/06</p> | <p>- Needs attention</p> <p>- Needs attention</p> |
| | <p>-The portion of the swale that was filled in has been regraded but remains exposed 8/16-9/7/06</p> <p>-Access into the site has caused the culvert in the swale to be partially filled with stone and sediment 9/7/06</p> | <p>-Place stone and revegetate to restore the swale to previous conditions. 8/16-9/7/06</p> <p>-Restore and repair swale. Add additional controls downstream to prevent turbidity. 9/7/06</p> | <p>- Needs attention</p> <p>- Needs attention</p> |
| <p>Inland Wetland and Watercourse encroachment and mitigation</p> | <p>- Hoyts Hill: The wetland remains well protected and well vegetated 9/7/06</p> <p>-Archers Lane:Significant accumulated sediment in the 1st wetland crossing needs to be removed. 6/28-9/7/06.</p> <p>- Norwalk Junction: The outlet of the drainage swale is at the headwall of the wetland area. Wetland vegetation was growing but silt has accumulated and turbid water remains 6/14-9/7/06</p> | <p>-Erosion controls could likely be removed from most areas. 9/7/06.</p> <p>- Carefully remove the sediment from the wetland where there are significant buildups. Some areas have almost 6 inches. 6/28-9/7/06.</p> <p>- Reduce turbidity by controlling its source-disturbed surfaces and dewatering on site. The area does not seem affected but deeper sediment buildup at the outlet should be removed. 5/25-9/7/06.</p> | <p>- N/A.</p> <p>- Still needs attention. NU is evaluating more permanent solutions</p> <p>-Needs attention</p> |

| Areas of Inspection | Observation | Recommended Action | Corrected Actions |
|---|---|---|--|
| State species of concern, threatened and endangered species | - No species of concern are located in these areas of construction. | - N/A | -N/A |
| Vegetative clearing limits or stabilization | <p>- Archers Lane: Screening trees were planted along the edge of the station. 9/7/06.</p> <p>- Norwalk Junction: -A number of bare soil areas around the perimeter of site should be temporarily stabilized/vegetated due to sediment loading to the swale. 7/26-9/7/06.</p> | <p>-Continue to monitor and restore. 9/7/06.</p> <p>- Restore perimeter surfaces wherever feasible (even if it is temporary) 6/1-9/7/06. Conditions are very muddy.</p> | <p>-Screening trees were planted.</p> <p>-Still needs attention and problem is worse</p> |
| Dewatering Norwalk Junction | -No active dewatering was noted at Norwalk Junction. However, several portions of the swale need restoration. 9/7/06 | -Restore swale and increase controls. 8/16-9/7/06. | -Still needs attention |
| Blasting | - All blasting is complete. 9/7/06 | - None at this time. | -N/A |
| Soils | - A few soil stockpiles remain at Norwalk Junction . Most soil was used or removed. 9/7/06. | - Stockpiles remain contained and are limited. 9/7/06. | -N/A |
| Spills and Material Storage | - No obvious drips or spills were noted at the inspection. 9/7/06 . | <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:**

Wednesday September 13, 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 David Stowe, Lennox Keen



Hoyts Hill Transition Station: Photo on the left shows vegetation returning to the restored wetland area off Rt 58. Archers Lane: Photo on the right shows an overview of the station after the area was landscaped. 9/7/06



Archers Lane: Photo on the left shows a close-up of the landscaped screening trees. Norwalk Junction: Photo on the right shows the muddy conditions at the entrance to the yard. Tracking was noted on Rt 7. 9/7/06



Norwalk Junction: Photo on the left shows equipment accessing the area beyond the chain link fence. Conditions were very muddy at this time. Photo on the right shows ditching along the perimeter fence. 9/7/06.



Photo on the left shows access over the swale where sediment and rocks have partially filled in the culvert. This needs to be repaired and the surrounding area stabilized. Photo on the left shows the swale which will need reinforcement and restoration measures. 9/7/06.