

**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.

**Norwalk Substation**

**Date:** September 20, 2006

**Inspector:** David Stowe, BSC Group

**Location:** Norwalk Substation Expansion

**Storm/**

**Rain Event:** No recent precipitation data was available from NOAA at the time of inspection. Reporting appears to have been interrupted and incomplete for the month of September.

| Areas of Inspection  | Observation   | Recommended Action   | Corrected Action               |
|--|---|--|--------------------------------|
| Access Roads and Adjacent Roadways                         | - The catch basin near the Route 7 ramp receives a lot of off-site stormwater-sedimentation of roadway sand is occurring here. 12/22-9/20/06.   | -The area should no longer be affected by any onsite sediment. The silt fence could be removed. 12/1-9/20/06.  | -N/A.                          |
| Foundation construction                                    | -No construction activity was noted in the substation. 9/20/06.   | - None at this time. Little to no soil disturbing work is occurring. 5/17-9/20/06.   | -N/A                           |
| Erosion and Sediment Controls                              | - Erosion on the slope of the river appears to be forming again near the structure. 6/28-9/20/06<br><br>- The stone at the inlet on site does appear to help filter run-off prior to entering the Norwalk River. 9/13-9/20/06 | - Continue to monitor and attempt to make the area more natural/ vegetated if feasible. 5/25-9/20/06.<br><br>- Continue to monitor and install more stone to reduce turbidity to the river if needed. 9/13-9/20/06 | -N/A<br><br>-N/A at this time  |
| Inland Wetland and Watercourse encroachment and mitigation | - The original overflow channel is fully vegetated. 9/20/06.<br><br>- Repaired stone fill at the turning structure appears to be piled noticeably higher than adjacent  | - None at this time. 9/20/06.<br><br>- Ensure that appropriate grades are met. 9/20/06   | -N/A<br><br>- Needs evaluation |

| Areas of Inspection  | Observation   | Recommended Action   | Corrected Action |
|--|---|--|------------------|
|  | grades. 9/13-9/20/06  |  |                  |
| Vegetative clearing limits (including trees to save or danger trees noted) | -The riverbank to the north of site in the ROW could use some vegetative cover. 5/17-9/20/06<br>The overflow channel is well vegetated. 9/20/06 | - None at this time. Continue to monitor and consider adding seed if feasible. This is likely overhead jurisdiction. 5/17-9/20/06  | -N/A             |
| Dewatering   | -Construction dewatering should no longer be occurring on site. 9/20/06.  | -None at this time. 9/20/06.   | -N/A.            |
| Blasting   | - Not applicable  | - None at this time.   | -N/A             |
| Spills and Material Storage  | - Wire debris was removed from the base of the 345kVV turning structure. 9/20/06.   | In general:<br>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.<br>- Report spills to the office immediately, even if they are being controlled. | -Needs attention |
| Additional Observations  | -This site may be able to be removed from the inspection route in the near future. 9/20/06  |  |                  |

### Plumtree Substation

**Date:** September 20, 2006

**Inspector:** David Stowe

**Location:** Plumtree Substation Expansion, Bethel

**Storm/**

**Rain Event:** No recent precipitation data was available from NOAA at the time of inspection. Reporting appears to have been interrupted and incomplete for the month of September.

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
|---------------------|-------------|--------------------|------------------|
|---------------------|-------------|--------------------|------------------|

| Areas of Inspection   | Observation  | Recommended Action  | Corrected Action                               |
|---|--|---|--|
| Access Roads  | <p>- Minor work continues in the substation. The drive is in use for this equipment. 9/20/06.</p> <p>-Sediment had been noted in the wetland swales adjacent to the access road. 7/5-9/20/06</p>     | <p>- None at this time. 9/20/06.</p> <p>- This is likely a pre-existing condition and not directly related to the expansion work. However, if the road can be further stabilized, this may help the situation. 7/19-9/20/06</p> | <p>-N/A.</p> <p>- Needs evaluation</p>         |
| Foundation construction   | <p>- Most major site work is complete. Remaining activities involve electrical testing and switching and clean up. 9/20/06.</p>  | <p>- Remain aware that the perimeter of the yard is surrounded by wetlands. See erosion control section. 3/15-9/20/06.</p>  | <p>-N/A at this time.</p>                      |
| Erosion and Sediment Controls<br>(includes inspection within 24 hours of a storm event) | <p>- The site has been graded on an even level to the perimeter stone berm towards the rear of the site. 7/19-9/20/06</p> <p>-At least one stockpile and some materials remain on site. 9/20/06.</p> | <p>- The berm must remain maintained as sediment control. It may need to be built up with stone in order to filter effectively. 7/19-9/20/06</p> <p>-Continue to monitor. 9/20/06.</p>  | <p>- Needs evaluation</p> <p>-N/A</p>          |
| Inland Wetland and Watercourse encroachment and mitigation                              | <p>- Wetlands are located around the outskirts of the substation yard. 9/20/06</p>   | <p>- Maintain perimeter berm. Vegetation adjacent to the yard is thick and helps filter run-off. 9/20/06.</p>   | <p>N/A.</p>                                    |
| State species of concern, threatened and endangered species                             | <p>- The wood turtle was seen along the outside perimeter of the station the week of 5/25/06.</p>  | <p>- Move machinery carefully and perform daily walkdowns of the site. Continue to watch carefully for the turtle. 5/25-9/20/06.</p>  | <p>-Crews should remain aware during work.</p> |
| Vegetative clearing limits (including trees to save or danger trees noted)              | <p>- No vegetation outside of the substation yard will need to be cleared during the expansion work.</p>   | <p>- None (minor clearing for access for a separate project occurred outside of the yard in the adjacent ROW)</p>   | <p>-N/A</p>                                    |
| Dewatering  | <p>- Active dewatering was not observed at the inspection. 9/20/06.</p>  | <p>- If necessary, utilize methods of controlling dewatering without letting</p>  | <p>-N/A</p>                                    |

| Areas of Inspection         | Observation  | Recommended Action  | Corrected Action |
|-----------------------------|--|---|------------------|
|                             |  | unfiltered water off-site.<br>9/20/06   |                  |
| Blasting                    | - No blasting is occurring on site at this time.                           | - None at this time.  | -N/A             |
| Spills and Material Storage | - No spills or leaks were noted. Continue to monitor machinery.<br>9/20/06 | - The contractors should remain vigilant about securing and handling fuel containers.<br>- Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.<br>- Report spills to the office immediately, even if they are being controlled. | -N/A             |
| Additional Observations     |  |   |                  |

**Next likely scheduled inspection:** Friday, September 29, 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:** David Stowe, BSC Group



(Norwalk Substation): Photo on the left shows the repaired stone area at the 345kV turning structure Photo on the right shows a view of the yard. Electrical work was noted. 9/20/06



(Plumtree Substation): Photo on the left shows a current view of the yard with some electrical and equipment work still occurring here. 9/20/06