

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: October 19, 2005

Inspector: Diana Walden

Location: Overhead Line (Composite 345kV and 115kV Gallows Hill to Archers Lane)

Storm/

Rain Event: Significant amounts of rain continued to accumulate from the storm event over the last inspection. An additional 4” fell over 10/13-10/14.

| Areas of Inspection | Observation | Recommended Action |
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| Access Roads and Adjacent Roadways | <p>- The ROW is accessible from Gallows Hill Road by an existing trail path with a swing gate, an approved access path in from the east of the ROW, and the access road previously used for the Archers Lane substation. All roads remain stable. 9/15-10/19/05</p> <p>-The first low spot/wetland crossings in from Gallows Hill had water filtering through due to the storm events. Water remained clear on both sides and the crossing is well installed and working. 10/19/05</p> | <p>-All roads are in good shape. None at this time. 10/19/05</p> <p>- The wetland areas will be restored when all work in this section is completed (including future trenching) as this is considered temporary access. 10/19/05</p> |
| Foundation construction | <p>- Conduit installation was just completed to the riser structure just off Gallows Hill by 115kV contractors. 10/19/05</p> <p>-Open excavations and drilling operations are present at a number of other structure locations along the ROW. 10/19/05</p> <p>-The stockpile is still in place at the second structure in form</p> | <p>-None at this time. 10/19/05</p> <p>- Most are in upland areas and well contained. 10/19/05</p> <p>- Make sure the stockpile and water and mud is contained</p> |

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| | Gallows Hill and the drill hole was filled with water which will have to be removed. 10/19/05 | when it is removed from the pit and not able to migrate to adjacent wetlands. 10/5-10/19/05 |
| Erosion and Sediment Controls (includes inspection within 24 hours of a storm event) Erosion and Sediment Controls | <p>-Silt fence is still in place along the low wetland spots on the access path and was placed along the road in from Archers Lane and filtering overflow well. 10/19/05</p> <p>- Silt fence is in place downgradient of the second structure in from Gallows Hill. The area is very rocky here and difficult to toe in fence so some sediment has migrated from the stockpile through to the wetland following the rain. 10/19/05</p> <p>- Silt fence is also installed at the excavation located on the Archers Lane side of the ROW. A river is within the vicinity downgradient. 10/19/05</p> | <p>- Continue to maintain the silt fence and controls when necessary. 10/19/05</p> <p>- Haybales will be staked here to help filter stormwater but it will be difficult to prevent it completely. Sediment will be removed by hand from the wetland. 10/19/05</p> <p>- Continue to maintain controls as necessary. 10/19/05</p> |
| Inland Wetland and Watercourse encroachment and mitigation | <p>-The D&M plan approved stone on geotextile fabric at the first wetland crossing in from Gallows Hill has worked very well to filter overflow. Water is traveling through the stone and very clear on both sides of the wetland. 10/19/05</p> <p>-Some sediment filtered through the silt fence from the stockpile to the adjacent wetland at the 2nd structure 10/19/05</p> | <p>- None at this time, the crossings have been constructed. As the access is considered temporary, the stone will be removed when final work ends so the wetlands can be restored. 10/19/05</p> <p>- The small amount of sediment will be scraped up as feasible and removed by hand. Attempts will be made to secure the controls here. 10/19/05</p> |
| State species of concern, threatened and endangered species | - The overhead portions have been identified as having potential habitat for several state listed species, including several species of turtles and plants. This particular portion of overhead work includes the turtle habitat area. 9/15-10/19/05 | -Crews have been doing daily sweeps for any turtles in the work areas and noting the results of their efforts on daily construction reports. 10/19/05 |

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| | <p>-The Eastern box turtle has not been observed since the first sighting. 10/19/05.</p> | |
| <p>Vegetative clearing limits (including trees to save or danger trees noted)</p> | <p>-The ROW has been mowed in this section in order to allow for truck access and foundation construction. Vegetation that did not need to be removed was left in place on either side of the access path 9/15-10/19/05</p> | <p>-None at this time. In general limit clearing to those areas necessary. 10/19/05</p> |
| <p>Dewatering</p> | <p>- Water has filled the hole at the second structure in from Gallows Hill. It was being allowed to settle out to remove sediment before it is dewatered. Water looked clear at the time. 10/19/05</p> <p>- Dewatering has also occurred at some of the structures adjacent to the upland. Water was released in well vegetated areas and did not reach any wetlands. 10/19/05</p> | <p>- A “corral” will need to be installed in the upland to filter the dewatering discharge. Use a filter bag if available 10/19/05</p> <p>- None at this time. Release water to the ground only if it will not reach any resource areas. 10/19/05</p> |
| <p>Blasting</p> | <p>-No blasting has been necessary at this time except in the adjacent Archers Lane transition station. 10/19/05</p> | <p>-None at this time. 10/19/05</p> |
| <p>Spills and Material Storage</p> | <p>- No further spills were noted at this inspection although a small drip was noted from a vehicle along the access road in the stone. 10/19/05</p> <p>- Be sure to establish a concrete washout station where drivers are instructed to go and washout water will be contained away from wetlands, waterways, and inlets/catch basins. Uncontrolled washouts are not permitted on the ROW per the D&M plan. 10/19/05</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>- Keep adequately size fuel kits for worst case scenarios.</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. Use proper storage for all materials.</p> |

| Areas of Inspection | Observation | Recommended Action |
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| Additional Observations | | |

Next likely scheduled inspection:

Thursday October 27, 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



Overhead ROW: View of the 2nd structure in from Gallows Hill. Some sediment ran off from the stockpile and accumulated at the silt fence. Some also filtered through the rock to the wetland. Haybales will be added here to help prevent this and sediment will be hand removed. (10/19/05)



The excavation was filled with water following the rain but sediment had settled out. Dewatering will have to occur to a corral since the wetlands are located adjacent. (10/19/05)



Photo on the left shows a view of the excavation for the next structure foundation moving south along the ROW. The area here was all upland and controls were well in place. Photo on the right shows work at a caisson closer to Archers Lane along the ROW. (10/19/05)



With the rain, water was filtering through the stone at the first low/wetland crossing on the ROW. Water was very clear and the wetlands seem to be well protected with this method. (10/19/05)