

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: June 9, 2005

Inspector: Diana Walden

Location: 115 kV Underground Route

Storm/

Rain Event: The areas received isolated storms throughout the week since the last inspection with 0.44" on 6/6 as the most in any one storm as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
<p>Vault Openings and Trench Construction</p> <p>Gallows Hill Road and Rt. 107, Redding</p>	<p>- Excavation for installation of vault #13 on Gallows Hill Road was occurring. Pea stone was installed to stabilize the trench and conditions were wet and muddy. 6/09/05</p> <p>- Trench milling/preparation and cover paving is ongoing along Rt. 107. 6/09/05</p> <p>- Cable and conduit were being installed within the trench in the vicinity of #124 Gallows Hill and some areas were prepared for backfill. 6/09/05</p>	<p>- Soil was piled against the silt fence here and there was some strain on the fence. It should be repaired when work is done. 6/09/05</p> <p>- All activities seem well contained on the roadway 6/09/05</p> <p>- All activities were well contained here. 6/09/05</p>
<p>Near Rt. 58/Rt. 107 intersection Putnam Park, Redding</p>	<p>- Trenching and conduit installation was occurring near the intersection of Rts. 58 and 107. 6/09/05</p>	<p>- Activities are fairly well contained to the roadway. See erosion control, dewatering and storage sections for more information. 6/09/05</p>
<p>Broad Street, Norwalk</p>	<p>- Trenching and conduit installation has begun at the northern fence of the Norwalk substation in the existing ROW. 6/09/05</p>	<p>-Silt fence is in place and activities are well contained. 6/09/05</p>

Areas of Inspection	Observation	Recommended Action
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p>	<p>- Silt fence has been well installed where the work is located adjacent to wetlands off the roadway along Rt 107, Gallows Hill Road and the ROW. 6/09/05</p> <p>- Several check dams have been placed in the existing country drainage swales and inlets along the roadway to protect them from sedimentation. 5/13-6/09/05</p> <p>- Stockpiles are not currently present for the most part. All excavated material is currently clean and is being trucked to the Redding town yard and stored appropriately 5/18-6/01/05</p>	<p>- In general most areas are in good repair. Continue to maintain as necessary. See below for site specific issue. 6/09/05</p>
<p>Gallows Hill Road and Rt 107</p>	<p>-Near vault #13 active installation, a temporary pile of excavated sediment was placed against the silt fence and is creating some strain. 6/09/05</p> <p>-The area near #112 Gallows Hill and the completed vault #15 installation, noted in a previous inspection, still has a pile of stone off the roadway against the silt fence. 5/26/5-6/09/05</p> <p>- A splatter of mud and some sediment tracking was noted from the Gallows Hill Road activities near the intersection with Old Stagecoach Rd. 6/09/05</p>	<p>- No sediment was reaching beyond the fence to the forested area but the fence should be repaired once the soil is removed. 6/09/05</p> <p>- This area should be cleaned up when feasible. 6/09/05</p> <p>- Some road sweeping may be necessary due to vault work in muddy conditions. 6/09/05</p>
<p>Near Rt. 58/Rt. 107 intersection Putnam Park, Redding</p>	<p>- In the working space, an excavator had trailed some mud/sediment against the silt fence and beyond the barrier. It was being removed actively by hand at the time of inspection. 6/09/05</p>	<p>- The sediment fell within the wetland buffer, not the resource area itself. The hand removal was effective and well done. 6/09/05</p>

Areas of Inspection	Observation	Recommended Action
<p>Erosion and Sediment Controls continued</p> <p>Broad Street, Norwalk</p>	<p>- The work area is directly adjacent to work for a separate project at Putnam Park. Soil disturbance is present from these activities in the parking lot and along the road and grounds. Some portions of the disturbed soil from this work were not enclosed in silt fence. 6/09/05</p> <p>- Major concrete washouts are performed at the Redding town yard but we discussed creating a small haybale/ plastic liner corral for smaller washouts such as shovels. 6/09/05</p>	<p>- Since O&G is using this parking area for temporary equipment storage, it was recommended they continue the silt fence line along the lot edge. 6/09/05</p> <p>- A corral will be created for small washouts of tools or minor truck washes. It should be located well away from wetlands or catch basins. 6/09/05</p>
	<p>- Silt fence is well installed in the existing ROW for the conduit installation here. 6/09/05</p>	<p>- None at this time. 6/09/05</p>
<p>Adjacent Wetlands and Waterways</p>	<p>-None of the wetland resource areas adjacent to the roadway work were affected by the activities in any of the locations. No sedimentation or turbidity was noted. 6/09/05</p>	<p>-None at this time. Continue to monitor.</p>
<p>Staging, Storage, and Parking Areas</p>	<p>- The pull-off on the side of Gallows Hill Rd that has been designated as a machinery parking area could use some repair to the silt fence here. 6/09/05</p> <p>- In Redding Town Yard, excavate is being stored in a bin/corral with plastic covering. The pile is much larger than it has been in previous weeks and is extending out into the yard. Clean portions remain uncovered. 6/09/05</p> <p>- Concrete washouts are also taking place within the yard in</p>	<p>- There are no impending issues here but the silt fence could use some maintenance. 6/09/05</p> <p>- Haybales should be placed downgradient of the pile unless this is in the way of active equipment movement. 6/09/05</p> <p>- The water did appear to be cleaner than the direct</p>

Areas of Inspection	Observation	Recommended Action
	<p>a specified location. It may be necessary to add an additional form of containment here as water was noted entering a catch basin on site. 6/09/05</p> <p>- The Putnam Park parking lot is also being used for temporary equipment storage and includes a stone pile and some machinery. 6/09/05</p>	<p>washout water so it may have come from the truck surface. It should be determined however, if and how the area could be contained. 6/09/05</p> <p>- Although the area has disturbed soil due to a separate project at the park, silt fence should be extended along its edge since it is being used for the 115kV project. 6/09/05</p>
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-No significant clearing has been necessary along the roadways at this time with the exception of some minor ground cover disturbance. 6/09/05	- When ground cover removal is necessary along the sides of the roadway, the areas will be restored and reseeded following the work. 6/09/05
Dewatering	<p>- Dewatering was required in several areas during this week's work. 6/09/05</p> <p>- Rts. 58/107 Putnam Park Water from the trench was being directed to a tank truck for disposal offsite due to some "polluted but not contaminated" background levels of beryllium in the soil here. 6/09/05</p> <p>- Gallows Hill Road - Dewatering was necessary in both the vault and conduit installation. Both areas were directing water to tank trucks. 6/09/05</p>	- It should be determined if problem levels are present in the water and whether the water can be released to an approved dewatering corral in the area. It would be best to allow the water to recharge to the wetlands here if levels are not above approved limits. 6/09/05
Blasting	- No blasting is occurring in any areas at this time.	- None at this time.

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Spills and Material Storage	<p>-Leaks were not noted from the machinery during this inspection. A report of any leaks or spills that reach the ground and occur during the week will be provided to BSC from internal project inspectors 6/09/05</p> <p>- It was reported that early on, some refueling was taking place within 100 feet of wetlands but the practice has been adjusted. 6/09/05</p> <p>- No areas of “contaminated” level soil has been excavated yet. Background “polluted” soils are being taken to the Redding Yard and covered with plastic if they were removed in Redding, or out-of-area contractor operation/ storage yards if it is excavate from the other towns.</p> <p>- A small open pail was noted in the pull-off area on Gallows Hill Road. It appeared to hold a mixture of oily residue and rain water, possibly left over from containing a equipment leak. This should be disposed off properly. 6/09/05</p>	<p>- The contractors should remain vigilant about securing and handling fuel containers.</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>- Check equipment status on a regular basis and keep spill kits on hand.</p> <p>- Report spills immediately, even if they are being controlled.</p>
Additional Observations		

Next likely scheduled inspection:

Wednesday, June 15, 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*



115 kV (Broad Street-Norwalk)-Conduit installation is underway from the north of Norwalk substation in the ROW. 6/9/05



115 kV (Gallows Hill Road, Redding) Vault #13 installation on Gallows Hill Road. 6/9/05



Silt fence adjacent to the vault installation is strained slightly due to the sediment pile. Soil has not crossed the barrier but the fence should be repaired if necessary following the work. 6/9/05



View of more conduit installation on Gallows Hill Road. 6/9/05



115 kV (Rt 58 Putnam Park, Redding). Dewatering discharge water is being directed to a tank truck and removed from site. 6/9/05



Conduit installation work along Rt. 107 near intersection with Rt. 58. 6/9/05



Temporary storage area in parking area near Putnam Park. Separate project construction is ongoing on the lot and grounds here resulting in the soil disturbance, but additional silt fence should be added to the corner here. 6/9/05



115kV (Redding Town Yard) Storage area for excavate from the roadway work. Haybales should be considered at the downgradient side of the pile. 6/9/05



Concrete washout area. Additional containment or filter barrier should be considered as some water appeared to be reaching a catch basin on site. This water appeared to be cleaner than the immediate washout and may be coming off the trucks. 6/9/05