

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: March 3, 2004

Inspector: Diana Walden

Location: Norwalk Substation Expansion

**Storm/
Rain Event** Only traces of precipitation has been recorded in the area since last week.

Areas of Inspection	Observation	Recommended Action
Access Roads	<p>-While work areas and access roads are fairly soft and have the potential to be muddy, there is little excess water or thaw runoff. 3/3/04</p> <p>- The lack of rain and drier than normal conditions keep roads from getting too muddy. If conditions change, more gravel or mat installation may be necessary to stabilize the area. 3/3/04</p> <p>-The roadways continue to look maintained. New Canaan Avenue is free of sediment 2/27-3/3/04</p>	<p>- None at this time. Continue to monitor. 1/15-3/3/04</p> <p>- None at this time. Continue to monitor. 3/3/04</p>
Foundation construction	<p>- Construction of the concrete retaining walls is really moving forward at this time. 3/3/04</p> <p>- The foundation work continues within and adjacent to the yard. Some backfilling has occurred and structural work is taking place. The area</p>	<p>- Continue to monitor any potential impacts to the silt fence during work. 1/22-3/3/04</p> <p>- The major trench work areas are being stabilized with well-constructed shoring for safety reasons 2/13-3/3/04</p>

Areas of Inspection	Observation	Recommended Action
	<p>is well controlled and within the silt fence. 3/3/04</p> <p>- Concrete has been poured at the manhole and conduit construction area up near the Route 7 ramp. 3/3/04</p>	<p>- When excavation begins to approach the roadway here as proposed, silt fence or haybales should be installed to prevent sedimentation to the road. 3/3/04</p>
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p>	<p>- The warm weather continues and the area is fairly dry. There is a potential for some muddiness if significant rains occur. Showers are still forecasted on and off for the remainder of the week. 3/3/04</p>	<p>- Overall the site continues to do well with no significant sedimentation or erosion issues. 1/22-3/3/04</p>
	<p>- Silt fence remains in place and is effectively preventing sediment from entering the river. 1/15-3/3/04</p> <p>-A few areas of the fence show some wear in the fabric or a broken post and should be repaired when possible. 3/3/04</p>	<p>- Continue to monitor and maintain as needed. Some spots are very close to the river and will require the most monitoring. 1/15-3/3/04</p> <p>- Keep up with silt fence repair as needed, and continue to be proactive 3/3/04</p>
	<p>- Topsoil is being stockpiled in large amounts and is contained by the outer barrier of silt fence at this time. 1/15-3/3/04</p> <p>-The soil shows no indication of movement at this time, however weather is growing warmer. 2/27-3/3/04</p> <p>- The second topsoil stockpile remains in place due to the excavations for the retaining walls. This is located approximately in the center of the site and will be able to be reused. 3/3/04</p>	<p>- This pile may start to be utilized in the near future. If this does not occur as soon as anticipated, it appears to be an appropriate time to place the second barrier of silt fence at the toe of the pile before rains have a chance to potentially cause some soil migration. 3/3/04</p> <p>- This pile is separated from the outer silt fence line by the retaining walls. 3/3/04</p>

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls contd.	<ul style="list-style-type: none"> - The basin is still receiving diverted flows from the dewatering efforts. The water was coming down the larger riprap swale and was extremely clear upon reaching the basin. 2/20-3/3/04 - Some sedimentation and slight undercuts have occurred at the swale's inlet to the basin. 2/27-3/3/04 	<ul style="list-style-type: none"> - Continue to monitor the basin and outlets for any sediment laden flows 3/3/04 - Repair and stabilize any noted erosion on the banks of the basin and at the swale. 3/3/04
	<ul style="list-style-type: none"> - The previously disturbed area beyond the silt fence at the northern end of the site has been graded and mulched with straw at this time and remains stable. 2/20-3/3/04 	<ul style="list-style-type: none"> - When work extends here in the future, the silt fence should be extended to encompass it 3/3/04
	<ul style="list-style-type: none"> - Concrete seems to be limited to two main areas. One at the base of a berm near the sediment basin and the other up near the manhole excavation. 3/3/04 - The dried concrete is not a problem but washout water in liquid state is high in pH and can be corrosive. 	<ul style="list-style-type: none"> - Continue to use these few fairly contained locations for all concrete washouts. Consider posting a sign or designating the area. Placing a few haybales around the area and possibly plastic sheeting on the ground for easier disposal may be appropriate. 2/20-3/3/04
	<ul style="list-style-type: none"> - The soil removal has resumed and the soil with greater than 2000 ppm of lead is being handled appropriately at this time. Crews are wearing protective clothing and the necessary permission has been obtained from the landfill. Trucks are transporting the soil. 3/3/04 	<ul style="list-style-type: none"> - None at this time. It is anticipated that the removal of this portion of the soil will be completed within a few days. 3/3/04
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> - The silt fence remains in place and it is effective in controlling the sediment on site. 1/22-3/3/04. 	<ul style="list-style-type: none"> - Continue to monitor and maintain silt fence as necessary and monitor any flow from the basin outlet.

Areas of Inspection	Observation	Recommended Action
	<ul style="list-style-type: none"> - The mulched area on the bank near the basin remains well stabilized 2/20-3/3/04. - Riprap fill has been placed on the river side of the retaining wall but no work has occurred beyond the silt fence. It is anticipated that this measure will prevent erosion on the bank during high flows 3/3/04 	<p>1/22-3/3/04</p> <ul style="list-style-type: none"> - Monitor the riverbank as well and make repairs as necessary. Be ready to temporarily stabilize the bank with vegetation. 3/3/04 - If it becomes necessary to do more beyond the scope of what was approved, DEP will be approached. 3/3/04
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> - No species of concern are located in this area of construction. 	<ul style="list-style-type: none"> - N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> - As stated, riprap fill was placed at the base of the retaining wall as a way to stabilize the area, but no structural stabilization on the river bank s proposed. 3/3/04 - Roots and stumps are left in place here. 3/3/04 	<ul style="list-style-type: none"> - The areas near the river still appear stable. There are no serious erosion issues. 1/15-3/3/04 - The more vegetation left in place at the river, the more stable the bank will be. 3/3/04 - Temporary vegetative stabilization measures for the bank should be considered if it becomes apparent in the spring that there will be any bare spots. 3/3/04
Dewatering	<ul style="list-style-type: none"> - Dewatering continues as a result of the trench work for the retaining walls. The water is still being directed to the divergent swale that flows to the temporary sediment basin. 3/3/04 	<ul style="list-style-type: none"> - The water is very clear within the swale and is running directly into the basin and being contained appropriately. 3/3/04
Blasting	<ul style="list-style-type: none"> - No blasting is occurring on site at this time and it is not anticipated to be necessary. 	<ul style="list-style-type: none"> - None at this time.

Areas of Inspection	Observation	Recommended Action
Spills	<p>- A spill was reported on Monday of this week. A hydraulic hose broke and approximately one gallon of oil leaked. The soil was scooped up and removed to an appropriate landfill. All notifications were made. 3/3/04</p> <p>No spills were observed during inspection however, several very small, isolated spots of drippings were noted. 3/3/04</p> <p>- Tracking pads/diapers have been placed under some of the equipment parked on site in an effort to reduce any drips. 2/20-3/3/04</p>	<p>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. There may be new procedures implemented for this- i.e. walk around checks on equipment on a regular basis.</p> <p>- The practice of using “diapers” is highly encouraged for any vehicle or equipment with a known leak.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Additional/Miscellaneous Observations	<p>- Rain showers are still predicted on and off this week. The site has the potential to be muddy. The rain does not sound significant but the first strong storm could be one of the first real tests of the erosion control.</p> <p>- The work scheduled for Plumtree Substation in Bethel is very minor. The inspection next week may include a trip to this area.</p>	<p>- Continue to watch all areas along the bank and provide additional enforcement if needed.</p>

Next likely scheduled inspection: Wednesday March 10, 2004

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 L. Walden*



A VIEW OF THE SEDIMENT BASIN. THE DEWATERING DISCHARGE REMAINS CLEAR AND IS DIRECTED TO THE BASIN. A SMALL AMOUNT OF EROSION OCCURRED AT THE INLET INTO THE BASIN. 3/3/04



ALTHOUGH THE STOCKPILE REMAINS CLOSE TO THE SILT FENCE, THE RIVERBANK AND UNDISTURBED AREA HAS NOT RECEIVED SEDIMENT. 3/3/04



WORK WILL NOT OCCUR ANY CLOSER TO THE BANK THAN IT IS CURRENTLY. THE RIPRAP HAS BEEN PLACED AT THE BASE OF THE WALL TO STABILIZE THE AREA.
3/3/04



VIEW OF THE BACK PORTION OF THE WALL, ADJACENT TO THE RIVERBANK.
3/3/04



REMOVAL OF THE PORTIONS OF THE CONTAMINATED FILL WHERE LEAD COUNTS WERE 2000 PPM OR GREATER HAVE RESUMED. PREVENTATIVE CLOTHING IS BEING WORN. 3/3/04



VIEW OF EFFORTS TO KEEP DIAPERS UNDER ANY STATIONARY MACHINERY
WITH THE POTENTIAL TO DRIP. 3/3/04