

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 24, 2004

Inspector: Chuck Gidman

Location: Norwalk Substation Expansion

**Storm/
Rain Event** Approx 5.0” of snow fell 3/18-3/19 with a total of 0.51” of precipitation since the past inspection.

Areas of Inspection	Observation	Recommended Action
Access Roads	<p>-Work areas and access roads were somewhat muddy but the mud had been pushed to the side for the most part. The mud will be tested and taken off site. 3/24/04</p> <p>- The mud base is being pushed aside to improve working conditions. If it becomes necessary, mats should be used. 3/24/04</p> <p>-Sediment is beginning to build up in the gravel tracking pad however, New Canaan Avenue is still free of sediment 3/24/04</p>	<p>- None at this time. Continue to monitor. 1/15-3/24/04</p> <p>- None at this time. Continue to monitor. 3/24/04</p>
Foundation construction	<p>- Construction of the concrete retaining walls continues at this time. 3/3-3/24/04</p> <p>-The smaller excavation adjacent to the Route 7 ramp continues. This stockpile will not be here long. 3/12-3/24/04</p>	<p>- Continue to monitor any potential impacts to the silt fence during work. 1/22-3/24/04</p> <p>- The stockpile remains covered with plastic tarp to prevent any sedimentation to the roadway. 3/18-24/04</p>

Areas of Inspection	Observation	Recommended Action
	<ul style="list-style-type: none"> - Construction for foundations/footings for towers is also continuing. The area is well contained. 3/24/04 	<ul style="list-style-type: none"> - None at this time.
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p>	<ul style="list-style-type: none"> - The mud base has been pushed aside and plans are to have it tested and brought off site. 3/24/04 	<ul style="list-style-type: none"> - Overall the site continues to do well with no significant sedimentation or erosion issues. 1/22-3/24/04
	<ul style="list-style-type: none"> - Silt fence remains in place for the most part and is effectively preventing sediment from entering the river. 1/15-3/24/04 - One spot on the fence near the northerly end of the site requires immediate repair as it is not toed in and is located adjacent to a fill area. 3/24/04 	<ul style="list-style-type: none"> - Continue to monitor and maintain as needed. Some spots are very close to the river and will require the most monitoring. 1/15-3/24/04 - Keep up with silt fence repair as needed, and continue to be proactive 3/24/04
	<ul style="list-style-type: none"> - Topsoil is being stockpiled in large amounts and is contained by the outer barrier of silt fence at this time. However plans are to remove the major stockpile from site in the next week. 3/24/04 - Other stockpiles towards the center of site are being utilized and graded at this time 3/18-3/24/04 - A fill operation is ongoing at the northern end of the site but is well contained. 3/24/04 	<ul style="list-style-type: none"> - 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. 3/3-3/24/04 - This piles are separated from the outer silt fence line by the retaining walls. 3/18-3/24/04

Areas of Inspection	Observation	Recommended Action
<p>Erosion and Sediment Controls contd.</p>	<ul style="list-style-type: none"> - The side inlet swale to the basin had received some noticeable sedimentation as the haybale had been removed to allow drainage from the access road. 3/24/04 - The northern swale is dry and free of sediment at this time 3/24/04 	<ul style="list-style-type: none"> - The haybale “check dam” will be replaced at this inlet to prevent additional sedimentation 3/24/04 - Continue to monitor the basin and outlets for any sediment laden flows and repair and stabilize any noted erosion on the banks or swales 3/24/04
	<ul style="list-style-type: none"> - A concrete washout station has been set up as requested with a haybale corral, and it has been used appropriately. 3/12-3/24/04 - No new washouts were observed at this inspection 3/24/04 	<ul style="list-style-type: none"> - Continue to use a few fairly contained locations for all concrete washouts. An additional station should be set up in another location if necessary. 3/24/04 - The dried concrete is not a problem but washout water in liquid state is high in pH and can be corrosive.
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<ul style="list-style-type: none"> - The silt fence remains in place and it is effective in controlling the sediment on site. 1/22-3/24/04. - Riprap will be placed at the overflow culvert in the future and the catch basin sump and riser is being installed. 3/24/04 - One spot of silt fence near some fill near the riverbank requires repair and has to be toed in. 3/24/04 	<ul style="list-style-type: none"> - Continue to monitor and maintain silt fence as necessary and monitor any flow from the basin outlet. 1/22-3/24/04 - Monitor the riverbank as well and make repairs as necessary. Be ready to temporarily stabilize the bank with vegetation if necessary. Some vegetation growth was noted at this inspection. 3/24/04
<p>State species of concern, threatened and endangered species</p>	<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
<p>Vegetative clearing limits (including trees to save or danger trees noted)</p>	<ul style="list-style-type: none"> - The area on the riverbank side of the silt fence near the retaining wall has not been touched during the finalization 	<ul style="list-style-type: none"> - The areas near the river still appear stable. There are no serious erosion issues. 1/15-3/24/04

Areas of Inspection	Observation	Recommended Action
	<p>of the contours but revegetation may be necessary 3/12-3/24/04</p> <ul style="list-style-type: none"> - Some new growth of vegetation was noted near the riverbank at the time of inspection 3/24/04 - Roots and stumps are left in place here. 	<ul style="list-style-type: none"> - The more vegetation left in place at the river, the more stable the bank will be. - Temporary vegetative stabilization measures for the bank should be considered if it becomes apparent in the spring that there will be any bare spots. 3/3-3/24/04
Dewatering	<ul style="list-style-type: none"> - Dewatering activities are complete at this time. 3/24/04 	<ul style="list-style-type: none"> -No actions required at this time. 3/24/04
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.
Spills	<ul style="list-style-type: none"> - No spills were reported this week and no spills were observed during inspection 3/24/04 - Tracking pads/diapers have been placed under some of the equipment parked on site in an effort to reduce any drips. 2/20-3/24/04 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area - 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. - The practice of using “diapers” is highly encouraged for any vehicle or equipment with a known leak. - Report spills to the office immediately, even if they are being controlled.
	<ul style="list-style-type: none"> - The forecast calls for some 	<ul style="list-style-type: none"> - Continue to watch all areas

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Additional/Miscellaneous Observations	<p>rain showers over Friday night into the weekend. 3/24/04</p> <p>- Plans are ongoing to test the mud and soils of the stockpile and then to remove what is not needed from the site.</p> <p>-Areas of bulky waste were observed and it will either be removed or the boulders will be returned as fill when possible.</p>	<p>along the bank and provide additional enforcement if needed.</p>

Next likely scheduled inspection: Wednesday March 31, 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 Walden* for Chuck Gidman



THE VIEW OF THE GRAVEL TRACKING PAD NEAR NEW CANAAN AVE. SOME SEDIMENT IS BUILDING UP HERE BUT NO TRACKING IS OCCURRING TO THE ROAD. 3/24/04



VIEW OF SOME OF THE BULKY WASTE TO BE REMOVED FROM EXCAVATION AND BOULDERS TO BE BURIED. 3/24/04



VIEW OF EXCAVATION NEAR ROUTE 7 RAMP. THE STOCKPILE REMAINS AND IS COVERED WITH PLASTIC. 3/24/04



SWALE INTO THE DETENTION BASIN HAS RECEIVED SOME NOTICEABLE SEDIMENT FROM ACCESS ROAD RUNOFF. THE HAYBALE "CHECK DAM" WILL BE REPLACED. 3/24/04



A PORTION OF THE SILT FENCE WAS NOT TOED IN PROPERLY FOLLOWING WORK IN THE AREA. THIS WILL BE REPAIRED. 3/24/04



VIEW OF EXCAVATIONS AND FOOTINGS/FOUNDATIONS FOR TOWERS. THE AREA IS WELL CONTAINED. 3/18/04