

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: April 2, 2004

Inspector: Diana Walden

Location: Norwalk Substation Expansion

**Storm/
Rain Event** Approx 2.78” of rain fell over 3/31 to 4/01 however the totals may actually be higher based on other local estimates.

Areas of Inspection	Observation	Recommended Action
Access Roads	<ul style="list-style-type: none"> -Several inches of rain had created muddy conditions but the site was already beginning to dry out by the inspection. 4/2/04 - If it becomes necessary, mats should be used but equipment access is not hindered at this time. 4/2/04 -Sediment has built up in the gravel tracking pad however, New Canaan Avenue is still free of sediment 4/2/04 - The side slope of the access road off the Route 7 ramp has some slight erosion/gullyng. 4/2/04 	<ul style="list-style-type: none"> - None at this time. Continue to monitor. 4/2/04 - None at this time. Continue to monitor. 4/2/04 - Some stone may be placed here to support the road. 4/2/04
Foundation construction	<ul style="list-style-type: none"> - Construction of the foundation for retaining wall #1 continues in the center of the site. All wall and tower foundations are well controlled. Concrete was being poured at the time of 	<ul style="list-style-type: none"> - Continue to monitor. 4/2/04

Areas of Inspection	Observation	Recommended Action
	inspection. 4/2/04 -The smaller excavation adjacent to the Route 7 ramp continues while the conduit is developed. 3/12-4/2/04	- The stockpile remains covered with plastic tarp to prevent any sedimentation to the roadway. There was no movement even after the rains. 4/2/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The mud and topsoil will remain on site to be utilized. 4/2/04	- Overall the site continues to do well with no significant sedimentation or erosion issues. 1/22-4/2/04
	- Even after several inches of rain, in the previous week, the silt fence prevented any sedimentation from getting to the riverbank. 4/2/04 -The silt fence remains well in place and new fence was installed further along the right of way towards Bridge Street. 4/2/04	- Continue to monitor and maintain as needed. Some spots are very close to the river and will require the most monitoring. Everything held up very well through the rain. 4/2/04 - Keep up with silt fence repair as needed, and continue to be proactive 4/2/04
	- Topsoil is being stockpiled in large amounts and is contained by the outer barrier of silt fence at this time. The pile will no longer be moved but will have to be utilized on site as needed. 4/2/04 - A fill operation and foundation construction is ongoing at the center of the site but is well contained. 4/2/04	- The stockpile exhibited no signs of major erosion/gullyng or runoff or sedimentation from the rains. There were a few spots where some runoff had pooled at the fence but did not get to the river. The pile appears fairly stable but should continue to be monitored. 4/2/04 - These excavations are separated from the outer silt fence line by the retaining walls. 3/18-4/2/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls contd.	<ul style="list-style-type: none"> - The haybale had been replaced at the side inlet swale to the basin but the area is still experiencing some erosion at the swale. 4/2/04 - The basin was holding water from the storm and there was some minor gullying on slopes of the basin. The sediment and runoff is well contained however. 4/2/04 - A concrete washout station has been set up as requested with a haybale corral. 3/12-4/2/04 - No new washouts were observed at this inspection and the station was utilized by the truck on site at the time of inspection. 4/2/04 	<ul style="list-style-type: none"> - The basin is performing as anticipated and is holding runoff. If the erosion worsens it should be repaired. 4/2/04 - Continue to monitor the basin and outlets for any sediment laden flows and stabilize any significant erosion on the banks or swales 4/2/04 - Continue to use a few fairly contained locations for all concrete washouts. An additional station should be set up in another location if necessary. 4/2/04 - The dried concrete is not a problem but washout water in liquid state is high in pH and can be corrosive.
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. The large amounts of rain had no effect on the silt fence or river bank 4/2/04. - A few areas near the backfill behind the retaining wall had been seeded and mulched with straw. The rains did not cause any erosive gullies or slumping and the mulch and soil remained in place. 4/2/04 	<ul style="list-style-type: none"> - Continue to monitor and maintain silt fence as necessary and monitor any flow from the basin outlet. 1/22-4/2/04 - Continue to monitor the riverbank and make repairs as necessary. Be ready to temporarily stabilize the bank with vegetation if necessary. Increasing, natural vegetative growth is noted at each inspection. 4/2/04
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"> - The areas near the retaining wall and riverbank on the work side of the silt fence have been mulched and seeded 	<ul style="list-style-type: none"> - The areas near the river still appear stable. There are no serious erosion issues, even following the heavy rains

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	<p>and are in good shape. 4/2/04</p> <ul style="list-style-type: none"> - Some new growth of vegetation was noted near the riverbank at the time of inspection however it may be necessary to revegetate here if cover is not sufficient. 4/2/04 - Roots and stumps are left in place here. 	<p>4/2/04</p> <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. 3/3-4/2/04
Dewatering	<ul style="list-style-type: none"> - Dewatering activities are complete at this time. 4/2/04 	<ul style="list-style-type: none"> -No actions required at this time. 4/2/04
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. Some minor sheens from machinery drips were noted however. 4/2/04 - Tracking pads/diapers have been placed under some of the equipment parked on site in an effort to reduce any drips. 2/20-4/2/04 	<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 site held up extremely 	<ul style="list-style-type: none"> - Continue to watch all areas

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Additional/Miscellaneous Observations	<p>well despite the heavy rains with no sedimentation to the river or major erosion.</p> <p>-The areas of bulky waste observed will either be removed or the boulders will be returned as fill when possible.</p> <p>- A visit was also made to Plumtree this week to observe some minor surveillance equipment work, outside of the substation expansion activities and the Norwalk D&M plan. A small trench was excavated within the yard to connect some video surveillance equipment. The soil did not migrate and was kept entirely with the yard. The trench was open for less than two days and was almost backfilled at the time of inspection.</p>	along the bank and provide additional enforcement if needed.

Next likely scheduled inspection: Wednesday April 7, 2004 (by ChuckGidman)

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



VIEWS OF THE MULCHED AREA AND RIPRAP OUTLET AT THE RIVERBANK. THERE WAS NO EROSION, SEDIMENTATION OR DAMAGE DUE TO THE RAINS. 4/2/04



THE TEMPORARY SEDIMENT BASIN WAS RETAINING SOME WATER FOLLOWING SEVERAL INCHES OF RAIN. THE ENTIRE SITE HELD UP EXTREMELY WELL 4/2/04



THE RIVERBANK IS CLEAR OF SEDIMENT AND EROSION FOLLOWING THE HEAVY RAINS. VEGETATION WAS ALSO NOTED GROWING ON THE BANKS. 4/2/04





NEW FOUNDATIONS FOR RETAINING WALL #1 ON SITE. 4/2/04

THE AREA NEAR THE RETAINING WALL WAS MULCHED AND SEEDDED AND WAS EXPERIENCING NO GULLYING, EROSION, OR SEDIMENTATION FOLLOWING THE RAINS. 4/2/04



POURING CONCRETE FOR NEW FOUNDATIONS. THE TRUCK UTILIZED THE CONCRETE WASHOUT STATION DURING THE VISIT. 4/2/04



SILT FENCE WAS INSTALLED ALONG THE LENGTH OF THE RIGHT OF WAY ALMOST TO BRIDGE STREET IN ANTICIPATION OF FUTURE WORK. 4/2/04



SOME MINOR EROSION ON THE ACCESS ROAD SLOPE. IT WILL BE REINFORCED WITH STONE. 4/2/04



MINOR MAINTENANCE WORK AT THE PLUMTREE SUBSTATION FOR THE SURVEILLANCE SYSTEM. A SMALL TRENCH WAS DUG WITHIN THE YARD FOR CONDUIT INSTALLATION AND WAS FILLED WITHIN A DAY 4/2/04



THE TRENCH WAS ALMOST COMPLETELY BACKFILLED AT THE TIME OF THE VISIT AND WAS FILLED BY THE END OF THE DAY. NO SEDIMENTATION HAD OCCURRED. 4/2/04