

**Docket No. 272 – Development and Management Plan Inspection**

**The Connecticut Light and Power Company Certificate of Environmental Compatibility and Public Need for the construction of a new 345-kV electric transmission line and associated facilities between Scovill Rock Switching Station in Middletown and Norwalk Substation in Norwalk, Connecticut, including reconstruction of portions of existing 115-kV and 345-kV electric transmission line, the construction of Beseck Switching Station in Wallingford, East Devon Substation in Milford, (and Singer Substation in Bridgeport), modifications at Scovill Rock Switching Station and Norwalk Substation, and the reconfiguration of certain interconnections.**

**Segment 3 Underground Line**

**Date:** March 6, 2008

**Inspector:** Gregory Sommer

**Location:** East Devon Substation to the Housatonic River Crossing

**Rain Event:** 0.75” of precipitation was reported since the previous inspection with 0.29” recorded on 3/1 and 0.22” recorded on 3/4 and 3/5 (Bridgeport, CT NOAA data).

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Access Roads and Adjacent Roadways</b>	<p>Stone construction entrance remains in place near #1051 and #1080 but crews are no longer accessing this section of ROW 3/6/08</p> <p>A crushed-stone berm controlling sedimentation remains near the entrance to the Shelland Street lay-down yard. Minor tracking was observed. 3/6/08</p>	<p>Continue to monitor ROW. Responsibility should be coordinated with overhead contractors. 3/6/08</p> <p>Continue to monitor area and sweep roadway as necessary. Continue to refresh the stone in the entrance pad as needed. 2/27/08</p>	<p>Not Applicable (NA)</p> <p>NA at this time</p>
<b>Vault Openings and Trench Construction</b>	<p>Portions of Naugatuck Avenue were closed due to trenching activities at stations #1037-1038 and #1047-1048. Crews were also tying-in to the HDD conduit Housatonic River near station #999 (where UI and NU work meets). 3/6/08</p>	<p>None. 3/6/08</p>	<p>NA</p>
<b>Erosion and Sediment Controls</b>	<p>Filter fabric or filter socks remain in catch basins that are down-gradient of/adjacent to remaining areas of exposed soil. 3/6/08</p>	<p>Continue to place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 3/6/08</p>	<p>Needs regular attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Milford lay-down yard	Saw cutting slurry has the potential to enter catch basins. 3/6/08	Continue to prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated. 3/6/08	Needs regular attention.
	Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 3/6/08	Prevent dust migration by implementing dust control measures. If exposed soils are not to be worked within 21 days, they should be stabilized. 3/6/08	NA
	The soil on the slope near sta. #1049 (vault #3) which had been exposed (noted 7/5/07) remains temporarily stabilized with hard-pack and barrier controls (since 7/25/07). 3/6/08	Continue to monitor the area for run-off and erosion until it is permanently stabilized. 3/6/08	NA
	A paved berm remains at the top of the slope near sta. #1080 to proactively divert stormwater to a catch basin (noted 7/19/07). 3/6/08	Continue to monitor to ensure diverted stormwater does not affect neighboring properties. See vegetative clearing section for more details. 3/6/08	The slope needs final restoration. (Contractors will be working on a future plan)
	Stone berm and silt fence remain near the entrance to the yard. The area is partially vegetated and stable. A small section of silt fence is sagging but continues to function. Some sections of silt fence along the south side of the yard are also sagging 10/25/07-3/6/08	Monitor the effectiveness of existing controls. Remove accumulated sediment from the berm as necessary. Repair sagging sections of silt fence. 10/25/07-3/6/08	Needs attention when feasible.
A stone construction entrance is in place at the entrance to the Shelland Street yard and has been recently refreshed. 3/6/08	None. 3/6/08	NA	
Inland Wetland and Watercourse encroachment and	Inland Wetland resource areas are located near sta. #1012 to 1021, # 1051,	Monitor resource areas to ensure that non-permitted encroachment	NA

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>mitigation</b>	<b>and #1053. 3/6/08</b>	<b>or impacts do not occur. 3/6/08</b>	
<b>Staging, Storage, and Parking Areas</b>	<p>A contractor lay-down yard is located in Milford off of Shelland St. Stone is in place throughout the yard to reduce mud and subsequent tracking.</p> <p>A sizable amount of stockpiled gravel has been plowed beyond the concrete storage bins, likely during snow removal activities. 3/6/08</p>	<p>See Erosion Control and Spills and Material Storage sections for more details. Contain material within established storage area and limits of the yard.</p> <p>Now that the amount of material beyond the limits of the yard is more significant, consider removing the gravel now rather than during final restoration. 3/6/08</p>	<p>NA</p> <p>Needs evaluation</p>
<b>Soils</b>	<b>During active work, soils are exposed as part of the excavation for trench, vault, and utility work. 3/6/08</b>	<b>Soils appear to have been handled appropriately. Ensure any material stockpiles are contained. 3/6/08</b>	<b>NA</b>
<b>State species of concern, threatened and endangered species.</b>	<b>According to the D&amp;M plan, state-listed species are not located in this work area 3/6/08</b>	<b>None. 3/6/08</b>	<b>NA</b>
<b>Vegetative clearing (including trees to save or danger trees noted) or stabilization</b>	<p>Turf grass, hay mulch and the planted sapling remain at sta. #1049 (vault #3) in an effort to restore pre-construction conditions. 3/6/08</p> <p>The exposed soil along the slope near sta. #1080 has naturally vegetated (approximately 90% coverage). 3/6/08</p> <p>Some vegetation cover is in place over the exposed soils located outside of the Milford lay-down yard. The stone berm remains in place. 3/6/08</p>	<p>Continue to monitor turf grass for viability and permanently stabilize the mulched area. See erosion control section for more details. 3/6/08</p> <p>Coordinate final restoration plans with the landowner. 3/6/08</p> <p>Continue to monitor until exposed soils are permanently stabilized. 3/6/08</p>	<p>NA at this time</p> <p>Final restoration needed.</p> <p>Continue to monitor.</p>
<b>Dewatering</b>	<b>Dewatering was not observed at the time of the inspection. 3/6/08</b>	<b>None. If dewatering needs to occur, ensure that it is contained appropriately</b>	<b>NA at this time.</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
		and filtered as per the D&M plan. 3/6/08	
<b>Blasting</b>	No blasting has been proposed. 3/6/08	None 3/6/08	NA
<b>Spills and Material Storage</b>	<p>Reserve spill cleanup materials/kits were observed in the storage yard. 3/6/08</p> <p>Material (gravel) was overtopping the established storage bins, beyond the perimeter controls of the yard. (noted since 4/25/07) However, the amount of material is now much more sizable, likely due to snow plowing. 3/6/08</p> <p>Hydraulic jacking hammers were temporarily being stored along the roadway at the work area without secondary containment. 3/6/08</p>	<p>Continue to bring spill kits to active work sites. 3/6/08</p> <p>Previously, contractors stated the materials will be removed when the area is restored. However, due to the increase in amount of material, consider removing the pile sooner rather than waiting until yard restoration. 3/6/08</p> <p>When equipment containing hydraulic fluid needs to be temporarily stored on site, provide secondary containment, proactively. 3/6/08</p>	<p>NA</p> <p>Needs evaluation prior to restoration of the yard.</p> <p>Needs proactive attention.</p>
<b>Additional Observations</b>	<p>Horizontal directional drilling crew has been working in the area near #1015 to #1020 (vault #1) at the approach to the Housatonic River. Conduit was staged along the crushed stone used to backfill the Segment 3 trench, leading to the formation of ruts. 3/6/08</p> <p>The minor sediment accumulation remains along the shoulder of Caswell Street. (This tracking was determined not to be associated with this portion of the project). 12/31/07-3/6/08</p>	<p>Monitor area. See the waterway and railroad crossings underground report. Coordinate with HDD contractor over restoration responsibilities of this area when activities cease. 3/6/08</p> <p>Sediment appears to be related to the M/N overhead work. Responsibility for maintaining catch basin controls will need to be shifted to overhead crews. 11/15/07-3/6/08</p>	<p>NA at this time.</p> <p>Non-jurisdictional to this D&amp;M plan. See the 2B report.</p>

**Next likely scheduled  
inspection:**

**Thursday, March 13, 2008**

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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.

**Field Inspector:** Gregory Sommer, BSC Group

**Reviewer:** Diana Walden, BSC Group



**On the west side of the Housatonic River, crews were tying-in the HDD conduits to the existing vault at sta. #999.**



**On Naugatuck Avenue, near sta. #1037-1038, trenching was in progress.**



**A hydraulic jacking hammer was temporarily stored along the side of the road at the work site. Consider installing secondary containment, proactively.**



**Stockpiled material was pushed beyond the limits of the storage bins in the Shelland St yard, most likely during snow removal activities. Due to the increase in material, consider removing it at this time, rather than waiting until the restoration of the yard.**