

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: June 6, 2008

Inspector: Gregory Sommer

Location: East Devon Substation to the Housatonic River Crossing

Rain Event: 1.12” of precipitation was reported since the previous inspection, with 1.06” recorded on 6/4 (Bridgeport, CT NOAA data).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	A crushed-stone berm controlling sedimentation remains near the entrance to the Shelland Street lay-down yard. 6/6/08	Continue to monitor area and sweep roadway as necessary. See erosion control section. 6/6/08	Not applicable (NA)
Vault Openings and Trench Construction	Steel plates remained over the trench along Naugatuck Avenue at sta. #1029-1031. 6/6/08	None. 6/6/08	NA
	Area near sta. #1020 remains excavated to expose the conduit bank and connect/tie-in with the HDD work. 6/6/08	None. 6/6/08	NA
	Electrical contractor was pulling cable between vaults #2 and #3. 6/6/08	None. 6/6/08	NA
Erosion and Sediment Controls	Filter fabric or filter socks remain in catch basins that are down-gradient of/adjacent to remaining areas of exposed soil. 6/6/08	Continue to place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 6/6/08	Needs regular attention.
	Saw cutting slurry has the potential to enter catch basins. 6/6/08	Continue to prevent slurry from entering catch basins and sensitive areas, by quickly attending to it	Needs regular attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Milford lay-down yard</p>	<p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. Dust migration issues were not observed during this week's inspection. 6/6/08</p>	<p>as it is generated. 6/6/08 Prevent dust migration by implementing dust control measures. If exposed soils are not to be worked within 21 days, they should be stabilized. Water down the soils if needed. 6/6/08</p>	<p>Needs regular attention.</p>
	<p>Hay bales remain along the edge of the work zone near sta. #1015-1020 to protect the adjacent resource area. A small channel had formed in one area and remains lined with crushed stone. 6/6/08</p>	<p>Continue to monitor the area and refresh/ adjust erosion controls as necessary. Determine if the new stone solution will be effective for controlling run-off. 6/6/08</p>	<p>NA at this time- Continue to monitor</p>
	<p>Hay bales remain along the bank of the Housatonic River near sta. #1015. Excavation work is complete and the area is stable. The surface is waiting to be paved. 6/6/08</p>	<p>Continue to monitor the area for run-off and erosion until work is complete and the area has been permanently stabilized. Controls need to be in place until this time. 6/6/08</p>	<p>Continue to monitor.</p>
	<p>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). 6/6/08</p>	<p>Continue to monitor the area for run-off and erosion until it is permanently stabilized. 6/6/08</p>	<p>The slope needs final restoration. (Contractors will be working on a future plan)</p>
	<p>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). 6/6/08</p>	<p>Continue to monitor to ensure diverted storm-water does not affect neighboring properties. See vegetative clearing section for more details. 6/6/08</p>	<p>Continue to monitor.</p>
<p>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</p>	<p>Monitor the effectiveness of existing controls. Repair sagging sections of silt fence. 6/6/08</p>	<p>Needs attention when feasible.</p>	

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>continues to function. 6/6/08</p> <p>A stone construction pad is in place at the entrance to the Shelland Street yard. 6/6/08</p> <p>Frac tank washout water has been emptied in a pit excavated at the Shelland Street yard near the storage bins, in an effort to bind the material prior to disposal. A soil berm was used to contain the material, but a breach occurred and some of the water spilled over the surface of the yard. The stone check dam near the entrance to the yard effectively contained the material. 6/6/08</p>	<p>None. 6/6/08</p> <p>Remove accumulated material from behind the stone berm. Contain frac tank washout material within excavated area. Adjust controls as necessary. Remain aware of any capacity issues, especially due to the location of the pit at the perimeter of the yard. 6/6/08</p>	<p>NA</p> <p>Stone berm contained a breach. Needs attention.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Inland Wetland resource areas are located near sta. #1012 to 1021, #1051, and #1053. 6/6/08</p>	<p>Monitor resource areas to ensure that non-permitted encroachment or impacts do not occur. 6/6/08</p>	<p>NA</p>
<p>Staging, Storage, and Parking Areas</p>	<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. 6/6/08</p> <p>A sizable amount of stockpiled material has overtopped the concrete storage bins and spilled onto the adjacent silt fence. Contractor has stated they plan to remove the material prior to final restoration (since 3/6). Material has been removed from behind one of the bins, but remains in other areas. 5/8-6/6/08</p>	<p>See Erosion Control and Spills and Material Storage sections for more details. 6/6/08</p> <p>Contain material within established storage area and limits of the yard. Consider removing the remainder of the material that has been pushed beyond the limits of the yard now, rather than during final restoration. 3/6-6/6/08</p>	<p>NA</p> <p>Needs additional attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>A large pit was excavated with the Shelland Street yard near the storage bins to accommodate frac tank washout water. The excavated material was stockpiled along the side of the pit to create a containment berm. A breach occurred within the yard. 6/6/08</p>	<p>Contain frac tank washout material within excavated area. Adjust controls as necessary. Remain aware of capacity issues, especially since the pit is near the perimeter of the yard. See Erosion and Sediment Control section for more details. 6/6/08</p>	<p>NA</p>
<p>Soils</p>	<p>During active work, soils are exposed as part of the excavation for trench, vault, and utility work. 6/6/08</p>	<p>Soils appear to have been handled appropriately. Ensure any material stockpiles are contained. 6/6/08</p>	<p>NA</p>
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&M plan, state-listed species are not located in this work area. 6/6/08</p>	<p>None. 6/6/08</p>	<p>NA</p>
<p>Vegetative clearing (including trees to save or danger trees noted) or stabilization</p>	<p>Turf grass, hay mulch and the planted sapling remain at sta. #1049 (vault #3) in an effort to restore pre-construction conditions. 6/6/08</p> <p>The exposed soil along the slope near sta. #1080 has naturally vegetated (approximately 90% coverage). 6/6/08</p> <p>Some vegetative cover is in place over the exposed soils located outside of the Milford lay-down yard. The stone berm remains in place. 6/6/08</p>	<p>Continue to monitor turf grass for viability and permanently stabilize the mulched area. See erosion control section for more details. 6/6/08</p> <p>Coordinate final restoration plans with the landowner. 6/6/08</p> <p>Continue to monitor until exposed soils are permanently stabilized. 6/6/08</p>	<p>NA at this time</p> <p>Area is stable but final restoration is needed.</p> <p>Continue to monitor.</p>
<p>Dewatering</p>	<p>Dewatering was ongoing in the excavation near sta. #1020 following a recent rain event. Several of the frac tanks have been removed from the area and were cleaned and emptied at the Shelland Street Yard.</p>	<p>None. Continue to ensure dewatering discharge is contained appropriately and filtered as per the D&M plan. 6/6/08</p>	<p>Dewatering being performed with measures in place.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	6/6/08 Electrical contractor was appropriately discharging stormwater from vault #2 to facilitate work. 6/6/08	None. Continue to ensure dewatering discharge is contained appropriately and filtered as per the D&M plan. 6/6/08	Dewatering being performed appropriately.
Blasting	No blasting has been proposed. 6/6/08	None 6/6/08	NA
Spills and Material Storage	Reserve spill cleanup materials/kits were observed in the storage yard. 6/6/08 Stockpiled materials are overtopping the established storage bins, beyond the perimeter controls of the yard. (noted since 4/25/07) The amount of material has increased (since 3/6/08). Material has been removed from behind one of the bins, but remains in other areas. 5/8-6/6/08 A hydraulic jacking hammer was temporarily stored along the access drive near sta. #1020 without proactive secondary containment. 5/22-6/6/08	Continue to bring spill kits to active work sites. 6/6/08 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 material beyond the yard limits sooner rather than waiting until yard restoration. 3/6-6/6/08 When equipment containing hydraulic fluid needs to be temporarily stored on site, provide secondary containment, proactively. 5/22-6/6/08	NA Needs additional attention. Needs proactive attention.
Additional Observations	None. 6/6/08	None. 6/6/08	

Next likely scheduled inspection:

Thursday June 12, 2008

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



A pit has been excavated in the Shelland Street lay-down yard to accommodate frac tank cleanout material. The excavated material was piled to create a temporary berm. A breach occurred when the last tank was being emptied and some of the material spilled over the surface of the yard. The stone check dam near the entrance to the yard effectively contained the material. Continue to remain aware of any capacity issues, especially with the location of the pit near the yard's perimeter.



Electrical crews were pulling cable between vaults #2 and #3.



Trenching was on hold near sta. #1020 due to the recent rain event. The trench was being dewatered at the time of the inspection.