

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 4a Underground Line

Date: October 25, 2007

Inspector: Gregory Sommer

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: 1.72" of precipitation was reported since the previous inspection, with 1.54" of the total reported on 10/19 (Bridgeport, CT NOAA data).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	All work is within or adjacent to existing paved roadways at this time. 10/25/07	See erosion control section for details on sediment tracking. 10/25/07	Not Applicable (NA)
Vault Openings and Trench Construction Bridgeport	Construction/trenching activities and/or steel road plates were observed at the time of the inspection at sta.: #561-565, #650-651, #662-664, #666-668, #675, & #772. 10/25/07	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 10/25/07	NA
Erosion and Sediment Controls All active areas	Filter fabric or filter socks are installed in most catch basins adjacent to the construction activities. 10/25/07	Continue to place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 10/25/07	Most catch basins were protected. (proactively)
	Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 10/25/07	Prevent dust migration by regularly watering down exposed soils and sweeping immediately. If exposed soils are not to be worked within 30 days, they should be stabilized within 7 days of the last activity. 10/25/07	NA
	Slurry from saw cutting activities has the potential	Prevent slurry from entering catch basins and sensitive	Needs regular attention

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Fairfield	to enter catch basins. Issues were not observed this week. 10/25/07 Silt fence has been removed from the area near vault #37 (Fairfield Inn) and is approximately 90% vegetated. 10/25/07	areas by quickly attending to it as it is generated during cutting. 10/25/07 The area should be considered stabilized and removed from the report as 75% cover is typically. Considered stabilized. 10/25/07	Area is stable.
Bridgeport	Heavy sediment accumulation near sta. #695 (vault #42) was observed along the shoulder and sidewalk areas. The source of the accumulation was unknown, but may have resulted from the placement of a temporary stockpile in this area during a previous workday. 10/25/07 Accumulated sediment was previously observed along the roadway near sta. #790 and has since been swept and/or washed away. Storm water was being pumped from vault #48 to accommodate on-going electrical work. The water was being discharged onto the street and flowing into the down gradient catch basin which was not protected with controls. 10/25/07	Remove accumulated sediment and sweep roadway and sidewalk. Contain future temporary stockpiles and store materials within the work zone rather than public ways. Provide final stabilization measures at the vault as well. 10/25/07 Discharging accumulated water from utility vaults is covered under a CL&P permit and is considered to be primarily storm water/ runoff and therefore does not require treatment. However, catch basins should still be protected to remove sediment. 10/25/07	Needs attention. Catch basins need attention.
Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)	Perimeter controls remain in place at the yard. Dust migration and tracking were not an issue. 10/25/07	Implement dust control measures and sweep roadway as necessary. Continue to monitor and maintain controls as necessary. 10/25/07	NA.
Inland Wetland and Watercourse encroachment and mitigation	The Kings Highway lay-down yard is located adjacent to potential resource areas and a	See erosion control section. 10/25/07	NA

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	concrete lined waterway. 10/25/07		
Staging, Storage, and Parking Areas	A contractor storage yard on Bostwick Ave. contains frac tanks, trailers, and parking. Reserve spill kits are located near the equipment trailers. 10/25/07	Ensure that spill kits are also present with each vehicle during active construction, see Spills and Material Storage and Erosion Control sections. 10/25/07	NA
	A contractor lay-down yard is located off of Kings Highway near the Rt. 1 rotary. Reserve spill kits are located near the equipment trailers. 10/25/07	See Erosion Control and Spills and Material Storage sections. 10/25/07	NA
Soils	Soils are exposed as part of the excavation for trench, vault, and utility work. 10/25/07	Most areas are temporarily stabilized. Soils appear to be handled appropriately. 10/25/07	NA
	A small stockpile off Rt. 1 Pequot Ave. is contained and stable. 10/25/07	Continue to monitor and maintain controls as necessary. 10/25/07	NA
	Hay mulch remains over the exposed soils near sta.#695. 10/25/07	Permanent restoration efforts required in this area. 9/26-10/25/07	Temporary stabilization efforts were noted.
State species of concern, threatened and endangered species.	According to the D&M plan, state-listed species are not located in this work area.	None	NA
Vegetative clearing (including trees to save or danger trees noted) or stabilization	Vegetation continues to establish in the hydro-seeded areas at sta. #596 (vault #36) and sta. #612 (vault #37), and has reached 90% cover in some areas. 10/25/07	Continue to monitor until final stabilization is achieved. See erosion control section for more details on vault #37. 10/25/07	NA
	Soil/ hard pack remains exposed but contained near sta. #801 (vault #49). The area near sta. #680 (vault #41) has been paved, any additional stabilization	Continue to monitor and provide final stabilization when feasible. 10/25/07	The vault #41 area has been paved.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>will be performed by the Bridgeport Public Library. 10/25/07</p> <p>Two trees were removed near sta. #462 in accordance with the D&M Plan (3/27/07). One tree was removed near vault #42 (7/25/07). 10/25/07</p> <p>Grass/vegetation was growing in the area between Main St. & Broad St. but vehicles are now parking in this area and vegetation has not fully established. 10/25/07</p> <p>A portion of the trench work along Pequot Ave. has achieved final vegetative stabilization, while a portion remains un-vegetated but stable. 10/25/07</p> <p>A private yard next to vault #28 has been stabilized with seed and hay mulch (noted 6/13). Vehicles are frequently noted parking on seeded areas. Approximately 70% vegetative growth was noted. 10/25/07</p>	<p>Vegetation should be restored as necessary upon completion of work in these areas. 10/25/07</p> <p>Permanently stabilize exposed area when feasible. 10/25/07</p> <p>Permanently stabilize remaining exposed area when feasible. 10/25/07</p> <p>Continue to monitor to ensure adequate establishment of vegetation. 10/18/07</p>	<p>NA</p> <p>Needs attention when feasible.</p> <p>NA</p> <p>NA</p>
Dewatering	<p>Dewatering activities were observed at sta.#792 during the inspection. 10/25/07</p> <p>Dewatering was also occurring at (completed) vault #48 in order to perform electrical work. This is essentially stormwater that has collected in the vault but it is being released to unprotected catch basins. 10/25/07</p>	<p>Continue to properly contain and/or filter discharge water when dewatering is required. 10/25/07</p> <p>Protect catch basins with controls in order to reduce any potential sedimentation. 10/25/07</p>	<p>NA</p> <p>Catch basins need attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Blasting	No blasting has been proposed. 10/25/07	None 10/25/07	NA
Spills and Material Storage	<p>Spill cleanup materials/kits were observed in the storage yards. 10/25/07</p> <p>The small concrete washout area has been cleaned and removed near the trench work at sta. #771-#772. 10/25/07</p> <p>The concrete slurry materials had been removed from the designated, contained area in the King's Highway yard and disposed of. 10/25/07</p>	<p>Ensure that spill kits are also present with each vehicle during active construction 10/25/07</p> <p>Future concrete washouts should continue to be performed in designated and contained areas. 10/25/07</p> <p>Future concrete washouts should continue to be performed in designated and contained areas. 10/25/07</p>	<p>NA</p> <p>Washout area has been cleaned and removed.</p> <p>Washout materials have been cleaned and removed.</p>
Additional Observations	The downgradient catch basins near the storage yard at Railroad Ave. and Myrtle Ave., associated with the Glenbrook Cable project remain protected with silt sacks. Heavy sediment tracking was evident along the roadway. 10/25/07	Noted for the record since a portion of the project route overlaps this area. This yard is not jurisdictional to the M/N project. 10/25/07	NA

Next likely scheduled inspection:

Thursday, November 1, 2007

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



Heavy sediment accumulation near sta. #695 (vault #42) was observed along the shoulder and sidewalk areas. The source of the accumulation was unclear but may have been generated by the placement of a temporary stockpile in this area during a previous workday. Sweep roadway and provide permanent restoration efforts in this area.



Heavy sediment tracking was evident along the roadway near the storage yard at Railroad Ave. and Myrtle Ave., associated with the Glenbrook Cable project. The down gradient catch basins remain protected with silt sacks. Although this area overlaps the M/N project route, it is not M/N project related.



Trenching and backfill work continues near sta. #771-#772.