

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 18, 2007

Inspector: Gregory Sommer

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: 0.65" of precipitation was reported since the previous inspection, with 0.60" of the total reported on 10/11 (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. 10/18/07	See erosion control section. 10/18/07	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.: #561-564, #653-659, #662-663, #666-669, #673, #681, #695-696, & #772. 10/18/07	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 10/18/07	NA
Fairfield	Construction/trenching activities and/or steel road plates were observed at the time of the inspection at sta.: #461-#464, and #494. 10/18/07	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 10/18/07	NA
Erosion and Sediment Controls All active areas	Filter fabric or filter socks are installed in most catch basins adjacent to the construction activities. 10/18/07	Continue to place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 10/18/07	Most catch basins were protected. (proactively)

Areas of Inspection	Observation	Recommended Action	Corrected Action
Fairfield	<p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 10/18/07</p>	<p>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. 10/18/07</p>	<p>NA</p>
	<p>Slurry from saw cutting activities has the potential to enter catch basins. Issues were not observed this week. 10/18/07</p>	<p>Prevent slurry from entering catch basins and sensitive areas by quickly attending to it as it is generated during cutting. 10/18/07</p>	<p>Needs regular attention</p>
	<p>A small portion of soil remains exposed as a result of silt fence removal at vault #37 (near Fairfield Inn). 8/21-9/26/07. The vehicle ruts in the grass along the roadway shoulder remain temporarily stabilized with mulch. 10/18/07</p>	<p>Stabilize any remaining exposed soils with seed and mulch to prevent sediment migration. Continue to monitor until final stabilization is achieved. Areas adjacent to the road may need more structural stabilization. 10/18/07</p>	<p>NA</p>
Bridgeport	<p>Accumulated sediment was observed along the roadway near sta. #790. Several weeks ago, runoff was being generated from vault work, but the source of the sediment was unclear. The down gradient catch basin was not protected with controls. 10/11-10/18/07</p>	<p>Sweep roadway as necessary, catch basin should be protected with a gutter buddy (or similar) to prevent sediment from entering basin. Runoff or dewatering from future vault work activities should be contained. 10/18/07</p>	<p>Needs evaluation</p>
Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)	<p>Perimeter controls remain in place at the yard. Dust migration may become an issue. 10/18/07</p>	<p>Implement dust control measures and sweep roadway as necessary. Continue to monitor and maintain controls as necessary. 10/18/07</p>	<p>NA.</p>
Inland Wetland and Watercourse encroachment and mitigation	<p>The Kings Highway lay-down yard is located adjacent to potential resource areas and a concrete lined waterway. 10/18/07</p>	<p>See erosion control section. 10/18/07</p>	<p>NA</p>

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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. 10/18/07	Ensure that spill kits are also present with each vehicle during active construction, see Spills and Material Storage and Erosion Control sections. 10/18/07	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. 10/18/07	See Erosion Control and Spills and Material Storage sections. 10/18/07	NA
Soils	Soils are exposed as part of the excavation for trench, vault, and utility work. 10/18/07	Most areas are temporarily stabilized. Soils appear to be handled appropriately. 10/18/07	NA
	A small stockpile off Rt. 1 Pequot Ave. is contained and stable. 10/18/07	Continue to monitor and maintain controls as necessary. 10/18/07	NA
	Hay mulch has been applied to the exposed soils near sta.#695. 10/18/07	Continue to monitor for permanent restoration efforts and final stabilization. 10/18/07	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 75% cover in some areas. 10/18/07	Continue to monitor until final stabilization is achieved. See erosion control section for more details on vault #37. 10/18/07	Grass cover is increasing.
	Soil/ hard pack remains exposed but contained near sta. #471 (vault #28), sta. #680 (vault #41), & sta. #801 (vault #49). 10/18/07	Continue to monitor and provide final stabilization when feasible. 10/18/07	NA
	Two trees were removed	Vegetation should be	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>near sta. #462 in accordance with the D&M Plan (3/27/07). One tree was removed near vault #42 (7/25/07). 10/18/07</p> <p>Grass/vegetation was growing in the area between Main St. & Broad St. but vehicles continue to park in this area and vegetation has not fully established. 10/11-10/18/07</p> <p>A portion of the trench work along Pequot Ave. has achieved final vegetative stabilization, while a portion remains un-vegetated but stable. 10/18/07</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. 10/18/07</p>	<p>restored as necessary upon completion of work in these areas. 10/18/07</p> <p>Permanently stabilize exposed area when feasible. 10/18/07</p> <p>Permanently stabilize remaining exposed area when feasible. 10/18/07</p> <p>Continue to monitor to ensure adequate establishment of vegetation. 10/18/07</p>	<p>Needs attention when feasible.</p> <p>NA</p> <p>NA</p>
Dewatering	Dewatering activities were not observed during the inspection. 10/18/07	Continue to properly contain and/or filter discharge water when dewatering is required. 10/18/07	NA
Blasting	No blasting has been proposed. 10/18/07	None 10/18/07	NA
Spills and Material Storage	<p>Spill cleanup materials/kits were observed in the storage yards. 10/18/07</p> <p>A small, designated concrete washout area was observed again near the trench work at sta.</p>	<p>Ensure that spill kits are also present with each vehicle during active construction 10/18/07</p> <p>Concrete washout materials should eventually be properly removed and disposed of.</p>	<p>NA</p> <p>Concrete washouts were performed in a designated area.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>#771-#772. The material was currently contained. 10/18/07</p> <p>Concrete slurry washout had been performed within a designated, contained stone stockpile area in the King's Highway yard. 10/18/07</p>	<p>Continue to perform future washouts in designated, contained areas. 10/18/07</p> <p>Concrete washout materials should eventually be properly removed and disposed of. 10/18/07</p>	<p>Concrete washouts were performed in a designated area.</p>
<p>Additional Observations</p>	<p>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. 10/18/07</p>	<p>Noted for the record since a portion of the project route overlaps this area. This yard is not jurisdictional to the M/N project. 10/18/07</p>	<p>NA</p>

Next likely scheduled inspection: Thursday October 25, 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



Concrete slurry washout had been performed within a contained stone stockpile area in the Kings Highway lay-down yard. Eventually, the material should be removed and properly disposed of.



Hay mulch has been applied over the exposed soils near sta. #695. Permanent restoration efforts will be necessary in this area.



Trenching and backfill work continues near sta. #771-#772 (left). A small, designated concrete washout area was observed near sta. #771-#772 (right). The area was contained, but the slurry eventually needs be removed and properly disposed of.

