

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: July 17, 2008

Inspector: Gregory Sommer & Lennox Keen

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: 0.58" of precipitation was reported since the previous inspection, with the largest event of 0.58" recorded on 7/14 (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. 7/17/08	See erosion control section for details on sediment tracking. 7/17/08	Not Applicable (NA)
Vault Openings and Trench Construction	Construction activities and/or steel road plates were observed at the time of the inspection include active trenching near sta #468-469. 7/17/08	Continue to monitor areas. Mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 7/17/08	Needs regular attention.
	Vault surface restoration underway at several locations including vaults 33 & 35. 7/17/08	Continue to sweep roadways as soon as feasible. 7/17/08	NA
	The electrical contractor was on-site performing work at sta. #627. 7/17/08	None. 7/17/08	NA
Erosion and Sediment Controls All active areas	Controls were removed from catch basins on state routes per the request of ConnDOT to improve drainage during winter conditions. Contractor plans to discontinue use of controls for the duration of the project	Since controls are no longer in place in the catch basins, attend to all sediment at the source and stabilize exposed soils as quickly as possible. Clean catch basins as necessary. CB controls should still be	Needs regular attention.

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Fairfield	and clean basins as necessary. 7/17/08	considered when work is adjacent. 7/17/08	
	Slurry from saw cutting activities has the potential to enter catch basins. 7/17/08	Prevent slurry from entering catch basins and sensitive areas by quickly attending to it as it is generated during cutting. 7/17/08	Needs regular attention.
	Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 7/17/08	Prevent dust migration by regularly watering down exposed soils and sweeping immediately. If exposed soils are not to be worked within 21 days, they should be stabilized within 7 days of the last activity. 7/17/08	NA
	Temporary pavement and bituminous and/or crushed stone curbing remains near sta. #462-464 and #502-503. 7/17/08	Continue to monitor the area. Sweep roadways as necessary to minimize tracking. 7/17/08	NA at this time.
Bridgeport	Trenching has been completed near sta. #465. A large sloped area of exposed soil remains near the bridge abutment. Silt fence has been installed at the base of the slope since last week. 7/17/08	Continue to monitor the area. Continue to sweep roadways as necessary to minimize tracking. Clean the catch basin due to observed run-off from previous weeks. 7/17/08	Silt fence was installed. Catch basin will also need attention.
	<p>The work area near the intersection of Railroad Ave and Fairfield Ave (sta. #719-720) has been backfilled with process material. Cones were placed to prevent vehicle from pulling off road and creating ruts. However, minor tracking was observed near the edge of the trench. 6/20-7/17/08</p> <p>Some ruts were observed along the shoulder of Railroad Ave between Hancock Ave. and</p>	<p>Continue to monitor and provide final cover/restoration when feasible. Sweep roadway as necessary to remove sediment from the roadway. 7/17/08</p> <p>Refresh/add gravel or hard-pack along the shoulders of the roadway in this area to reduce the potential for</p>	<p>Needs attention.</p> <p><i>The city of Bridgeport is concerned about any areas of tracking along Railroad Ave and crews should be sweeping this area.</i></p> <p><i>The city of Bridgeport is concerned about the condition here and crews were being requested to evaluate</i></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)</p>	<p>Howard Ave. (sta #737) likely due to regular traffic, not construction vehicles. This area remains backfilled with hard-pack but may need to be refreshed. 2/7-7/17/08</p> <p>Perimeter controls remain in place. Crushed stone has been spread in several areas throughout the yard to reduce tracking. Calcium chloride was previously spread and a water truck was onsite. Dust issues were not observed at the time of the inspection. Minor sediment tracking was still observed. 7/17/08</p> <p>Washout water from cleaning the frac tanks was dumped into the material stockpile to bind together prior to disposal. A soil berm remains in place to provide containment. 7/17/08</p>	<p>rutting and tracking. Continue to monitor so crews can address specific problem areas as they arise. 1/31- 7/17/08</p> <p>Continue to monitor and maintain controls as necessary. Maintain crushed stone throughout the yard to reduce the potential for tracking dust migration, and limit the amount of material piled near controls. Apply water over the surface of the yard as necessary to control dust migration. 7/17/08</p> <p>Continue to monitor the containment area and reinforce the soil berm as necessary. Continue to ensure appropriate capacity. 7/17/08</p>	<p><i>this area.</i></p> <p>Calcium chloride has been applied to control dust. Needs regular attention.</p> <p>Continue to monitor.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>The Kings Highway lay-down yard is located adjacent to potential resource areas and a concrete lined waterway. 7/17/08</p>	<p>See Erosion and Sediment Controls section. 7/17/08</p>	<p>NA</p>
<p>Staging, Storage, and Parking Areas</p>	<p>A contractor lay-down yard is located off of Kings Highway near the Rt. 1 rotary. This is being used for both 4a and 4b activities. Reserve spill kits are located near the equipment trailers. Additional soil and debris material has been mixed with the previously sorted railroad tie debris. A tarp remains over this</p>	<p>See Erosion and Sediment Controls section for more information. Watch encroachment of materials beyond the perimeter controls in the yard. 7/17/08</p>	<p>NA</p>

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	<p>stockpile. Frac tank washout water is being contained here as well. 7/17/08</p>		
<p>Soils</p>	<p>Soils are exposed as part of the excavation for trench, vault, and utility work. 7/17/08</p> <p>An area of exposed soil remains near sta. #596 (vault #36) near the new sidewalk and parking lot. 3/13-7/17/08</p> <p>An area of exposed soil is adjacent to the work zone near sta. #649-650. Sediment tracking was not observed this week. A temporary sidewalk is in place. 7/17/08</p>	<p>Most areas are temporarily stabilized. Soils appear to be handled appropriately. 7/17/08</p> <p>Re-grade and appropriately restore the area. 3/13-7/17/08</p> <p>Work is complete in this area. Stabilize and seed the area when feasible. 7/17/08</p>	<p>NA</p> <p>Needs attention.</p> <p>Needs attention when feasible. Continue to monitor.</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. 7/17/08</p>	<p>None. 7/17/08</p>	<p>NA</p>
<p>Vegetative clearing (including trees to save or danger trees noted) or stabilization</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). 7/17/08</p>	<p>Vegetation should be restored as necessary upon completion of work in these areas. 7/17/08</p>	<p>NA</p>
<p>Dewatering</p>	<p>Dewatering was observed at sta. #468-469 during this week's inspection. A vac truck was on site to contain the water. 7/17/08</p>	<p>Continue to properly contain and/or filter discharge water when dewatering is required. Consider proactive controls in adjacent catch basins when dewatering is scheduled. 7/17/08</p>	<p>NA</p>
<p>Spills and Material Storage</p>	<p>Spill cleanup materials/kits were observed in the storage yards. 7/17/08</p> <p>Last week the electrical contractor was observed</p>	<p>Ensure that spill kits are also present with each vehicle during active construction 7/17/08</p> <p>When discharging clean stormwater from the</p>	<p>NA</p> <p>Needs attention for future vault</p>

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	discharging stormwater from inside the vault near sta. #627. The water contained a minor amount of sediment which was being discharged over the roadway which was then being tracked by vehicle traffic. 7/17/08	vaults use hoses to direct the water into the nearest catch basin and reduce the potential for tracking. If water is turbid, additional controls are necessary. 7/17/08	dewatering activities.
Additional Observations	Sidewalk restoration work was underway near sta. #457. Crews were observed sweeping the area. 7/17/08	None. 7/17/08	NA

Next likely scheduled inspection: Friday July 25, 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 & Lennox Keen, BSC Group

Reviewer: Diana Walden, BSC Group



Trenching work is complete near sta. #465. Silt fence has been installed along the curbline. Soil has been stockpiled against the fabric which is stressing it and causing it to rip in some areas.



Trenching continues near sta. #468. A vac truck was on site to dewater the trench. Conduit was also being installed in some areas.



Debris pile in the Kings Highway yard has grown considerably since the previous inspection. Continue to keep material contained until it can be removed.



Frac tank washout water has been emptied into a containment area within the Kings Highway laydown yard. The soil berm was adequately containing the material in preparation for disposal.