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.

Underground Line Watercourse and Railroad Crossings

Date: October 25, 2007

Inspector: Gregory Sommer

Location: Crossings of Watercourses and Railroads in Segments 3, 4a and 4b

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

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	A stone construction entrance is in place at the access to the staging area on the east side of the Saugatuck River. The entrance is accessed from the paved parking area off of Imperial Ave. Sediment tracking was observed, but it was limited to the parking lot area. 10/18-10/25/07	Continue to maintain construction entrance to reduce sediment migration from the work area. Sweep the parking lot and area as necessary. 10/18-10/25/07	Needs regular attention.
	On the west side of the river, Lincoln St. has been closed off and conduit was being staged here. 10/25/07	None. 10/25/07	Not Applicable (NA)
Vault Openings and Trench Construction	Work on the Horizontal Directional Drill (HDD) between vault #14 to vault #15 under the Saugatuck River continues. Crews were preparing and fusing conduit sections for the pull. Other crews continue minor clean-up efforts in various locations within the river preparing for the conduit pull. 10/25/07	Continue to monitor carefully for drilling fluid releases and continue to address as specified in the monitoring plan provided in the D&M. Contractors have been monitoring pressure and making regular visual inspections in the river. 10/25/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Erosion and Sediment Controls	**No catch basins were observed to be down-gradient of/adjacent to areas of exposed soil. 10/25/07**	**Place a gutter buddy (or similar) in any catch basins located down gradient of exposed soils to prevent sediment from entering basin. 10/25/07**	**NA**
	Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. Special attention should be given to the east side staging area as the majority of the area is an exposed dirt surface and residences are nearby. 10/25/07	**Prevent dust migration by implementing the dust control measures. If exposed soils are not to be worked within 30 days, they should be stabilized. 10/25/07**	**NA**
	Silt fence is in place and has now been properly toed-in at the perimeter of the staging area on the west bank of the river. 10/25/07	**Continue to monitor and maintain the controls. 10/18/07**	**Silt fence has been properly toed-in.**
	Silt fence is also in place at the staging area on the east bank of the river. However the drilling fluid return and recycling pits appear to have been expanded and the silt fence no longer encompasses the entire area. 10/18-10/25/07	**Adjust/extend controls to fully encompass the drilling fluid return and recycling pits. Continue to monitor and maintain the controls. Identify areas of potential high flow or run-off and reinforce controls when necessary. 10/18-10/25/07**	**Needs attention.**
Inland Wetland and Watercourse encroachment and mitigation	**The currently active portion of the project consists of the watercourse crossing of the Saugatuck River and associated wetlands in Westport. Final clean up of the bore and adjacent areas were occurring prior to the conduit pull. 10/25/07**	**Continue to implement the approved monitoring plan for the crossing of the Saugatuck River provided in the D&M plan in order to avoid impacts to the resource areas. 10/25/07**	**NA**
Staging, Storage, and Parking Areas	**A staging area has been established on either side**	**See erosion control section for more details.**	**NA at this time.**

Areas of Inspection	Observation	Recommended Action	Corrected Action
	of the Saugatuck River to accommodate the HDD activities. On the east side of the river, the staging area is within a gravel parking area. On the west side, staging is within a paved parking lot of a church. 10/25/07	**Contractors have stated the materials will be removed when the yard is restored. Contain all material within the established limits of both yards. 10/25/07**	
	A bentonite clay reclamation/ recycling machine, used to separate bentonite clay from the soil is set-up within the staging area on the east side of the river. Bentonite reclamation activities were adequately contained. Sediment tracking was heavy but limited to the parking lot area. 10/25/07	**Continue to monitor area for sediment tracking, sweep parking lot/ roadway as necessary. Minimize vehicle traffic in the staging area when feasible. 10/25/07**	**Needs regular attention.**
	On the east side of the river, several hoses are being used in the HDD operation and are located outside of the contained, silt fence limits of the staging area. Hoses also appear to be placed under the silt fence at one point. 10/25/07	**Wherever feasible, relocate hoses within the staging area, using the silt fence to protect surrounding areas from potential spills or leaks. Also, when hoses need to leave the contained area, construct forked or Y-shaped stakes to prop the hoses over the silt fence rather than under the controls. 10/25/07**	**Needs attention and evaluation.**
Soils	**Soils are exposed as part of the drill set-up and excavation. Drilling slurry (bentonite clay) is used in the process. 10/25/07**	**Soils appear to be handled appropriately. Monitor for dust as previously indicated. 10/25/07**	**NA**
	The drilling pit within the east side staging yard appears to have been recently enlarged, possibly due to the soil along the walls sloughing off into the pit. The pit appears to be adequately sized for receiving drilling slurry. 10/18-10/25/07	**Continue to monitor the amount of slurry in relation to the size of the pit to ensure adequate storage capacity. Also consider impacts from future storm events and run-off. Use caution to prevent drilling fluid from splashing out of the**	**Requires regular attention and monitoring.**

Areas of Inspection	Observation	Recommended Action	Corrected Action
		pit and beyond the controlled limits of the yard. 10/25/07	
	The drill bore is being cleaned up in preparation for the conduit pull. Sediment and bentonite is being pumped from the bore as well as cleanup areas. Material is sent to a haybale corral to filter out water. Sediment is removed by vac truck. 10/25/07	Sediment appears to be handled appropriately. 10/25/07	Material is contained.
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	A row of hedges/shrubs was removed from the west side of the river near sta. #235+75. This area was not specifically marked with a note for clearing on the 4/5/07 revised version of the D&M Plan 9/18-10/25/07	Re-establish removed vegetation when feasible or confirm removal with the CSC if not approved by the D&M Plan. If the removal is included on a more recent revision of the D&M, restore vegetation as indicated when work is complete. 10/25/07	Needs evaluation/ confirmation.
	Shrubs were removed last week from the west side of the river near sta. #234+50. This area does appear to be part of the section marked with a note for clearing on the 4/5/07 D&M Plan 10/25/07	When work is completed, restore the area as indicated in the D&M plan. 10/18/07	NA at this time
Dewatering	Sediment and clay were being pumped from the bore/river bottom in preparation for the conduit pull. The material was being placed in a haybale corral so that water could filter out before the remaining material was removed by vac truck. 10/25/07	Continue to ensure that material is contained appropriately and treated according to the groundwater handling plan as referenced in the D&M. 10/25/07	NA

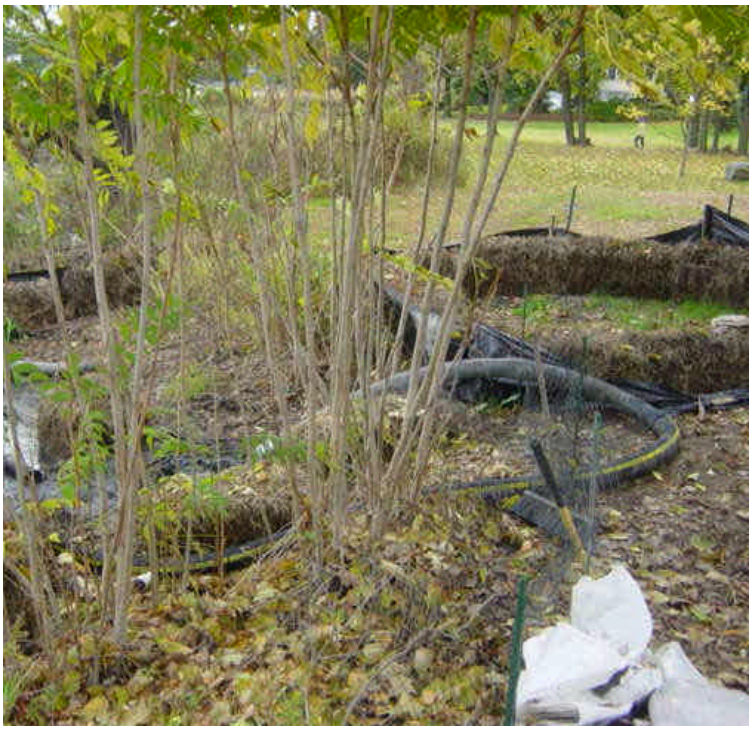
Areas of Inspection	Observation	Recommended Action	Corrected Action
Blasting	**No blasting has been proposed. 10/25/07**	**None 10/25/07**	**NA**
Spills and Material Storage	**Reserve spill cleanup materials/kits were observed in the staging area. 10/25/07**	**Continue to bring spill kits to active work sites. 10/25/07**	**NA**
Additional Observations	**None. 10/25/07**	**None. 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*



View of haybale filtering/dewatering area on the west side of the Saugatuck River. Pumped material is discharged into this area filter out the water, so that the remaining sediment and bentonite can be placed into the vac trucks for disposal.

On the west side of the river, Lincoln St. has been closed off and conduit sections were being staged and fused together.

On the east side of the river, several hoses are being used in the HDD operation and are located outside of the contained, silt fenced limits of the staging area. Relocate hoses within the staging area to whenever feasible and construct forked (Y) stakes to prop hoses over the perimeter controls when necessary.

Some tracking was evident near the entrance to the staging area on the east side of the river, but was limited to the parking lot

Photos by BSC Group