

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: January 24, 2008

Inspector: Gregory Sommer

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

Rain Event: 0.34" of precipitation was reported since the previous inspection, all of which was recorded on 1/18 (Bridgeport, CT NOAA data).

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
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| Access Roads and Adjacent Roadways Saugatuck River | On the east side of the Saugatuck River, the stone construction entrance to the adjacent paved parking lot off Imperial Ave. remains in good shape. Sediment tracking was not an issue. The bituminous curb near the access driveway has been damaged by heavy truck traffic. 1/24/08 | Continue to maintain construction entrance to reduce sediment migration from the work area. Continue to sweep the parking lot area as necessary. Repair damaged curbing when work is complete. 1/24/08 | Continue to monitor. |
| Ash Creek | On the west side of the Saugatuck River, minor amounts of sediment remain along the shoulder of Lincoln Street. 1/24/08 | Continue to sweep the roadway and reinforce control measures in this area as needed to minimize sedimentation. 1/24/08 | Needs regular attention |
| Ash Creek | A temporary work zone has been set-up along the south side of Post Road/Fairfield Avenue as crews continue HDD. A bentonite reclamation machine and drilling rig were on-site within the protected work zone. 1/24/08 | Continue to monitor for tracking or slurry residue. See Erosion and Sediment Controls section for more details. 1/24/08 | Not Applicable (NA) |
| Housatonic River | A temporary staging area is in place on the west side of the Housatonic | Continue to monitor for tracking or slurry residue. See Erosion and Sediment | NA |

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| | <p>observed over the surface of the parking lot near the southwest corner of the staging area. 1/24/08</p> <p>On the east side of the river, the dirt berm around the drilling pit remains mulched, and hay bales were in place between the berm and the river. These sedimentation control measures appeared to be functioning properly. 1/24/08</p> <p>A line of haybales remains in place along the eastern bank of the river. An area of run-off/slurry remains adjacent to the drill shaft, and trailer (since 12/21). A larger volume of slurry material was covering the paved area near the western portion of the work zone. Crews appeared to be attending to the large area of drilling slurry with vac trucks. 1/24/08</p> <p>On the east side of the Housatonic River, the dirt berm located adjacent to a resource area on the western side of the staging area remains mulched. However, there are no other controls between the berm and the resource area. 12/21-1/24/08</p> | <p>where incidental spills may have occurred due to construction activities. 1/24/08</p> <p>Continue to monitor the area. Replace/secure controls as needed. 1/24/08</p> <p>Continue to maintain controls to provide complete coverage and containment of the area. While the spilled slurry is currently contained, continue to remove it from the work area to avoid unnecessary impact or potential tracking. 1/24/08</p> <p>Add controls if necessary. Permanently stabilize area when feasible. 12/21-1/24/08</p> | <p>Continue to monitor</p> <p>Crews were attending to some of the slurry with vac trucks.</p> <p>The area was mulched but controls may still be needed.</p> |
| <p>Inland Wetland and Watercourse encroachment and mitigation</p> | <p>The HDD of the Saugatuck River and associated wetlands in Westport is nearing completion. Booms remain in the river to contain materials from previous</p> | <p>Continue to implement the approved monitoring plan for the crossing of the Saugatuck River provided in the D&M plan. 1/24/08</p> | <p>NA</p> |

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| | <p>frac-outs. 1/24/08</p> <p>The HDD of Ash Creek and associated wetlands in Fairfield and Bridgeport continues. 1/24/08</p> <p>The HDD of the Housatonic River and associated wetlands in Stratford and Milford continues. 1/24/08</p> <p>On the east side of the Housatonic River, the berm along the west side of the staging area has been mulched but there are no other controls between it and the adjacent resource area. 1/24/08</p> | <p>Continue to implement the approved monitoring plan for the crossing of Ash Creek provided in the D&M plan 1/24/08</p> <p>Continue to implement the approved monitoring plan for the crossing of the Housatonic provided in the D&M plan. 1/24/08</p> <p>Install erosion control measures between the dirt berm and the adjacent resource area if needed. See erosion controls section for more details. 1/24/08</p> | <p>NA</p> <p>NA</p> <p>The berm was mulched, but additional controls may still be needed.</p> |
| <p>Staging, Storage, and Parking Areas Saugatuck River</p> <p>Ash Creek</p> | <p>A staging area remains on either side 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 now in the street beside the church parking lot. 1/24/08</p> <p>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 (since 10/25) The contractor states a natural berm here will provide additional containment. 1/24/08</p> <p>A temporary work zone has been set-up along Post Road/ Fairfield</p> | <p>See erosion control section for more details. Materials are now too extensive to contain in the yard on the west side. 1/24/08</p> <p>Wherever feasible, relocate hoses within the staging area, using the silt fence to protect surrounding areas from potential spills or leaks. 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. 10/25/07-1/24/08</p> <p>See erosion control section for more details. Contain all material within</p> | <p>NA at this time.</p> <p>Continue to monitor and evaluate.</p> <p>NA at this time.</p> |

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| <p>Housatonic River</p> | <p>Avenue on both sides of Ash Creek. 1/24/08</p> <p>A staging area remains within a paved parking lot behind a plaza on the west side of the Housatonic River for the HDD activities. A drill pit/work area is also located to the east of the River within a paved access. 1/24/08</p> | <p>the established limits of work zone. 1/24/08</p> <p>Contain all material within the established limits of work zone. Further containment and planning may be necessary here. See erosion control and spills/material storage sections for more details. 1/24/08</p> | <p>Continue to monitor.</p> |
| <p>Soils</p> | <p>Soils are exposed as part of the drill set-up and excavations at each HDD. Drilling slurry (bentonite clay) is used in the process. 1/24/08</p> <p>The drilling pit within the east side staging yard at the Saugatuck River appears adequately sized for the drilling operations and remains open. 1/24/08</p> <p>On the west side of the Saugatuck River, stone and geotextile fabric remain in place on the exposed soil in the park adjacent to the river. 1/24/08</p> <p>The drilling pits were active on both sides of Ash Creek and appear adequately sized for the drilling operations. 1/24/08</p> <p>Drilling pits are excavated on both sides of the Housatonic River. The drilling pits on the west side have a small dirt/sand berm around portions of the perimeter. Both drill pits appear</p> | <p>Monitor for dust as previously indicated. See the spills and material storage section. 1/24/08</p> <p>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. 1/24/08</p> <p>Continue to provide soil stabilization. Restore the area to original conditions when access needs are complete. 1/24/08</p> <p>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. 1/24/08</p> <p>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. 1/24/08</p> | <p>NA</p> <p>Requires regular attention and monitoring.</p> <p>NA at this time.</p> <p>NA</p> <p>NA</p> |

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| | adequately sized. 1/24/08 | | |
| 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 | Although not marked on the D&M, a row of hedges/shrubs was removed (9/18/07) from the west side of the river near sta. #235+75. The contractor states that the property owner removed the shrubs in preparation for the HDD work. 12/5/07-1/24/08 Shrubs had previously been removed from the west side of the river near sta. #234+50 as per the D&M Plan 1/24/08 | If shrubs were removed by the property owner prior to HDD work, then discuss and reach an agreement with the property owner regarding the final restoration measures. 12/5/07-1/24/08 When work is completed, restore the area as indicated in the D&M plan. 1/24/08 | Contractor states the property owner removed the shrubs. Needs evaluation during restoration. NA at this time. |
| Dewatering | Dewatering activities were not observed at the time of the inspection but crews were working to vacuum up spilled slurry within the Housatonic River work area 1/24/08 | Continue to ensure that material is contained appropriately and treated according to the ground-water handling plan as referenced in the D&M. 1/24/08 | NA |
| Blasting | No blasting has been proposed. 1/24/08 | None 1/24/08 | NA |
| Spills and Material Storage | Reserve spill cleanup materials/kits were observed in the staging area. 1/24/08 | Continue to bring spill kits to active work sites. 1/24/08 | NA |
| Saugatuck River | Spilled material remains in several locations on the east side of the Saugatuck River; contained within the yard. 12/31-1/24/08 Small, new frac-outs were also observed here. 1/24/08 | Spilled slurry material should be properly removed and disposed. 12/31-1/24/08 | Needs attention. |
| Housatonic River | The large drill pit on the west side of the Housatonic River is intended to facilitate | Continue to monitor the amount of slurry in relation to the size of the pit to ensure adequate storage | Needs regular evaluation. |

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| | <p>drilling activities and project sequencing. The contractor indicated that some slurry must remain in the pit overnight during cold weather to prevent the equipment from freezing. The drill pit had recently been pumped out and the level of slurry was very low. 1/24/08</p> <p>There was a large amount of spilled slurry on the paved surfaces within the work area and crews were working to vacuum it up. 1/24/08</p> | <p>capacity. Also consider impacts from future storm events and run-off. Contractor states that the level of slurry in the pit will be lowered at the end of each workday to provide additional capacity 12/12/07-1/24/08.</p> <p>Continue to attend to spilled drilling muds on a regular basis. 1/24/08</p> | <p>Crews were working to remove muds.</p> |
| Additional Observations | None. 1/24/08 | None. 1/24/08 | NA |

Next likely scheduled inspection:

Thursday January 31, 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



On the east side of the Saugatuck River two minor frac outs were observed on land between the access drive and drilling pit. The slurry material should be contained, and properly removed.



On the west side of the Saugatuck River, the silt fence along Lincoln Street needs repair.



Drilling continues under the Housatonic River. Crews have been experiencing a loss of drilling fluid returns over the past several days, but divers have been surveying the area and there have been no signs of any frac-outs within the project limits. On the east side of the Housatonic River a large volume of drilling fluid was observed on the surface of the paved area. Hay bales were in place to contain the area and crews were working with vacuum trucks to remove the material.

