

Docket No. 424 – Development and Management Plan Inspection

The Connecticut Light and Power Company Certificate of Environmental Compatibility and Public Need for the Connecticut portion of the Interstate Reliability Project.

**Card Street Substation
 Interim Week Inspection:**

Date: November 8, 2013
Inspector: Francis J. Vacca, John M. Corbo
Rain Event: 0.22” on 11/8
Location: 141 Card Street, Lebanon, CT 06249

**Card Street Substation
 Bi-Week Inspection:**

Date: November 18, 2013
Inspector: John M. Corbo
Rain Event: 0.66” on 11/18
Location: 141 Card Street, Lebanon, CT 06249

Work Observed
 None.

Work Observed
 Excavation and moving of equipment for temporary bus work.

Areas of Inspection		Observation:	Recommended Action:	Corrected Action:
Access Roads and Adjacent Roadways	Week 1 (11/8)	Access to Substation is in compliance with BMP Manual.	Continue to monitor to ensure sediment does not track onto Card Street.	Not Applicable (NA)
	Week 2 (11/18)	Card Street at access to Substation is clean and free of debris and in accordance with the BMP Manual. Access to the substation is heavily tracked and compacted. Portions of the access road nearer to Card Street exhibit some erosion contained within the roadway from the heavy vehicle use.	Continue to monitor access area to ensure vehicle tracking does not cause offsite sedimentation to either the roadway or the adjacent wetlands.	NA NA

Areas of Inspection	Observation:	Recommended Action:	Corrected Action:
Vegetative Clearing Limits (Including trees to save or danger trees noted.)	NA	NA	NA
Water Crossings	NA	NA	NA
Erosion and Sedimentation Controls	<p>Week 1 (11/8)</p> <p>There is a stone erosion control berm surrounding the perimeter of the substation.</p> <p>Temporary bus excavation is taking place about 70-100 feet from fence line in the southwest section of the substation.</p> <p>The surface of the substation is crushed stone.</p> <p>There appear to be 2 main stormwater runoff outlets from the southwest edge of the substation to the wetland below. The smaller of the 2 outlets discharges flow approximately 100 feet to the west of the access road. The second outlet is approximately 500 feet to the west of the access road. Both outlets were dry at the time of the inspection and visual observation of the area for any sediment staining suggests that both outlets flow free of erosion.</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>Continue to monitor these outlets during and after significant rain events for erosion off the site into the wetland.</p>	<p>NA</p> <p>NA</p> <p>NA</p>
	<p>Week 2 (11/18)</p> <p>There is evidence of suspended sediment in the wetland swale southwest of the substation, but the sediment origin is not apparent. (Sedimentation may be the result of heavy rain in the early morning hours unsettling stabilized offsite areas)</p> <p>Both substation outlets are dry at the time of the inspection.</p>	<p>Continue to monitor area for worsening condition following rain events.</p>	<p>Peter Lockwood of Burns and McDonnell provided photo documentation that the wetland swale areas in question showed evidence of sedimentation prior to the start of construction. The area will continue to be monitored following rain events.</p>

Areas of Inspection	Observation:	Recommended Action:	Corrected Action:
Inland Wetland and Watercourse encroachment and mitigation	<p>11/8: All flow running out of site appears to be free of sediment; there is no erosion entering wetland.</p> <p>There is no work taking place in wetlands.</p> <p>11/18: Sediment from unknown origin is apparent in the stone swale leading into wetland at the southwest edge of the substation.</p>	<p>NA</p> <p>NA</p> <p>Continue to monitor area for worsening condition.</p>	<p>NA</p> <p>(see above erosion response)</p>
Spills and Material Storage.	<p>11/8: All excavation stockpile being contained to lined dumpster and covered after work hours.</p> <p>Materials for project stored on site away from excavation, along southern and western substation fence.</p> <p>11/18: An additional dumpster is located near materials storage area on southwestern edge of substation.</p>	<p>Continue to follow this procedure.</p> <p>NA</p> <p>NA</p>	<p>NA</p> <p>NA</p> <p>NA</p>
Cultural Resources	<p>NA</p>	<p>NA</p>	<p>NA</p>
Rare, Threatened, and Endangered Species	<p>NA</p>	<p>NA</p>	<p>NA</p>

Additional Documentation Comments:

Notes from 11/8/13:

- Sanitary Port-O-Let located away from active construction site in an upland area and away from any sensitive areas.
- Materials for project stored on site away from excavation.
- According to Burns and McDonnell representatives, the excavation is for temporary bus work to be installed prior to a proposed outage in November.

Next likely scheduled inspection: November 22, 2013

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.

Independent Field Inspector: Francis J. Vacca, John M. Corbo 11/18/2013

Owner's Field Inspector: _____

Reviewer: Paul M. Knapik 11/21/2013



Photo #1: View (facing west) of second runoff outlet at southwestern edge of substation.



Photo #2: View (facing north) of lined dumpster near excavation.



Photo #3: View (facing northwest) of first runoff outlet, 50 feet from access road, at southwestern edge of substation.



Photo #4: View (facing north) of stone erosion berm along fence line at edge of substation.



Photo #5: View (facing north) of entrance pad to substation.

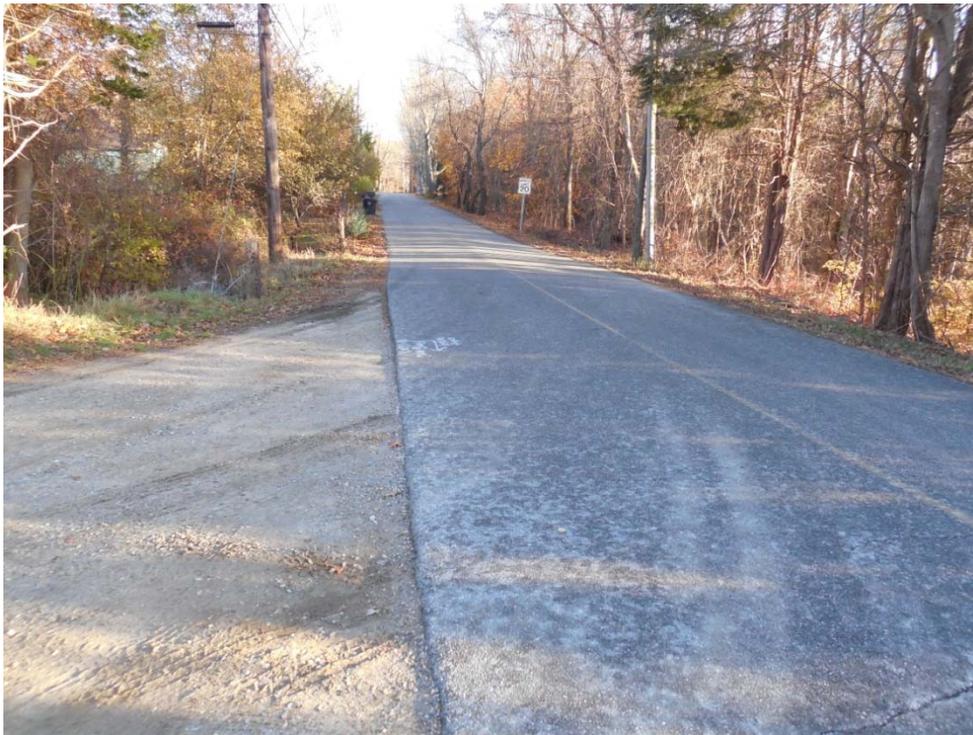


Photo #6: View (facing southeast) of Card Street relatively free of sediment from entrance.



Photo #1: View (facing west) of second runoff outlet at southwestern edge of substation with no apparent sedimentation.



Photo #2: View (facing west) of first runoff outlet at southwestern edge of substation with no apparent sedimentation.



Photo #3: View (facing southwest) of wetlands that appears cloudy from sediment of unknown origin along southwestern edge of substation.



Photo #4: View (facing northeast) of forklift moving equipment from storage area to work area.



Photo #5: View (facing north) of heavily tracked entrance pad to substation.

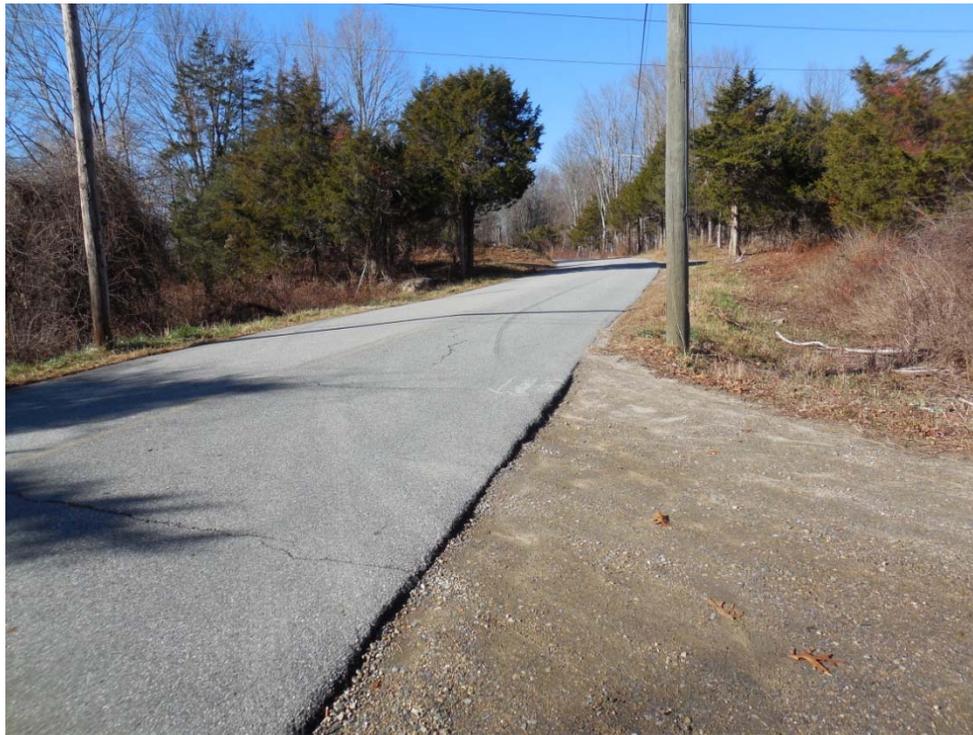


Photo #6: View (facing west) of Card Street, free of sediment from access.