

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.

IRP Overhead ROW

Interim Week Inspection:

Date: May 29, 2014

Inspector: John Corbo, E.I.T.

Rain Event: 0.7” on May 23rd, 2014

Locations Inspected (by Town, Map Sheet, and Structure Number/Site – reference Feb., 2014 D&M Plans):

Card Street Substation, Lebanon CT (CSSS)
Lebanon, CT: MS 1 of 66 (Str. 1-6)
Columbia, CT: MS 2-5 of 66 (Str. 7-24)
Coventry, CT: MS 6-7 of 66 (Str. 25-34)
Mansfield, CT: MS 8-17 of 66 (Str. 36-91)
Killingly, CT: MS 52-54 (Str. 262-272)
Killingly Substation, Killingly, CT (KS): MS 54
Lake Road Junction/Switching Station (LRSS): MS 53 (Str. 266-267)

Work Observed: (by Map Sheet and Structure Number / Site)

MS1, Str 1: Drilling operations at Str 1.

MS6, Str 27-32: Delivery of construction materials, grading and compacting of pad up-line of Str 27.

MS7, Str 33-34: Hammering ledge with excavator up-line of Str 33, Stabilizing slope with riprap on edge of access road up-line of Str 33.

MS8, Str 39-45: Delivery of construction materials down-line of Str 43.

MS10, Str 51-55: Delivery of construction materials, grading and compacting of access road down-line of Str 53.

MS11 Str 56-62: Delivery of construction materials, clearing with feller/buncher down-line of Str 57, and chipping of brush.

MS54, Str 269-272: Preparing for a conductor pull on Saturday May 31st during a planned outage.

MS54, KS: Aerial work on structures within the substation.

MS53, Str 265-268: Preparing for a conductor pull on Saturday May 31st for a planned outage. Drilling operations at Str 266. Concrete Pour inside LRSS. (Photo 6)

IRP Overhead ROW

Bi-Weekly Week Inspection:

Date: June 5, 2014

Inspector: John Corbo, E.I.T.

Rain Event: 0.62” on June 5th, 2014

Locations Inspected (by Town, Map Sheet, and Structure Number/Site – reference Feb., 2014 D&M Plans):

Card Street Substation, Lebanon CT (CSSS)
Lebanon, CT: MS 1 of 66 (Str. 1-6)
Coventry, CT: MS 6-7 of 66 (Str. 25-34)
Mansfield, CT: MS 8-17 of 66 (Str. 36-91)
Lake Road Junction/Switching Station: MS 53 (Str. 266-267)
Killingly Substation, Killingly, CT (KS): MS 54

Work Observed: (by Map Sheet and Structure Number / Site)

MS1, Str 1: Drilling operations at Str 1. Contractors extended construction pad for Str 5.

MS7, Str 34: Compacting Str pad 34.

MS8, Str 43: Cleanup of diesel drip.

MS9, Str 46: Delivery of materials, building of access road up-line of Str 46.

MS14, Str 73: Tree clearing up-line of Str 73

MS15, Str 78-82: Drilling operations for New Str 9080. (Replaces existing steel pole structure 9080)

MS54, KS: Aerial work on structures within the substation.

Areas of Inspection	Observation:	Recommended Action:	Corrected Action:
Access Roads and Adjacent Roadways	Interim Week (5/29) Adjacent roadways clear and free of sediment at all other visited sites.	Continue to follow this procedure. NA	NA NA
	Bi-Week (6/5) Adjacent roadways clear and free of sediment at all other visited sites.	NA	NA
Vegetative Clearing Limits (Including trees to save or danger trees noted.	Interim Week (5/29) Project clearing observed during inspection appears to be in accordance with D & M plans. Clearing crews utilizing timber mats in wet areas to prevent unnecessary rutting.	NA NA	NA NA
	Bi-Week (6/5) Project clearing observed during inspection appears to be in accordance with D & M plans.	NA	NA
Water Crossings	Interim Week (5/29) All crossings appear to be functioning in accordance with the BMP Manual. No sediment appears to be entering the streams or wetlands.	Continue to follow this procedure.	NA

	Bi-Week (6/5)	All crossings appear to be functioning in accordance with the BMP Manual.	Continue to follow this procedure.	NA
Erosion and Sedimentation Controls	Interim Week (5/29)	<p>Noted that stockpile areas along ROW are being surrounded with straw wattles and stabilized with blown straw.</p> <p>Str 33: Noted plunge pools installed on access road up-line of Str 33. (Photo 4)</p> <p>Str 33: Installing rip rap slope stabilization measures and diversion swales along edge of access road for greater erosion stability. (Photo 3)</p> <p>LRSS: Noted installation of straw wattles around outside perimeter of Switching Station.</p>	<p>Continue to follow this procedure.</p> <p>NA</p> <p>Continue to follow this procedure.</p>	<p>NA</p> <p>NA</p> <p>NA</p>
	Bi-Week (6/5)	<p>Str 5: Contractors extended construction pad adjacent to Str 5, however, in doing so, they did not increase the silt fence along the extended area. (Photo 1-2)</p> <p>Contractors installed substantial erosion control measures along sensitive areas of the ROW in preparation for the forecast rain event. (Photo 9)</p>	<p>Recommend increasing the length of silt fence around corner of Str pad 5 due to proximity of wetlands.</p> <p>Continue to follow this procedure.</p>	<p>P. Lockwood noted observation.</p> <p>NA</p>
Inland Wetland and Watercourse encroachment and mitigation	Interim Week (5/29)	Mat installations in wetland areas are in accordance with the BMP Manual.	Continue to follow this procedure.	<p>NA</p> <p>NA</p>

	Bi-Week (6/5)	CSSS: Observed turbidity in the wetland swale south of the substation. (Photo 3-4)	See Additional Documentation Comments for further information.	NA
Spills and Material Storage.	Interim Week (5/29)	Spill kits noted on all visited sites. Contractor implementing concrete wash out areas down-line from Killingly Substation and adjacent to the Lake Road Switching Station for foundation concrete pours.	Continue to follow this procedure. Continue to follow this procedure.	NA
	Bi-Week (6/5)	Spill kits noted on all visited sites. Str 43: Observed one (1) diesel drip up-line of Str 43.	Continue to follow this procedure. NA	NA Northern crew immediately contained and removed affected stone during inspection.
Cultural Resources	Interim Week (5/29)	Pads in cultural areas are being installed with a geotextile separation fabric and sand buffer layer prior to the installation of the pad material.	NA	NA
	Bi-Week (6/5)	Pads in cultural areas are being installed with a geotextile separation fabric and sand buffer layer prior to the installation of the pad material.	NA	NA
Rare, Threatened, and Endangered Species	Interim Week (5/29)	NA	NA	NA

	Bi-Week (6/5)	NA	NA	NA
Additional Documentation Comments:				
Notes for 5/29/2014:				
<ul style="list-style-type: none"> • Drilling operations ongoing at Str 1 and Str 266. • Chipping brush material into mulch trucks for removal from the R.O.W. (Photo 5) • Access roadway in the vicinity of Str 52 and 54 in agricultural farmland area being installed with filter fabric barrier in accordance with D&M detail sheets. • Preparing for a conductor pull from Killingly Substation to Lake Road Switch Station on Saturday May 31st during a planned outage. • Concrete pour taking place within Lake Road Switching Station. 				
Notes for 6/5/2014:				
<ul style="list-style-type: none"> • CSSS: There appears to be four (4) or more discharge points from the south side of CSSS where turbid flow enters the southwestern wetland swale. CL&P and Burns and McDonnell Project Management is aware of the situation and is actively searching for a solution to prevent further discharges. (Photo 3-4) • Access roadway in the vicinity of Str 54 in agricultural farmland area being installed with filter fabric barrier in accordance with D&M detail sheets. • Drilling operations ongoing for Str 1 and Replacement Str 9080. 				
Open Items from previous inspections:				
<ol style="list-style-type: none"> 1. CL&P is in the process of evaluating long-term solutions to resolve the discharge of sediment into the wetland swale south of Card Street Substation following significant rain events. CL&P is in direct coordination with DEEP and USACE to determine the most suitable course of action. 				
Closed Items from previous inspections:				

Next likely scheduled inspection: June 11, 2014

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: John M. Corbo, EIT 6/5/2014

Owner's Field Inspector: _____

Reviewer: Paul Knapik 6/11/2014



Photo #1: Extension of Str pad 5. Recommend installing addition fence along edge of stone.



Photo #2: Portion of silt fence at Str pad 5 at edge of wetlands. (Note pink wetland flag at center of photo)



Photo #3: Turbid discharge exiting perimeter stone of CSSS along southern fence line.



Photo #4: Turbidity in swale at CSSS.



Photo #5: Second row of wattles were installed at southern fence line at CSSS.



Photo #6: (5/29) Aerial work preparing for a conductor pull at Killingly Substation.



Photo #7: (5/29) Erosion control measures surrounding Lake Road Switching Station.



Photo #8: Rip rap slope stabilization measures at Str 34.



Photo #9: Substantial erosion control measures on access road to prepare for forecast rain event down-line of Str 43.



Photo #10: Plunge pool at base of slope down-line of Str 43.