

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: June 26, 2014

Inspector: John Corbo, E.I.T.

Rain Event: 0.06” on 6/26/2014

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)
Mansfield, CT: MS 8-17 of 66 (Str. 36-91)
Chaplin, CT: MS 18-23 of 66 (Str. 92-123)

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

CSSS: Drilling operation inside station.

MS1, Str 2: Preparing for drilling operations at Str 2.

MS2, Str 7, 10: Direct embed drilling operations at Str 10, crane erection of Str 7.

MS9, Str 50: Chipping brush down slope toward Str 49.

MS10, Str 56: clearing down-line of Str 56, cleaning of equipment after being in invasive species area.

MS11 Str 60: Extending Str pad 62 with construction pad stone and wetland mats

MS12, Str 63, 64: delivery of construction material, grading of str pad 63, compacting of pad 63 and 64.

MS13, Str 70: Delivery of construction materials and building of access road down-line of Str 70.

MS16, Str 87: Drilling operations at Str 87.

MS17, Str 90: Drilling operations at Str 90 and cleaning equipment with high pressure air.

MS19, Str 102: Delivery of construction materials, rough grading of access road up-line of Str 102.

IRP Overhead ROW

Bi-Weekly Week Inspection:

Date: July 2, 2014

Inspector: John Corbo, E.I.T.

Rain Event:

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)
Mansfield, CT: MS 8-17 of 66 (Str. 36-91)
Chaplin, CT: MS 18-23 of 66 (Str. 92-123)
Nora Lane Lay-down area, Pomfret CT

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

CSSS: Drilling operations inside station.

MS1, Str 2: Drilling operations.

MS12, Str 64-65: Compacting and grading down-line of Str 65.

MS13, Str 67-68: Delivery of construction materials, rough grading of access road and pads down-line of Str 68.

MS17, Str 88-89: Concrete foundation pour at Str 88 and moving of structure components at Str 89.

MS19, Str 102-103: Grading of access roads up-line of Str 102, sweeping sediment off wetland mats.

MS20, Str 103-106: Spreading of hay on exposed topsoil. Compacting of Str pad 105. Building access road with wetland mats up-line of Str 105.

MS22, Str 114-117: Building of stone swale on side of access road up-line of Str 114. Compacting of Str pad 105. Chipping brush into truck up-line of Str 116, mowing down-line of Str 116.

Areas of Inspection		Observation:	Recommended Action:	Corrected Action:
Access Roads and Adjacent Roadways	Interim Week (6/26)	Adjacent roadways clear and free of sediment at all visited sites.	Continue to follow this procedure.	NA
	Bi-Week (7/2)	Adjacent roadways clear and free of sediment at all visited sites.	Continue to follow this procedure.	NA
Vegetative Clearing Limits (Including trees to save or danger trees noted.)	Interim Week (6/26)	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. Str 56: Noted cleaning of machinery after clearing in wetland area with invasive species. (Photo 3)	NA NA Continue to follow this procedure.	NA NA NA
	Bi-Week (7/2)	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 Continue to follow this procedure.	NA NA
Water Crossings	Interim Week (6/26)	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 (7/2)	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.	
Erosion and Sedimentation Controls	Interim Week (6/26)	Noted that stockpile areas along ROW are being surrounded with straw wattles and stabilized with blown straw.	Continue to follow this procedure.	NA
		Str 50: Noted chipping of brush for stabilization down slope towards Str 49.	Continue to follow this procedure.	NA
		Str 71: Noted stone swale on edge of access road up-line of Str 71.	NA	NA
Erosion and Sedimentation Controls	Bi-Week (7/2)	Str 102: Sweeping dirt off wetland mats. (Photo 7)	Continue to follow this procedure.	NA
		Str 103-105: Noted spreading of hay on bare topsoil. (Photo 9)	Continue to follow this procedure.	NA
		Str 114-115: Noted stone swale and plunge pool installation on side of access road. (Photo 6)		
Inland Wetland and Watercourse encroachment and mitigation	Interim Week (6/26)	Mat installations in wetland areas are in accordance with the BMP Manual.	Continue to follow this procedure.	NA
		Str 71: Noted wetland mat crossing over existing culvert up-line of Str 71. (Photo 7)	Continue to follow this procedure.	NA
	Bi-Week (7/2)	Mat installations in wetland areas are in accordance with the BMP Manual.	Continue to follow this procedure.	

Spills and Material Storage.	Interim Week (6/26)	Spill kits noted on all visited sites. Str 90: Noted kiddie pool under drilling machinery for precautionary measures. (Photo 10)	Continue to follow this procedure. Continue to follow this procedure.	NA NA
	Bi-Week (7/2)	Spill kits noted on all visited sites. CSSS: Observed hydraulic fluid spill on CSSS entrance pad. (Photo 1)	Continue to follow this procedure.	NA ES Boulos crew immediately contained and removed affected areas during inspection.
Cultural Resources	Interim Week (6/26)	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 (7/2)	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 (6/26)	NA	NA	NA
	Bi-Week (7/2)	NA	NA	NA
Additional Documentation Comments:				
Notes for 6/26/2014:				
<ul style="list-style-type: none"> • CSSS: Drilling operations ongoing inside Card Street Substation. • Drilling operations ongoing at Str 2, Str 7, Str 87 and Str 90. 				

- Warning signage and silt fence have been installed across the Nipmuck Trail crossing – west branch, between structures 65 and 66. (Photo 4 & 5)

Notes for 7/2/2014:

- **CSSS:** Drilling operations and conduit installation ongoing inside Card Street Substation.
- According to Burns and McDonnell representatives, USACE indicated (via email) that the swale along the south edge of the substation is considered non-jurisdictional (meaning it is not a water of the U.S.).
- Drilling operations ongoing at Str 2 and Str 90.
- Observed Nora Lane Lay-Down Area. The area is stabilized. (Photo 2)
- Concrete vehicles for foundation pour are utilizing a washout container.

Open Items from previous inspections:

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: July 10, 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 7/3/2014

Owner's Field Inspector: _____

Reviewer: Paul Knapik 7/14/2014



Photo #1: Hydraulic Fluid Spill on CSSS Entrance Pad.



Photo #2: Nora Lane Laydown Area in Pomfret.



Photo #3: Cleaning of equipment at Str 56. (6/26)



Photo #4: Warning signage and silt fence at the Nipmuck Trail – West Branch, between Str 65 & 66. (6/26)



Photo #5: Warning signage on Nipmuk Trail – West Branch. (6/26)



Photo #6: Installation of stone swale and plunge pools Up-line of Str 114.



Photo #7: Sweeping up sediment from wetland mats up-line of Str 102.



Photo #8: Stone swale up-line of Str 71.



Photo #9: Spreading of hay on bare topsoil up-line of Str 103.



Photo #10: Child pool under machinery for precautionary measures at Str 90.