

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: October 17, 2014

Inspector: John Corbo, E.I.T.

Rain Event: 2.65” on 10/16/14

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 5-7 of 66 (Str. 23-34)
Mansfield, CT: MS 8-17 of 66 (Str. 36-91)
Chaplin, CT: MS 18-23 of 66 (Str. 92-123)
Brooklyn, CT: MS 31-44 of 66 (Str. 162-223)
Pomfret, CT: MS 44-47 (Str. 224-239)
Putnam, CT: MS 54-63 (Str. 273-318)
Thompson, CT MS 63-66 (Str. 319-337)

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

CSSS: Lightning mast installation complete, all IRP work is complete inside station.

MS1-6, Str 3-28: Conductor pull operations.

MS11, Str 59: Installation of solar panels for FAA requirements.

MS18, Str 93: Striping gravel and fill from pad, restoration and reclamation of Str pad 93. (Photo 3)

MS22, Str 115: Drilling operations.

MS23, Str 121: Drilling operations.

MS37, Str 192: Hammering rock and rough grading of Str pad.

MS40, Str 207: Building of roads and pads, delivery of construction material.

MS44, Str 223: Building of Str pad 223.

MS47, Str 238: Demobilizing of clearing equipment.

MS55, Str 274-279: Clearing operations

MS64-66, Str 327-337: Clearing operations, chipping brush, grading of Str pad 329, building of access road up-line of Str 330.

IRP Overhead ROW

Bi-Weekly Week Inspection:

Date: October 22, 2014

Inspector: John Corbo, E.I.T.

Rain Event: 0.03” on 10/18/14

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

Columbia, CT: MS 2-5 of 66 (Str. 7-24)
Coventry, CT: MS 6-7 of 66 (Str. 25-34)
Chaplin, CT: MS 18-23 of 66 (Str. 92-123)
Brooklyn, CT: MS 31-44 of 66 (Str. 162-223)
Killingly, CT: MS 47-50 (Str. 240-255)
Thompson, CT MS 63-66 (Str. 319-337)

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

MS1-6, Str 3-28: Conductor pull operations.

MS22, Str 117: Drilling operations.

MS23, Str 121: Drilling operations.

MS36, Str 186: Drilling operations.

MS38, Str 199: Tree clearing and trimming up-line of Str 199 on edge of roadway (Route 169).

MS40, Str 207: Grading and compacting of access road, delivery of construction materials.

MS41, Str 210-212: Installation of access road and Str pad 210.

MS48, Str 243: Installation of access road, stabilization of exposed topsoil with spread hay (Photo 8)

MS65-66, Str 328-337: Clearing operations, chipping brush, grading and installation of Str pad 329 and 331, delivery of construction materials.

Areas of Inspection		Observation:	Recommended Action:	Corrected Action:
Access Roads and Adjacent Roadways	Interim Week (10/17)	Adjacent roadways clear and free of sediment at all visited sites.	Continue to follow this procedure.	NA
	Bi-Week (10/22)	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 (10/17)	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 (10/22)	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
Water Crossings	Interim Week (10/17)	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 (10/22)	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
Erosion and Sedimentation Controls	Interim Week (10/17)	Noted that stockpile areas along ROW are being surrounded with straw wattles and stabilized with blown straw. Str 59: Observed plunge pool on edge of access road up-line of Str 59 with 9-10 inches deep of sediment from previous day rain event. (Photo 1) Str 328: Observed water conveyance structures. (Photo 6)	Continue to follow this procedure. Remove sediment from plunge pool. Continue to follow this procedure.	NA Northern crew was notified and intends to empty sediment from plunge pool. NA
	Bi-Week (10/22)	Str 243: Observed installation of hay over exposed topsoil. (Photo 8) Str 57: Observed erosion control measures down-line of Str 57. (Photo 4)	Continue to follow this procedure. Continue to follow this procedure.	Str 59: Observed deepened plunge pool free of sediment with an added check dam. (Photo 2) NA
Inland Wetland and Watercourse encroachment and mitigation	Interim Week (10/17)	Mat installations in wetland areas are in accordance with the BMP Manual.	Continue to follow this procedure.	NA
	Bi-Week (10/22)	Mat installations in wetland areas are in accordance with the BMP Manual.	Continue to follow this procedure.	NA

Spills and Material Storage.	Interim Week (10/17)	Spill kits noted on all visited sites.	Continue to follow this procedure.	NA
	Bi-Week (10/22)	Spill kits noted on all visited sites.	Continue to follow this procedure.	NA
Cultural Resources	Interim Week (10/17)	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 (10/22)	Pads in cultural areas are being installed with a geotextile separation fabric and sand buffer layer prior to the installation of the pad material. Str 186: Observed cultural resource protection measures over rock feature. (Photo 5)	NA Continue to follow this procedure.	NA NA
Rare, Threatened, and Endangered Species	Interim Week (10/17)	NA	NA	NA
	Bi-Week (10/22)	NA	NA	NA

Additional Documentation Comments:

Notes for 10/17/2014:

- **CSSS:** Non-project related work inside station.
- Drilling operations ongoing at Str 115, and Str 121.
- Str 93: Construction pad 93 has been removed, restored and stabilized with straw mulch to their original, pre-construction grades and slopes. (Photo 3)
- Construction pads for structure assembly and erection that were removed, with their areas restored to original grades and slopes: Str 84-87, 93-100, and 269-270.

Notes for 10/22/2014:

- Drilling operations ongoing at Str 118, Str 121 and Str 186.
- Construction pads for structure assembly and erection that were removed, with their areas restored to original grades and slopes: Str 84-87, 93-100, and 269-270.

Open Items from previous inspections:

Closed Items from previous inspections:

Next likely scheduled inspection:

October 28, 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 10/23/2014

Owner's Field Inspector: _____

Reviewer: Paul Knapik 10/28/2014



Photo #1: Plunge pool on edge of access road up-line of Str 59 with 9-10 inches deep of sediment. (10/17)



Photo #2: Plunge pool up-line of Str 59 cleaned and free of sediment, with added check dam.



Photo #3: Removal of stone, fill, and filter fabric from Str pad 93. (10/17)



Photo #4: Erosion control measures down-line of Str 57.



Photo #5: Cultural resource protection measures over rock feature at Str 186.



Photo #6: Water conveyance structure up-line of Str 328. (10/17)



Photo #7: Wetland bridge crossing with wetland mats and geotextile fabric. (10/17)



Photo #8: Hay stabilization over exposed topsoil at Str 243.