

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 11, 2014

Inspector: John Corbo, E.I.T.

Rain Event: 0.54” on 6/5/2014

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)
Mansfield, CT: MS 8-17 of 66 (Str. 36-91)
Chaplin, CT: MS 18-23 of 66 (Str. 92-123)
Killingly, CT: MS 52-54 (Str. 262-272)
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 and Str 3.

MS9, Str 47-48: Delivery of construction materials, excavating materials up-line of Str 47 and moving to Str 48, rough grading of Str pad 48 and access road up-line of Str 48.

MS10, Str 56: Delivery of construction materials at Str 56, grading of Str pad 56, stabilizing topsoil with hay.

MS11 Str 58, 60: Hammering of ledge up-line of Str 58. Rough grading of Str pad 60.

MS54, Str 71: Tree clearing, mowing and chipping down-line of Str 71.

MS15, Str 9080: Drilling operations for New Str 9080. (Existing 330 Line structure replacement as part of Hawthorne Lane ROW Shift)

MS19, Str 102: Clearing and mowing up-line of Str 102.

MS53, Str 267-268: Performing a conductor pull on Str 267 and Str 268.

IRP Overhead ROW

Bi-Weekly Week Inspection:

Date: June 19, 2014

Inspector: John Corbo, E.I.T.

Rain Event: 0.15” on June 19th, 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)
Mansfield, CT: MS 8-17 of 66 (Str. 36-91)
Chaplin, CT: MS 18-23 of 66 (Str. 92-123)
Killingly Substation, Killingly, CT (KS): MS 54

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

CSSS: Drilling operations (Photo 1)

MS1, Str 1-6: Concrete foundation for Str 1 is poured and set. Crews installing direct imbed Str 4 during inspection. Str 5 and 6 have already been installed.

MS9, Str 45-49: Delivery of construction materials, fabricating Str pad 49 using wetland mats.

MS 11, Str 61-62: Hammering of oversize boulders up-line of Str 61, installing silt fence up-line of Str 62. (Photo 5 & 6)

MS 12, Str 63-64: Building access road up-line of Str 63.

MS15, Str 9080: Drilling operations for New Str 9080. (Existing 330 Line structure replacement as part of Hawthorne Lane ROW Shift)

MS16, Str 84: Drilling operation at Str 84. (Photo 7)

MS17, Str 89, 92: Drilling for rock anchors at Str 89, preparing site for pole installation at Str 92. (Photo 8)

MS19, Str 102-103: Clearing and chipping brush.

MS22, Str 114-115: Delivery of construction materials, building of access road up-line of Str 114.

| Areas of Inspection | | Observation: | Recommended Action: | Corrected Action: |
|---|----------------------------|--|--|--------------------------|
| Access Roads and Adjacent Roadways | Interim Week (6/11) | Adjacent roadways clear and free of sediment at all visited sites. Noted new compacted pavement millings on access road down-line of Str 43. | Continue to follow this procedure. NA | NA NA |
| | Bi-Week (6/19) | 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 (6/11) | 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 (6/19) | 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 (6/11) | 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 |

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|---|--|---|--|--|
| | Bi-Week (6/19) | 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 (6/11) | NA | NA | Str 5: Contractors installed silt fence around the corner of the pad adjacent to the wetland recommended in previous inspection report. |
| | | Noted that stockpile areas along ROW are being surrounded with straw wattles and stabilized with blown straw. | Continue to follow this procedure. | NA |
| | | Str 43: Observed stone filled water bars installed across new milled pavement access down-line of Str 43. Noted check dams in stone swale on edge of access road down-line of Str 43. Str 56: Observed stabilization of bare topsoil with spread straw. Noted row of straw bales and silt fence protecting wetland area. | Continue to follow this procedure. Continue to follow this procedure. | NA NA |
| Bi-Week (6/19) | Str 62: Observed installation of silt fence. (Photo 6) | NA | NA | |
| | Str 144: Observed stone filled water bars installed across access road leading into plunge pool. (Photo 10) | Continue to follow this procedure. | NA | |
| Inland Wetland and Watercourse encroachment and mitigation | Interim Week (6/11) | Mat installations in wetland areas are in accordance with the BMP Manual. | Continue to follow this procedure. | NA |
| | Bi-Week (6/19) | Mat installations in wetland areas are in accordance with the BMP Manual. (Photo 3) | Continue to follow this procedure. | NA |

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|--|---------------------|---|------------------------------------|---|
| Spills and Material Storage. | Interim Week (6/11) | Spill kits noted on all visited sites. | Continue to follow this procedure. | NA |
| | Bi-Week (6/19) | Spill kits noted on all visited sites. Str 44: Observed two (2) diesel drips on construction pad entering Str 44. (Photo 2) | Continue to follow this procedure. | NA Northern crew immediately contained and removed affected areas during inspection. |
| Cultural Resources | Interim Week (6/11) | 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 (6/19) | 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 (6/11) | NA | NA | NA |
| | Bi-Week (6/19) | Str 114: Observed orange fencing installed along sides of access road. | NA | NA |

Additional Documentation Comments:

Notes for 6/11/2014:

- **CSSS:** Drilling operations ongoing inside Card Street Substation.
- Drilling operations ongoing at Str 1, Str 3 and Replacement Str 9080.

- Performing a conductor pull from Str 268 to Str 267.
- **Str 56:** Rutting observed outside of pad area adjacent to Str 56 was confirmed by the contractor to be associated with land owner mowing of the area and not project related.
- **Str 56:** Wetland flags in this area were removed by the land owner. T. Ramborger indicated the wetlands were to be reflagged in the imminent future.
- **Str 56:** An area of channelization was observed seeping out of an excavated side slop and running north to south. Contractors indicated they would install larger sized stone to allow flow to continue through the pad unhindered.

Notes for 6/19/2014:

- **CSSS:** Drilling operations ongoing inside Card Street Substation.
- Drilling operations ongoing at Replacement Str 9080 and Str 84.
- **Str 56:** Area of channelization appears to be flowing beneath construction pad and discharging clean. Area is contained with straw bale reinforced silt fence.
- **Str 269 and 270:** Construction pad have been removed, re-graded, restored, and stabilized with blown straw mulch back to their pre-construction grades and slopes. (Photo 9)

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:

June 25, 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 6/20/2014

Owner's Field Inspector: _____

Reviewer: Paul Knapik 6/25/2014



Photo #1: Drilling operations inside CSSS.



Photo #2: Diesel drip on construction pad entering Str 44.



Photo #3: Pad installation with wetland mats.



Photo #4: Plunge pool leading into row of haybales and silt fence at Str 56.



Photo #5: Hammering of boulders up-line of Str 61.



Photo #6: Installation of silt fence up-line of Str 62.



Photo #7: Drilling operations at Str 84.



Photo #8: Installing drill rock anchors at Str 89.



Photo #9: Restoration at Str 269 and Str 270.



Photo #10: Stone water bars leading into plunge pool on access road down-line of Str 114.