

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: July 10, 2014

Inspector: John Corbo, E.I.T.

Rain Event: 1.16" on 7/04/2014

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

Card Street Substation, Lebanon CT (CSSS)
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)
Hampton, CT: MS 24-31 of 66 (Str. 124-161)

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

CSSS: Drilling operations inside station. Unearthing of grounding grid.

MS3, Str 13, 16: Str 13 erection with crane. Drilling operations at Str 16.

MS4, Str 17: Construction of conductor pull pad.

MS5, Str 23: Drilling operations.

MS13, Str 71: Delivery of construction materials, grading and compacting of Str pad 71.

MS15, Str 83: Drilling operations.

MS18, Str 96: Concrete foundation pour at Str 96.

MS20, Str 108: Delivery of construction materials, grading and compacting of Str pad 108.

MS22, Str 115, 116: Rough grading of access road and pad.

MS23, Str 121-123: Mowing and chipping trees/brush down-line of Str 123.

MS28, Str 146: Delivery of construction materials, grading and compaction of Str pad 146.

MS42, Str 216: Striping of topsoil in agricultural farmland and placing on side of pad, rough grading, and installation of filter fabric.

IRP Overhead ROW

Bi-Weekly Week Inspection:

Date: July 17, 2014

Inspector: John Corbo, E.I.T.

Rain Event: 0.64" on 7/16/2014

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

Card Street Substation, Lebanon CT (CSSS)
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)
Chaplin, CT: MS 18-23 of 66 (Str. 92-123)
Hampton, CT: MS 24-31 of 66 (Str. 124-161)
Brooklyn, CT: MS 31-44 of 66 (Str. 161-223)
Lake Road Junction/Switching Station: MS 53 (Str. 266-267) (LRSS)

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

CSSS: Drilling operations inside station. Assembling A-frame structure.

MS4, Str 17: Drilling operations at Str 17.

MS 5, Str 24, 25: Installing structure cross supports with crane at Str 24. Delivery of materials, mowing, grading and compacting at Str 25.

MS15, Str 83: Drilling operations.

MS16, Str 85, 86: Hand clearing up-line of Str 85.

MS17, Str 88: Installation of Str 88 with crane.

MS19, Str 99: Drilling operations.

MS21, Str 112: Drilling operations.

MS23, Str 120: Rough grading of Str pad 120.

MS 25, Str 129-131: Clearing operations, chipping trees/brush into truck, unloading wetland mats.

MS43, Str 219: Grading and compacting of access road and Str pad 219.

LRSS: Ongoing work inside substation.

Areas of Inspection		Observation:	Recommended Action:	Corrected Action:
Access Roads and Adjacent Roadways	Interim Week (7/10)	Adjacent roadways clear and free of sediment at all visited sites.	Continue to follow this procedure.	NA
	Bi-Week (7/17)	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 (7/10)	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 (7/17)	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
Water Crossings	Interim Week (7/10)	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 (7/17)	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
Erosion and Sedimentation Controls	Interim Week (7/10)	<p>CSSS: Noted several straw wattle and straw bale check dams in place in southern swale. (Photos 1 & 2)</p> <p>Noted that stockpile areas along ROW are being surrounded with straw wattles and stabilized with blown straw.</p> <p>Str 23: Contractors utilizing impervious polyethylene sheeting to cover wetland mats adjacent to drilling areas from drill spoils. Spoils are being contained in “spin off” containers for removal to an offsite dewatering area. (Photo 5)</p> <p>Str 96: Dewatering wastewater during concrete pour is being pumped to dewatering tank truck, and the tank truck is discharging the water to an upland dewatering area.</p>	<p>NA</p> <p>Continue to follow this procedure.</p> <p>Continue to follow this procedure.</p> <p>Continue to follow this procedure.</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p>
	Bi-Week (7/17)	<p>Noted that stockpile areas along ROW are being surrounded with straw wattles and stabilized with blown straw.</p> <p>CSSS: A straw wattle buried in stone was installed following the perimeter ground installation along the south perimeter of the substation.</p> <p>Str 83: Contractors utilizing check dams and a filtration sock “dirt bag” in the dewatering basin for further filtration. (Photo 3)</p> <p>Str 99: Spoils are being contained in “spin off” containers for removal to an offsite dewatering area.</p> <p>Str 219: Observed stabilization of topsoil with hay at Str 219. (Photo 9)</p>	<p>Continue to follow this procedure.</p> <p>NA</p> <p>Continue to follow this procedure.</p> <p>Continue to follow this procedure.</p> <p>Continue to follow this procedure.</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p>

Inland Wetland and Watercourse encroachment and mitigation	Interim Week (7/10)	<p>Mat installations in wetland areas are in accordance with the BMP Manual.</p> <p>Str 23: Wetland mats in 100-year Floodplain are tied to each other to prevent migration during a flood condition. (Photo 4)</p>	<p>Continue to follow this procedure.</p> <p>Continue to follow this procedure.</p>	<p>NA</p> <p>NA</p>
	Bi-Week (7/17)	<p>Mat installations in wetland areas are in accordance with the BMP Manual.</p>	<p>Continue to follow this procedure.</p>	<p>NA</p>
Spills and Material Storage.	Interim Week (7/10)	<p>Spill kits noted on all visited sites.</p> <p>Str 96: Concrete spill on wetland mats up-line of Str 95. (Photo 8)</p> <p>Str 23: Noted child pools under drilling machinery for precautionary measures. (Photo 6)</p>	<p>Continue to follow this procedure.</p> <p>Continue to follow this procedure.</p>	<p>NA</p> <p>Burns & McDonnell Representative noted that the concrete will be cleaned up by tri-state before the end of the work day. (it is easier to remove the spill in its entirety after it sets.)</p> <p>NA</p>
	Bi-Week (7/17)	<p>Spill kits noted on all visited sites.</p> <p>Str 99: Drilling operation commencing for Str 99.</p>	<p>Continue to follow this procedure.</p> <p>Recommend placing child pool beneath drilling equipment located within a wetland mat area for precautionary measures.</p>	<p>NA</p>
Cultural Resources	Interim Week (7/10)	<p>Pads in cultural areas are being installed with a geotextile separation fabric and sand buffer layer prior to the installation of the pad material.</p> <p>Str 216: Observed installation of geotextile separation fabric.</p>	<p>NA</p>	<p>NA</p>

	Bi-Week (7/17)	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
Rare, Threatened, and Endangered Species	Interim Week (7/10)	NA	NA	NA
	Bi-Week (7/17)	NA	NA	NA
Additional Documentation Comments: Notes for 7/10/2014: <ul style="list-style-type: none"> • CSSS: Drilling operations ongoing inside Card Street Substation. Searching for grounding grid in substation and installing a new copper ground perpendicular to the existing. (Photo 3) Terry Ramborger of Burns and McDonnell anticipates southern swale will be cleaned out and new stone will be installed. • CSSS: According to Burns and McDonnell representatives, the south swale in this area was deemed as non-jurisdictional by USACE. Warning protected wetland or buffer area signage has been removed from southern swale at CSSS. • Drilling operations ongoing at Str 16, Str 23, Str 83. Notes for 7/17/2014: <ul style="list-style-type: none"> • CSSS: Drilling operation ongoing inside Card Street Substation. Assembling of A-frame structure. • Warning signage and fence have been installed across the Hop River State Park Trail crossing between structures 24 and 25. (Photo 7) • Drilling operations ongoing at Str 17, Str 83, Str 99, Str 112. 				
Open Items from previous inspections: Closed 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. 				

Next likely scheduled inspection: July 24, 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 7/18/2014

Owner's Field Inspector: _____

Reviewer: Paul Krapik 7/22/2014



Photo #1: Check Dam in CSSS southern swale. (7/10)



Photo #2: Check Dam in CSSS southern swale. (7/10)



Photo #3: Check dams and “dirt bag” installed in dewatering basin down-line of Str 83.



Photo #4: Wetland mats tied to each other in 100-year Floodplain at Str 23. (7/10)



Photo #5: Spin off tarp over wetland mats at Str 23. (7/10)



Photo #6: Child pool under machinery for precautionary measures at Str 23. (7/10)



Photo #7: Warning signage and fence on Hop River State Park Trail down-line of Str 25.



Photo #8: Concrete spill on wetland mats up-line of Str 95. (7/10)



Photo #9: Topsoil stabilization with spread hay at Str 219.