

Site/Project Location: Emmons and Logan Counties, ND

Date of Inspection: 5 November 2019

Keitu staff visited the Emmons Logan Wind Farm project for a construction inspection. Inspection of construction sites focused on (1) confirming surface disturbance/work occurring within ND PSC-approved work corridor and/or route; (2) topsoil segregation occurring; (3) vegetation removal consistent with tree & scrub mitigation plan; and (4) storm water runoff and sediment control.

Observed Work / Weather Conditions

Visit occurred between 10:30 a.m. to 2:00 p.m. The weather was clear and sunny, temperature at 28°F, winds at 5-10 mph out of the west and no precipitation.

The transmission line project got underway since spring of 2019 in conjunction with the Emmons Logan Wind Farm Project. At the time of the inspection, construction work on the transmission facility was nearly complete. All collection system cabling has been installed and all transmission line structures have been installed and on standby until a switchyard in Napoleon is completed and connected. Construction activities at the substation are nearly complete and equipment undergoing testing at the time of the inspection.

Top Soil Management / Condition / Erosion Control / Stormwater Management

During the inspection, stripped topsoil was noted along access roads and at the structure locations. The majority of the disturbed ground was backfilled and topsoil replaced and final topsoil and vegetation reclamation to take place in the spring of 2020. The amount of topsoil piles remaining was minimal and were appropriately segregated from subsoil. Erosion control and stormwater management BMPs were in good conditional and working effectively; although, the soil temperature had dropped below freezing prior to the time of the inspection.

Vegetation Condition

There were locations where trees were removed where underground cables were trenched through single row shelterbelts. The number of trees removed was very minimal. Emmons-Logan Wind LLC will follow the tree and shrub mitigation plan submitted as part of their Application for Certificate of Site Compatibility. In several locations, transmission structures were constructed through agricultural fields currently in crop production.

Deficiencies

No deficiencies were noted during the construction inspection.

Actions Taken/To Be Taken

Erosion control and stormwater BMPs should continue to be routinely evaluated and replaced or repaired as necessary once ground temperatures rise above freezing in the spring and continue maintenance until reclamation and revegetation of ROW is complete. Topsoil piles will be used to revegetate areas not used for permanent roads.

Keitu Inspector: ZAP

Inspection Report Submitted: 3 December 2019

Report Photo #1 "Collection Line on North side of 72nd St SE"



Report Photo #2 "Transmission Line Corridor and Structures on North side of 72nd Ave SE"



Report Photo #3 "Transmission Line Structures Running North-South along West Side of 24th Ave SE"



Report Photo #4 "Silt fence and 24th Ave SE Avoiding Wetland Area"



Report Photo #5 "Substation Construction near Completion"



Site Location Map

