

**Site/Project Location:** Oliver III Wind Energy Center

**Date of Inspection:** 26 September 2016

Keitu staff visited the Oliver III Wind Energy Center in Oliver and Morton Counties 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; and (3) vegetation removal consistent with tree & shrub mitigation plan.

**Observed Work / Weather Conditions**

Visit occurred between 1:40 p.m. to 3:30 p.m. The weather was clear with a temperature of 70°F, winds at 10-15 mph from the north, and no precipitation.

Construction on the Oliver III Wind Energy Center project is now fully underway. All access roads to turbines have been stripped of topsoil and covered with gravel. Cement treat is projected to be completed by the end of the week. Seth Wiltz informed Keitu that the crew will have all pads completed by the end of the week and the crew has 16 footings left to pour. Due to the topography in this area, operators have been shaping hillsides to provide level string roads and pads at the turbine sites. Operators have said topsoil separation has been difficult due to large rocks found just below the soil surface. During inspection Keitu noticed that the crew had not been clearing the 100 foot right of way (ROW) for their string roads. When asked why not all of the ROW was cleared Seth Wiltz informed Keitu that "we do not want to disturb any more than we have to".

**Top Soil Management / Construction Condition / Erosion Control / Stormwater Management**

Topsoil from subsoil segregation appears adequate. Sites 17, 5, 4, 25, 30, 24 and 16 had newly constructed pads from the time of Keitu staff's last inspection. Site operators have displayed adequate topsoil separation. At locations where crew ran into large rocks, operators cleared topsoil around rocks to limit disturbance and reduce voids that would pool water. Crew will then cover with gravel, grade and then cement treat for the string roads. Erosion control has been implemented in disturbance areas and heavy slopes. Silt fences are installed correctly and being inspected and maintained.

**Vegetation Condition**

No evidence of tree or shrub removal noted.

**Deficiencies**

No deficiencies noted.

**Actions Taken/To Be Taken**

None expected.

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Keitu Engineers & Consultants, Inc.

**Keitu Inspector:** RJM

**Inspection Report Submitted:** 4 October 2016

**Report Photo #1 "Shaping Hillside to Create Flat Pad For Turbine"**



**Report Photo #2 "Topsoil Pile and Silt Fence BMP"**



**Report Photo #3 "Topsoil Separation On String Road"**



**Site Location: "Oliver Wind III Energy Center"**

