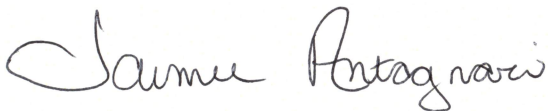


July 18, 2022

Executive Secretary  
North Dakota Public Service Commission  
600 East Boulevard Ave – Dept. 408  
Bismarck, ND 58505-0480

Please find enclosed two hardcopies of the topsoil inspection for PU-22-164. If you have questions, please contact Jaimee Antognazzi at 701-667-1800.

Sincerely,



Jaimee Antognazzi, CSP  
Operations Manager

31 **PU-22-164** Filed: 7/18/2022 Pages: 5  
**Topsoil Inspection Report**

Keitu Engineers & Consultants, Inc.

Jaimee Antognazzi, CSP

*Enclosures: Topsoil Inspection PU-22-164 (2 hardcopies)*

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**Site/Project Location:** Spring Creek II Pump Station- McKenzie County      **Date of Inspection:** 7 July 2022

Keitu staff visited the ONEOK Spring Creek II Pump Station Project for a start of project topsoil inspection at the location being cleared. Inspection of construction sites to focus 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.

#### **Observed Work / Weather Conditions**

Visit occurred between 11:00am and 1:00pm. The weather was sunny, temperature at 64°F, winds at 15-20 mph out of the East and no precipitation.

The ONEOK Spring Creek II Pump Station Project kicked off its construction in North Dakota at the time of the visit. Two graders worked in tandem to strip the topsoil around the pump station boundary where an earthen berm will be constructed around the perimeter of the pump station. Subsoil was not being removed at the time of the inspection. Topsoil was then piled outside of the construction area to be moved at a later date. The Project is located in the SW ¼ of Section 3, Township 148N, Range 102W in McKenzie County, North Dakota.

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

Two graders began stripping the topsoil around the boundary of the Project site. The soil was saturated from recent rain, and the grader operators had to make several passes around the Project perimeter removing small increments of topsoil with each pass. The graders continued removing the topsoil until the subsoil was showing around the perimeter. No subsoil was removed as the Project site would be covered with a gravel pad and berm around the perimeter where topsoil was removed during the inspection. The removed topsoil was piled outside of the stripped perimeter to be removed at a later date.

The grader operators carefully removed the topsoil until the subsoil layer became visible and moved the topsoil into a pile away from the exposed subsoil. The grader operators demonstrated proper understanding of the rules and regulations for topsoil removal. Multiple passes were made over the same ground to remove the topsoil in increments to strip the topsoil layer at proper depths across the varying contours of the Project site. Topsoil depth ranged from 5 to 10 inches.

#### **Vegetation Condition**

No evidence of tree or shrub removal was noted as the project site was located in a field used for pastureland.

#### **Deficiencies**

Deficiencies were not found at the time of inspection.

#### **Actions Taken/To Be Taken**

Topsoil segregation was noted to be acceptable at this time in the areas observed. Equipment operators were reminded to strip soil, where it existed, down to a maximum of 12 inches or to the depth where subsoil appeared. Equipment operators have demonstrated proficiency in topsoil removal and segregation in compliance with the Commission's Order.

**Keitu Inspector:** ZAP

**Inspection Report Submitted:** 18 July 2022

**Report Photo #1 "Project Perimeter with Stripped Topsoil"**



**Report Photo #2 "Subsoil Showing Along Project Perimeter After Topsoil Removed"**



**Report Photo #3 "Graders Stripping Topsoil Along Project Perimeter"**



**Report Photo #4 "Graders Moving Stripped Topsoil to Pile Outside Pad Boundary"**



**Site Location Map**

