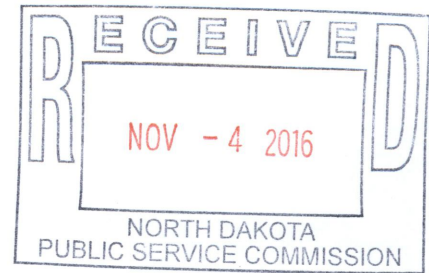


KEITU
ENGINEERS & CONSULTANTS, INC.

1403 27th STREET NW
PO BOX 98
MANDAN, ND 58554-0098
701-667-1800

November 2, 2016

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



ND PSC Case No. PU-15-725

Please find enclosed 2 copies for your review of the "As-Built Inspection Report" for Spring Creek Pump Station – McKenzie County, ONEOK Bakken Pipeline, LLC.

Keitu appreciates the opportunity to work with you on this project and the assistance you have provided to date. If you have questions, please call me to discuss them further. My phone number is (701) 667-1800.

Sincerely,

Jaimee Antognazzi
Operations Manager

Enclosure: As-Built Inspection Report - (2 copies)

44 **PU-15-725** Filed: 11/4/2016 Pages: 14
As-Built Inspection Report

Keitu Engineers & Consultants, Inc.
Jaimee Antognazzi, Operations Manager

As-Built Inspection Report

Spring Creek Pump Station - McKenzie County
ONEOK BAKKEN PIPELINE, LLC

ND PSC Case No. PU-15-725

Prepared for:

North Dakota Public Service Commission
Public Utilities Division
State Capitol
600 East Boulevard - Dept. 408
Bismarck, ND 58505-0480



October 2016

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Executive Summary

The State of North Dakota, acting through its North Dakota Public Service Commission (Commission), Division of Public Utilities, has contracted Keitu Engineers & Consultants, Inc. (Keitu) to perform consulting services for as-built siting inspections. This report addresses the Orders established by the Commission and issues established in Case No. PU-15-725.

The Spring Creek Pump Station is located in McKenzie County, ND. The Station is owned and operated by ONEOK Bakken Pipeline, LLC (ONEOK). Construction for the Project began in April 2016 and was completed in September 2016. The purpose of the construction inspection was to ensure the Project was constructed in compliance with the siting laws, rules, and the applicable PSC Order for the Project. Prior to the construction inspection, Keitu reviewed all Project documents to identify any and all aspects requiring site verification.

The site was visually inspected on October 13, 2016 by Keitu staff. Overall, the project was very well-maintained, secured, and in good condition. It appeared to be constructed as planned with numerous efforts to minimize impacts.

Keitu recommends that Tree and Shrub Update Reports be requested by the Commission in order for ONEOK to comply with conditions and limitations stated in the Findings of Fact, Conclusions of Law and Order dated September 7, 2011, Case No. PU-11-66 as required by Order #4. Keitu also recommends that as-built drawings be requested by the Commission for ONEOK to comply with Certification Point 33. The PSC will need to decide whether these recommendations are necessary to fulfill Project obligations. Keitu expects follow-up actions taken by ONEOK to address these issues can be corroborated in writing to the Commission.

Introduction

The Spring Creek Pump Station (Project) was approved and constructed in 2016. The Project is operated by ONEOK Bakken Pipeline, L.L.C. (ONEOK or OBP), a wholly owned subsidiary of ONEOK Partners, L.P. The Project is a transmission facility improvement to their existing Garden Creek to Riverview NGL Pipeline in south-central McKenzie County. The pump station consists of three (3) 1500HP electrically driven pumps. The Project has begun operation and future construction was stated to be limited to constructing a building over the pumps. The fenceline of the property encompasses approximately 1.8 acres while the leased property is less than 5 acres. The Project is under the jurisdiction of the North Dakota Public Service Commission (PSC or Commission), which issued its Order Amending Certificate and Permit for Case No. PU-15-725 on February 10, 2016.

Purpose and Scope of Inspection

The North Dakota Energy Conversion and Transmission Facility Act (North Dakota Century Code Chapter 49-22) authorizes the Public Service Commission to determine that the location, construction, and operation of jurisdictional energy conversion and transmission facilities will produce minimal adverse effects on the environment and welfare of the citizens of North Dakota. Construction inspections ensure the Project is constructed in compliance with siting laws, rules, and the applicable Commission Order Amending Certificate and Permit (Order).

The Commission retained Keitu Engineers & Consultants, Inc. (Keitu) to complete an as-built construction inspection of the Project. The inspection process included a review of the Application for Amended Corridor Certificate and Route Permit (Application), Order, Certification Relating to Order Provisions (Certification), and other applicable documents to determine Project-specific siting and construction requirements; a site visit and inspection of facilities; documentation of compliance; and a report summarizing findings. This report includes, but is not limited to, site visit observations, documentation of compliance deficiencies, and a summary of issues that should be addressed for the Project to be considered complete and in full compliance.

Methods

Keitu reviewed North Dakota siting laws and rules, the Application, Certification, and the Order for the Project to identify what Project-specific documentation was required for compliance. Keitu then reviewed Project documents in the PSC Online Case Search to identify those siting laws, rules, and Application and Order assertions that already had written verification, those that still required documentation, and those that required physical site verification.

Ryan Schaner, Keitu's Field Technician visited the Project area on October 13, 2016 to visually inspect the site. Digital photographs were taken showing typical Project infrastructure and documenting any problem areas (starting page 7). During the field visit, the pump station was in operation. The site was gated with a chain-link fence. The emergency shutdown valves were

noted in the SW and SE part of site and the receiving valve was located in the south central portion of the site. Stormwater prevention BMPs (silt fences) appeared to have been installed and were operating correctly.

Orders

The following section includes discussion of a list of components of the Project that were asserted in the Order which could be documented during the as-built inspection to verify compliance with siting laws, rules and the Order for the Project, via either written documentation or physical site verification. Included are detailed findings and observations from Keitu personnel involved in the as-built inspection for the Project.

1. OBP's application for a waiver of procedures and time schedules is granted.

In a December 21, 2015 motion (Docket #7), JSP moved the Commission to issue a Notice of Filing and Notice of Opportunity for Hearing in ONEOK Bakken Pipeline, L.L.C., Spring Creek Pump Station Project - McKenzie County, Siting Application, Case No. PU-15-725.

Order #1 is complete.

2. OBP's request for amendments from the designated corridor and route are granted, and OBP is issued Second Reissued Second Amended Certificate of Corridor Compatibility No. 122 and Second Reissued Amended Route Permit No. 131. The amended corridor will include the Project Survey Area, as depicted in Exhibit B of OBP's November 10, 2015 filing. The amended route will include the route depicted in Exhibit A of OBP's November 10, 2015 filing.

The Commission designated a transmission facility corridor and route for ONEOK Bakken Pipeline, LLC, for the construction of a 10-inch pipeline in McKenzie County, North Dakota, for the transmission of natural gas liquids. This certificate and permit (Docket #27) were issued in accordance with the Orders of the Commission dated September, 7, 2011 in Case No. PU-11-66, December 2, 2011 in Case No. PU-11-66, December 4, 2013 in Case No. PU-13-738, and February 10, 2016 in Case No. PU-15-725, and the company name change as authorized in PU-11-658, and is subject to the conditions and limitations stated in the Orders.

Order #2 is complete.

3. The authorizations granted by the Second Amended Certificate of Corridor Compatibility No. 122 and Second Amended Route Permit No. 131 are subject to modification by order of the Commission if deemed necessary to further protect the public or the environment.

A review of the project files did not indicate that any authorizations granted by Second Amended Certificate of Corridor Compatibility or Second Amended Route Permit were modified by the Commission to date.

Order #3 was followed.

4. **The amended corridor and route are subject to the conditions and limitations stated in the Findings of Fact, Conclusions of Law and Order dated September 7, 2011, Case No. PU-11-66; the Findings of Fact, Conclusions of Law and Order dated December 2, 2011, Case No. PU-11-66; the company name change as authorized in PU-11-658; and the Order Reissuing Certificate and Permit dated December 4, 2013, Case No. PU-13-738; and are subject to the conditions and limitations stated in the Orders.**

A post-construction inspection was completed for Case No. PU-11-66 which included Orders referenced above dated September 7, 2011 and December 2, 2011. In that report (Docket #83 in Case No. PU-11-66) dated November 18, 2013, Keitu made the following recommendations: (1) Documentation of re-vegetation surveys and noxious weed surveys will be required for Order #17 to be complete and (2) Order #20 is deemed incomplete until documentation can be provided to the Commission indicating survival rates or replanting of trees and shrubs as needed on a yearly basis for 3 years following replanting. The Commission sent a letter requesting additional information on August 28, 2015 (Docket #88 in Case No. PU-11-66).

ONEOK Rockies Midstream, L.L.C. (ORM) submitted a response on October 13, 2015 (Docket #89 in Case No. PU-11-66). For recommendation one (1) above, ORM's response was "ORM conducted its revegetation efforts for the Garden Creek to Riverview NGL Pipeline as part of its construction stormwater permitting requirements under the state's General Construction Permit, which has been closed with the NDDH. Under the NDDH General Permit, an applicant has achieved revegetation when the project has obtained a 70% revegetation with permitted native species, which was accomplished for the Garden Creek to Riverview NGL Pipeline. All revegetation efforts are conducted in accordance with the North Dakota Noxious Weed Statute, NDCC § 4.1-47-02, which does not require separate noxious weed surveys." Keitu considers this issue to be resolved.

For recommendation two (2) above, ORM's response was "At this time, ORM does not have any Tree and Shrub Update Reports to provide. ORM plans to complete the Tree and Shrub Mitigation Plan for the Garden Creek to Riverview Natural Gas Liquids Pipeline as part of its planned expansion project for its 16-inch Garden Creek Loop NGL Pipeline Project for which ORM's affiliate, ONEOK Bakken Pipeline, L.L.C., intends to file an application for a Route Permit and Corridor Certificate during October 2015." ONEOK Bakken Pipeline, L.L.C. submitted an Application for Corridor Certificate and Route Permit for its 16-inch Garden Creek Loop NGL Pipeline Project on October 16, 2015 (Case No. PU-15-694). To date, no Tree and Shrub Update Reports have been provided for Case No. PU-11-66 or Case No. PU-15-694 to fulfill this requirement.

Order #4 is deemed incomplete until documentation can be provided to the Commission indicating survival rates or replanting of trees and shrubs as needed on a yearly basis for 3 years following

replanting to comply with conditions and limitations stated in the Findings of Fact, Conclusions of Law and Order dated September 7, 2011, Case No. PU-11-66.

- 5. OBP is required to comply with all applicable laws, rules, and/or regulations in the event it desires to construct another or a different transmission facility than was specified in the application within the corridor granted in this proceeding.**

To date, ONEOK has complied with all applicable laws, rules, and/or regulations to construct additional or different transmission facilities than was specified in the application and order.

Order #5 was followed.

Certification

The following section includes discussion of relevant items included in the Certification attached by reference to original Order (Docket #28 in Case No. PU-11-66). This Certification was also reviewed with ONEOK and a Commission representative during the preconstruction conference. As noted in the preconstruction conference, not all original 37 certification points are relevant to the Spring Creek Pump Station Project.

1. Certification Point 2 – Preconstruction Conference

A preconstruction meeting was held to ensure all contractors fully understand the conditions set forth in the Order. The preconstruction conference (Docket #36) was held on April 13, 2016. In attendance was Julie Prescott, representing the PSC, as well as representatives from ONEOK Partners and Keitu.

Certification Point 2 was followed.

2. Certification Point 5 – Weekly Progress Reports

ONEOK submitted a notice of intent to commence construction on April 20, 2016 (Docket #36). During construction, ONEOK was to provide weekly project status emails. The most recent weekly progress report was for the week ending 7-2-2016 (Docket #40). At the time of this progress report construction was on-going. No further progress reports have been docketed.

In Keitu's opinion, Certification Point 5 has not been satisfied.

3. Certification Point 29 – Procedure for Landowner Complaints

ONEOK provided the Commission with a brochure on April 20, 2016 (Docket #36). This brochure will instruct landowners to the appropriate channel for contacting ONEOK.

Certification Point 29 was satisfied.

4. Certification Point 33 – As-built Drawings

In the certification document, ONEOK agreed to provide the Commission with electronic and a paper copy of the design specifications for the construction of the transmission facility showing the location of the transmission facility as built, and will provide this information within three months of the completion of the construction. To date, there is no indication that the Commission has been provided with as-built drawings, either electronically or on a paper copy, for the Spring Creek Pump Station. At the time of this report, the three month timeline for the drawing to be provided as not yet been met.

Keitu recommends that as-built drawings be requested by the Commission for ONEOK to comply with Certification Point 33.

Conclusions

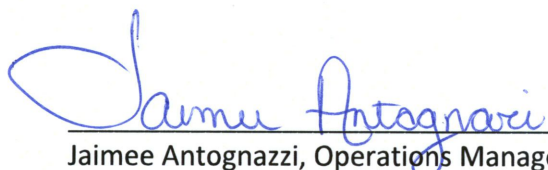
Overall, the Project appeared to be constructed as designed with minimal impacts to the surrounding environment. The Project site was in good condition and well maintained.


Keitu recommends that Tree and Shrub Update Reports be requested by the Commission in order for ONEOK to comply with conditions and limitations stated in the Findings of Fact, Conclusions of Law and Order dated September 7, 2011, Case No. PU-11-66 as required by Order #4. Keitu also recommends that as-built drawings be requested by the Commission for ONEOK to comply with Certification Point 33. The PSC will need to decide whether these recommendations are necessary to fulfill Project obligations. Keitu expects follow-up actions taken by ONEOK to address these issues can be corroborated in writing to the Commission.

Management Review

The services performed by Keitu and its staff for this project have been conducted in a manner consistent with the degree of care and technical skill appropriately exercised by professionals currently practicing in this area under similar time and budget constraints.

Recommendations and findings contained in this report represent our professional judgment and are based upon available information and technically accepted practices at the present time and location. Other than this, no warranty is implied or expressed.


 Jaimee Antognazzi, Operations Manager


 Date

Report Photo #1 "Site Entrance"



Report Photo #2 "Overview of Site"



Report Photo #3 "Three Pumps"



Report Photo #4 "Above Ground Piping"



Report Photo #5 "Electrical Enclosure"



Report Photo #6 "Connection to Pipeline"



Report Photo #7 "Ongoing Reclamation around Site"



Report Photo #8 "Topsoil Pile"



Site Location – Spring Creek Pump Station (McKenzie County)

