



**ONEOK Cherry Creek Extension Pipeline Project McKenzie
County**

Construction Inspection Report

Docket Number: PU-23-015

Prepared for North Dakota Public Service Commission



December 2023

Construction Inspection Report

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Contents

1	Executive Summary	2
2	Background and Scope	3
2.1	Introduction	3
2.2	Regulatory Purpose and Need	3
2.3	Scope of Work	3
3	Findings of Site Inspection.....	4
3.1	Methods	4
3.2	On-Site Inspection Observations.....	4
4	Issues to Resolve and Recommendations.....	4
5	Signatures	6

List of Appendices

Appendix A Photo Log and Observation Maps

1 Executive Summary

The North Dakota Public Service Commission (Commission) retained Meadowlark Environmental, LLC (Meadowlark) to complete a construction inspection for the Cherry Creek Extension Pipeline Project in McKenzie County, North Dakota (ND), constructed by ONEOK Rockies Midstream, LLC (ONEOK). The purpose of the inspections is to ensure the project is constructed in compliance with siting laws and rules and the applicable PSC Orders for the project.

The construction inspection was conducted on December 5, 2023. The inspection occurred during the process of ditching pipe into the ground and backfilling with subsoil. The south end of the pipeline had been completed at the time of inspection with the construction crews working their way north and west toward the Lonesome Creek Gas Plant. At the time of the inspection, crews were in the process of ditching, lowering pipe, backfilling lowered pipe with subsoil, and boring across 137th Ave NW. All subsoil piles were properly segregated from topsoil piles and vegetation removal was consistent with the tree and shrub mitigation plan. No major issues were observed.

2 Background and Scope

2.1 Introduction

The Cherry Creek Extension Pipeline Project is being constructed by ONEOK to extend its existing 12-inch diameter NGL pipeline. The Project will originate at ONEOK's existing Lonesome Creek Gas Plant and terminate at the existing Antelope Creek Junction, where ONEOK will deliver NGLs into OBP's Demicks Lake Pipeline and/or OPB's Garden Creek 10-inch Pipeline.

The Lonesome Creek Gas Plant, where the Project originates, is located in Section 36, Township 150 North, Range 101 West. From there, the Project runs generally east and south through Sections 31 and 32, Township 150 North, Range 100 West, and Section 5, Township 149 North, Range 100 West. The Project terminates at the Antelope Creek Junction located in Section 8, Township 149 North, Range 100 West. The entire project is located in McKenzie County, North Dakota.

The Project is under the jurisdiction of the North Dakota Public Service Commission (Commission), which issued its Findings of Fact, Conclusions of Law, and Order on March 8, 2023, and issued the First Amended Certificate of Corridor Compatibility No. 203 and the First Amended Route Permit No. 213 for the Project.

2.2 Regulatory Purpose and Need

The North Dakota Energy Conversion and Transmission Facility Act (North Dakota Century Code Chapter 49-22) charges the Public Service Commission with determining that the location, construction, and operation of jurisdictional energy conversion and transmission facilities will produce minimal adverse effects on the environment and the welfare of citizens of North Dakota. Inspections during construction ensure that such projects are built in compliance with the siting laws (North Dakota Century Code Chapter 49-22) and rules (North Dakota Administrative Code Article 69-06) and the applicable Commission Orders.

2.3 Scope of Work

The North Dakota Public Service Commission retained Meadowlark to perform a construction inspection of the Project. Meadowlark's scope of work was to complete and document an on-site inspection during the construction of the pipeline to verify that the project was in compliance with the siting laws, rules, and applicable Commission Orders. This report contains site visit observations and a summary of findings and issues that should be addressed for the Project.

3 Findings of Site Inspection

3.1 Methods

Zach Peterson, Project Manager/Field Inspector for Meadowlark visited the Project site on December 5, 2023 to conduct the construction inspection. Representative for ONEOK Adam Weishair, Environmental Inspector, accompanied Mr. Peterson. The inspection occurred between 9:00 and 11:30 AM. Construction activities for the Project were occurring for the Project at the time of the visit.

Mr. Peterson observed pipe being lowered into the ground, ditching of ground, backfilling of subsoil, and boring activities underneath a roadway. The south end of the project was also visited to observe the portions of the project that construction activities have been completed. Construction activities appeared to be in compliance with the Commission's Orders. Photos (iPhone 12) were taken with a GIS overlay and without the overlay at observation points to record the geographic locations of the observation points visited during the inspection.

3.2 On-Site Inspection Observations

Mr. Peterson met Mr. Weishair at the Antelope Creek Junction station at the intersection of 137th Ave NW and 24th St NW. Construction activities were occurring along 137th Ave NW, with construction crews working northward to where the project crosses west across the road toward the Lonesome Creek Gas Plant. Pipe was laid in ditched ground approximately 5 feet deep. An excavator was backfilling subsoil where pipe was in the ground. The subsoil piles were placed on the opposite side of the cleared area than the topsoil piles. At the point where the pipeline crosses west across 137th NW, an HDD boring machine was in the process of boring underneath the road. The project runs west from that point to the Lonesome Creek Gas Plant.

The south end of the project was observed where construction activities had been completed. All subsoil and topsoil had been replaced over the pipeline and graded to as near as practical to the contours that existed prior to construction. The ROW had not been reseeded at the time of the inspection.

All construction activities observed appeared to be acceptable and in compliance with the Commission's Orders.

4 Issues to Resolve and Recommendations

Construction activities were noted to be acceptable and in compliance with the Commission's Orders. As construction of the pipeline is completed, reclamation of the bore pits and installation of silt fence and other BMPs will be required.

Potential Issues	Recommendations
Reclamation of bore pits	When construction is completed, the HDD bore pits will need to be reclaimed and excess water removed.
SWPPP BMPs	Silt fence, wattles and other erosion devices will need to be installed and monitored until vegetation is reestablished along ROW.

5 Signatures

The services performed by Meadowlark staff for this project have been conducted in a manner consistent with the technical skill and degree of care exercised by professionals currently practicing in this discipline under similar time and budget constraints. Findings and recommendations represent our professional judgement and are based on available information and accepted practices. No warranty is implied or expressed beyond this.



Zach Peterson, Inspector

12/18/2023

Date

Appendices

Photo Log and Observation Maps

On-Site Photographs

ONEOK Cherry Creek Extension Pipeline Project- McKenzie County



Photo #: 1

Direction: North

Description: Overview of where the pipeline was bored under an intermittent stream.

Observer: Zach Peterson

Date: 12/5/2023

Latitude: 47.756650

Longitude: -103.519000



Photo #: 2

Direction: North

Description: View of north end of bore and pipeline running north along 137th Ave NW.

Observer: Zach Peterson

Date: 12/5/2023

Latitude: 47.756.517

Longitude: -103.518433

On-Site Photographs

ONEOK Cherry Creek Extension Pipeline Project- McKenzie County



Photo #: 3

Direction: South

Description: Pipe laid out to be ditched near intersection of 137th Ave NW and 24th St NW.

Observer: Zach Peterson

Date: 12/5/2023

Latitude: 47.761500

Longitude: -103.518450



Photo #: 4

Direction: South

Description: Pipe recently ditched along 137th Ave NW.

Observer: Zach Peterson

Date: 12/5/2023

Latitude: 47.766300

Longitude: -103.518450

On-Site Photographs

ONEOK Cherry Creek Extension Pipeline Project- McKenzie County



Photo #: 5

Direction: South

Description: Recently ditched pipe running along 137th Ave NW with excavator backfilling subsoil.

Observer: Zach Peterson

Date: 12/5/2023

Latitude: 47.766300

Longitude: -103.518417



Photo #: 6

Direction: North

Description: Recently ditched pipe running north along 137th Ave NW with subsoil and topsoil segregated on each side of the pipe.

Observer: Zach Peterson

Date: 12/5/2023

Latitude: 47.766300

Longitude: -103.518400

On-Site Photographs

ONEOK Cherry Creek Extension Pipeline Project- McKenzie County



Photo #: 7

Direction: East

Description: Boring machine boring west underneath 137th Ave NW.

Observer: Zach Peterson

Date: 12/5/2023

Latitude: 47.768283

Longitude: -103.518417



Photo #: 8

Direction: North

Description: Completed section of pipeline on the south end near Antelope Creek Junction.

Observer: Zach Peterson

Date: 12/5/2023

Latitude: 47.733867

Longitude: -103.515767

Cherry Creek Pipeline Ext.

PU-23-015
Construction Inspection Photos

Legend



-  Cherry Creek Pipeline Extension
-  Photo

Photo 7

Photos 4, 5, 6

Photo 3

Photo 1

Photo 2

Photo 8



3 mi