AIR POLLUTION CONTROL PERMIT TO CONSTRUCT

Permittee: **Name**: ONEOK Rockies Midstream, L.L.C. **Address**: 100 West Fifth Street Tulsa, Oklahoma 74103	**Permit Number**: ACP-18290 v 1.0 **Permit Description**: Synthetic Minor
Source Name & Location: Lost Bridge Compressor Station & Corral Creek Compressor Station SE ¼, Sec. 25, T147N, R96W Lat/Long: 47.51730/-102.84840 Dunn County, North Dakota	**Source Type**: Compressor Stations [Gathering/Boosting]
Date of Application: February 6, 2025	

Pursuant to Chapter 23.1-06 of the North Dakota Century Code (NDCC), and the Air Pollution Control Rules of the State of North Dakota (Article 33.1-15 of the North Dakota Administrative Code or NDAC), and in reliance on statements and representations heretofore made by the permittee (i.e., owner) designated above, a Permit to Construct is hereby issued authorizing such permittee to construct and initially operate the source unit(s) at the location designated above. This Permit to Construct is subject to all applicable rules and orders now or hereafter in effect of the North Dakota Department of Environmental Quality (Department) and to any conditions specified below:

_____ Date: _____

James L. Semerad
Director
Division of Air Quality

1. Project and Facility Emissions Units:

This Permit to Construct allows the construction and initial operation of the herein-mentioned new or modified equipment at the source. The source may be operated under this Permit to Construct until a Permit to Operate is issued unless this permit is suspended or revoked. The source is subject to all applicable rules, regulations, and orders now or hereafter in effect of the North Dakota Department of Environmental Quality and to the conditions specified herein.

Table 1-1 lists the new emissions units associated with the Project.

Table 1-2 lists the emissions units that are being removed from the facility.

Table 1-3 lists all emissions units associated with the facility upon Project completion.

Table 1-1: Project Emissions Units (new to facility)

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Air Pollution Control Equipment
Corral Creek Compressor Station			
Flare (process/emergency)	CC-FL-3	CC-FL-3	None

Table 1-2: Emissions Units Removed from facility

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Air Pollution Control Equipment
Corral Creek Compressor Station			
Flare (process/emergency)	CC-FL-1	CC-FL-1	None

Table 1-3: Facility Emissions Units upon Project Completion

Emission Unit Description	Emission Unit (EU) [A]	Emission Point (EP)	Air Pollution Control Equipment
Lost Bridge Compressor Station			
Six 400-barrel condensate tanks (NSPS OOOOa)	LB-TK-1 through LB-TK-6 [B]	LB-FL-1	Submerged Fill Pipe (SFP) & Vapor Recover Unit (VRU)
200-barrel methanol tank	LB-MTK-1	LB-MTK-1	SFP
24-barrel methanol tank	LB-MTK-2	LB-MTK-2	None
Condensate truck loading	LB-TL-1	LB-TL-1	Submerged fill arm
Flare (process/emergency)	LB-FL-1	LB-FL-1	None
Miscellaneous venting and blowdowns	LB-BD	LB-BD	None

Emission Unit Description	Emission Unit (EU) [A]	Emission Point (EP)	Air Pollution Control Equipment
Fugitive emissions (NSPS OOOOa)	LB-FUG-1	LB-FUG-1	Leak Detection and Repair Program (LDAR)
Seven electric-driven compressors (NSPS OOOO) [C]	LB-EC-1 through LB-EC-7 [D, E]	LB-EC-1 through LB-EC-7	NSPS Subpart OOOO
Corral Creek Compressor Station			
Six 400-barrel condensate tanks (NSPS OOOOa)	CC-TK-1 through CC-TK-6 [B]	CC-FL-2	Submerged Fill Pipe (SFP) & Flare (CC-FL-2)
Two 400-barrel produced water tanks (NSPS OOOOa)	CC-WTK-1 & CC-WTK-2	CC-WTK-1 & CC-WTK-2	SFP & Flare (CC-FL-2)
400-barrel methanol tank	CC-MTK-1	CC-MTK-1	None
Condensate truck loading	CC-TL-1	CC-TL-1	Submerged fill arm
Tank Flare	CC-FL-2	CC-FL-2	None
Flare (process/emergency) [F]	CC-FL-3	CC-FL-3	None
Miscellaneous Venting and Blowdowns	CC-BD	CC-BD	None
Fugitive emissions (NSPS OOOOa)	CC-FUG-1	CC-FUG-1	Leak Detection and Repair Program (LDAR)
Three electric-driven compressors (NSPS OOOOa) [G]	CC-EC-1 through CC-EC-3 [D, E]	CC-EC-1 through CC-EC-3	NSPS Subpart OOOOa

[A] EUs starting with LB are on the Lost Bridge Compressor Station location. EUs starting with CC are at the Corral Creek Compressor Station location.

[B] Tanks LB-TK-1, LB-TK-4, CC-TK-1, and CC-TK-4 are flash tanks.

[C] The compressors dirven by EUs LB-EC-1 through LB-EC-7 were manufactured from the earliest date of October 2012 to the latest date of June 2015, and therefore, are subject to the requirements of NSPS Subpart OOOO.

[D] This is an existing emission unit incorporated with this permit action. There are no physical modifications or regulatory applicability changes to this emission unit with this permit action.

[E] Insignificant or fugitive emission source (no specific emission limits).

[F] New unit associated with this permit action.

[G] The compressors driven by EUs CC-EC-1 through CC-EC-3 were manufactured in November 2019 and December 2019, and therefore, are subject to the requirements of NSPS OOOOa.

2. Applicable Standards, Restrictions and Miscellaneous Conditions:

A. New Source Performance Standards (NSPS):

The permittee shall comply with all applicable requirements of the following NSPS subparts, in addition to Subpart A, as referenced in Chapter 33.1-15-12 of the North Dakota Air Pollution Control Rules and 40 CFR 60.

1) 40 CFR 60, Subpart OOOO – Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or Before September 18, 2015. The compressors driven by EUs LB-EC-1 through LB-EC-7 are subject to this subpart. (Applicability to this subpart is not affected with this permit action.)

2) 40 CFR 60, Subpart OOOOa – Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015, and on or Before December 6, 2022 (EUs LB-FUG-1 & CC-FUG-1). The compressors driven by EUs CC-EC-1 through CC-EC-3 are subject to this subpart. (Applicability to this subpart is not affected with this permit action.)

B. Flare Restrictions (EU CC-FL-2):

1) The flare shall be designed and operated with no visible emissions except for periods not to exceed a total of 1 minute per 15-minute period per hour. Reference Method 22 of 40 CFR 60, Appendix A shall be used to determine compliance with this visible emissions provision.

2) The flare shall be operated with a flame present at all times when gas may be directed to the flare. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame. If a continuous burning pilot is not installed, the flare must be equipped and operated with an automatic ignitor as outlined in NDAC 33.1-15-07-02.

3) The permittee shall monitor the flare to ensure that it is operated and maintained in conformance with the manufacturer designs and specifications.

4) When it is necessary to operate the flare during emergency, malfunction or maintenance, all precautions shall be taken to minimize emissions and maintain compliance with the applicable ambient air quality standards as outlined in NDAC 33.1-15-02.

C. Emergency Flare Restrictions (EUs LB-FL-1 & CC-FL-3)

1) When it is necessary to operate the flare during emergency, malfunction or maintenance, all precautions shall be taken to minimize emissions and maintain compliance with the applicable ambient air quality standards as outlined in NDAC 33.1-15-02 and the opacity standard of 20% not to exceed 60% for more than one six-minute period per hour.

2) The flare must be equipped and operated with an automatic ignitor or a continuous burning pilot which must be maintained in good working order as outlined in NDAC 33.1-15-07-02.

3) The presence of a flame shall be monitored using a thermocouple or any other equivalent device approved by the Department.

3. Emission Unit Limits:

Emission limits from the operation of the source unit(s) identified in Table 1-3 of this Permit to Construct (hereafter referred to as "permit") are as follows. Source units not listed are subject to the applicable emission limits specified in the North Dakota Air Pollution Control Rules.

Upon issuance of this permit, the emission limits set forth in all previous Air Permit to Construct Nos., including but not limited to: ACP-17317 v1.0 (PTC11020) and ACP-17642 v1.0 (PTC14052) are rescinded. The emission limits are replaced with the following:

Table 3-1: Permit Emissions Limits

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Pollutant / Parameter	Emission Limit
Flare (process/emergency) [A]	LB-FL-1	LB-FL-1	Opacity	20% (60%) [B]
Flare (tank) [A]	CC-FL-2	CC-FL-2	Opacity	0% See Condition 2.B
Flare (process/emergency) [C]	CC-FL-3	CC-FL-3	Opacity	20% (60%) [B]
Condensate truck loading [A]	LB-TL-1	LB-TL-1	VOC	See Condition 3.A
Condensate truck loading [A]	CC-TL-1	CC-TL-1	VOC	
Condensate tanks	LB-TK-1 through LB-TK-6	LB-FL-1	VOC	See Condition 3.B
Condensate tanks	CC-TK-1 through CC-TK-6	CC-FL-2	VOC	See Condition 3.B

[A] Not affected with this permit action. Included for ease of permit revision or renewal.
[B] 60% opacity is permissible for not more than one six-minute period per hour.
[C] New unit associated with this permit action.

A. Condensate Loadout (EUs LB-TL-1 & CC-TL-1) Throughput[1]:

The permittee shall not exceed 250,000 barrels per year (12-month rolling average) of condensate loadout. For compliance demonstration, the permittee shall track the monthly condensate loadout.

By the 15th day of each month, the permittee must record the throughput of condensate truck loading (EUs LB-TL-1 & CC-TL-1) for the previous month and the previous 12-month period (12-month rolling total). These records will be kept for a period of at least five years. If the amount throughput exceeds 250,000 barrels in any 12-month period, the permittee shall notify the Department by the 25th day of the month in which the calculation was made. The permittee shall also initiate action to control LB-TL-1 and CC-TL-1 VOC emissions in accordance with Department policy[2] if this limit is exceeded.

B. VOC Emissions Restrictions:

1) EUs LB-TK-1 through LB-TK-6, CC-TK-1 through CC-TK-6, VOC emissions shall not exceed 5.99 tpy per tank determined monthly on a 12-month rolling average.

2) Records shall be kept on file (in an easily accessible format, electronic or otherwise) for five years and shall be submitted to the Department upon request.

4. Emission Testing Requirements:

A. Sampling and Testing:

The Department may require the permittee to conduct tests to determine the emission rate of air contaminants from the source. The Department may observe the testing and may specify testing methods to be used. A signed copy of the test results shall be furnished to the Department within 60 days of the test date. The basis for this condition is NDAC 33.1-15-01-12 which is hereby incorporated into this permit by reference. To facilitate preparing for and conducting such tests, and to facilitate reporting the test results to the Department, the permittee shall follow the procedures and formats in the Department's Emission Testing Guideline.

5. General Conditions (Equipment):

A. Best Management Practices:

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution

[1] Condition II.C of ACP-18109 v1.0 has been rescinded with this permit action and replaced with the following Condition 3.A.

[2] See February 3, 2020, Compliance Requirements for Condensate Truck Loadout Emissions. Available at: https://www.deq.nd.gov/publications/AQ/policy/PC/Cond_Loadout_Memo.pdf

control equipment in a manner consistent with good air pollution control practice for minimizing emissions.

B. Operation of Air Pollution Control Equipment:

The permittee shall maintain and operate all air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.

C. Stack Heights:

The stack height of (EU CC-FL-3) shall be at least 1.5 times the nearby building height. A nearby building is any building located a distance of less than five times the building height from the stack.

D. Organic Compound Emissions:

The permittee shall comply with all applicable requirements of NDAC 33.1-15-07 – Control of Organic Compounds Emissions.

E. Air Pollution from Internal Combustion Engines:

The permittee shall comply with all applicable requirements of NDAC 33.1-15-08-01 – Internal Combustion Engine Emissions Restricted.

F. Fugitive Emissions:

The release of fugitive emissions shall comply with the applicable requirements in NDAC 33.1-15-17.

6. General Conditions (Procedural):

A. Construction:

Construction of the above-described facility shall be in accordance with information provided in the permit application as well as any plans, specifications and supporting data submitted to the Department. The Department shall be notified 10 days in advance of any significant deviations from the specifications furnished. The issuance of this Permit to Construct may be suspended or revoked if the Department determines that a significant deviation from the plans and specifications furnished has been or is to be made.

Any violation of a condition issued as part of this permit to construct as well as any construction which proceeds in variance with any information submitted in the application, is regarded as a violation of construction authority and is subject to enforcement action.

B. Startup Notice:

A notification of the actual date of initial startup shall be submitted to the Department within 15 days after the date of initial startup.

C. Permit Invalidation:

This permit shall become invalid if construction is not commenced within 18 months after issuance of such permit, if construction is discontinued for a period of 18 months or more; or if construction is not completed within a reasonable time.

D. Source Operations:

Operations at the installation shall be in accordance with statements, representations, procedures and supporting data contained in the initial application, and any supplemental information or application(s) submitted thereafter. Any operations not listed in this permit are subject to all applicable North Dakota Air Pollution Control Rules.

E. Alterations, Modifications, or Changes:

Any alteration, repairing, expansion, or change in the method of operation of the source which results in the emission of an additional type or greater amount of air contaminants or which results in an increase in the ambient concentration of any air contaminant, must be reviewed and approved by the Department prior to the start of such alteration, repairing, expansion or change in the method of operation.

F. Recordkeeping:

The permittee shall maintain any compliance monitoring records required by this permit or applicable requirements. The permittee shall retain records of all required monitoring data and support information for a period of at least five years from the date of the monitoring sample, measurement, report or application. Support information may include all calibration and maintenance records and all original strip-chart recordings/computer printouts for continuous monitoring instrumentation, and copies of all reports required by the permit.

G. Annual Emission Inventory/Annual Production Reports:

The permittee shall submit an annual emission inventory report and/or an annual production report upon Department request, on forms supplied or approved by the Department.

H. Malfunction Notification:

The permittee shall notify the Department of any malfunction which can be expected to last longer than twenty-four hours and can cause the emission of air contaminants in violation of applicable rules and regulations.

I. Nuisance or Danger:

This permit shall in no way authorize the maintenance of a nuisance or a danger to public health or safety.

J. Transfer of Permit to Construct:

The holder of a permit to construct may not transfer such permit without prior approval from the Department.

K. Right of Entry:

Any duly authorized officer, employee or agent of the North Dakota Department of Environmental Quality may enter and inspect any property, premise or place at which the source listed in Condition 1 of this permit is located at any time for the purpose of ascertaining the state of compliance with the North Dakota Air Pollution Control Rules. The Department may conduct tests and take samples of air contaminants, fuel, processing material, and other materials which affect or may affect emissions of air contaminants from any source. The Department shall have the right to access and copy any records required by the Department's rules and to inspect monitoring equipment located on the premises.

L. Other Regulations:

The permittee of the source unit(s) described in Condition 1 of this permit shall comply with all State and Federal environmental laws and rules. In addition, the permittee shall comply with all local burning, fire, zoning, and other applicable ordinances, codes, rules and regulations.

M. Permit Issuance:

This permit is issued in reliance upon the accuracy and completeness of the information set forth in the application. Notwithstanding the tentative nature of this information, the conditions of this permit herein become, upon the effective date of this permit, enforceable by the Department pursuant to any remedies it now has, or may in the future have, under the North Dakota Air Pollution Control Law, NDCC Chapter 23.1-06.

7. State Enforceable Only Conditions (not Federally enforceable)

A. Odor Restrictions:

The permittee shall not discharge into the ambient air any objectionable odorous air contaminant which is in excess of the limits established in NDAC 33.1-15-16.