

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-18266 v 1.0
Source Name & Location: Alamo Compressor Station SW ¼, SW ¼, Sec. 23, T158N, R100W Lat/Long: 19.190143/-103.579431 Williams County, North Dakota	Permit Description: Synthetic Minor
Date of Application:	Source Type: Compressor Station [Gathering/Boosting]
August 26, 2024	

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:

 James L. Semerad
 Director
 Division of Air Quality

Date: _____

1. Project and Facility Emissions Units:

This Permit to Construct updates emissions and establishes a synthetic minor limit for the condensate truck loadout at the source.

This Permit to Construct does not allow for the construction of any new emissions units at the facility and does not allow for the modification or reconstruction of any existing emissions units.

Table 1-1 lists the emissions units associated with the Alamo Compressor Station.

Table 1-1: Source-wide Permitted Equipment.

Emission Unit Description ^A	Emission Unit (EU)	Emission Point (EP)	Air Pollution Control Equipment
Waukesha P939GSI S5 (4SRB) natural gas-fired compressor engine rated 2,500 hp (NSPS JJJJ & MACT ZZZZ) (NSPS OOOOb) ^B	C-7	C-7	Non-selective catalytic reduction (NSCR)
Six 400-bbl condensate tanks (NSPS OOOOb) ^C	TK-1 through TK-3, TK-6 through TK-8	VRU	Vapor Recovery Unit (VRU)
200-bbl methanol tank	TK-4 ^D	TK-4	None
Condensate truck loading ^C	TL-1	TL-1	None
Emergency flare	FL-1	FL-1	None
Fugitive Emissions (NSPS OOOOb)	FUG ^D	FUG	Leak Detection and Repair (LDAR) Program
Blowdowns and maintenance venting	BD ^D	BD	None
Three electric-driven compressors (NSPS OOOO) ^E	EC-1 through EC-3 ^D	EC-1 through EC-3	NSPS OOOO
Three electric-driven compressors (NSPS OOOOa) ^F	EC-4 through EC-6 ^D	EC-4 through EC-6	NSPS OOOOa

^A All emission unit ratings are considered nominal ratings.

^B The compressor driven by the natural gas-fired engine is subject to NSPS OOOOb.

^C Emission unit(s) affected with this permit action.

^D Insignificant or fugitive emission source (no specific emission limits).

^E The compressor driven by the engine is subject to NSPS OOOO.

^F The compressor driven by the engine is subject to 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. (EUs EC-1 through EC-3) 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. The electric-driven compressors (EUs EC-4 through EC-6) are subject to this subpart. (Applicability to this subpart is not affected with this permit action.)
- 3) 40 CFR 60, Subpart OOOOb – Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After December 6, 2022 (EU FUG). The compressor driven by EU C-7 is subject to this subpart. The tank battery (EUs TK-1 through TK-3 & TK-6 through TK-8) is also subject to this subpart.

3. Emission Unit Limits:

Emission limits from the operation of the source unit(s) identified in Table 1-1 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.

Table 3-1: Permit Emissions Limits

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Pollutant / Parameter	Emission Limit
Natural gas-fired engine	C-7	C-7	NO _x	1.0 g/hp-hr or 82 ppmvd @ 15% O ₂ ^{A, B}
			CO	2.0 g/hp-hr or 270 ppmvd @ 15% O ₂ ^{A, B}
			VOC	0.7 g/hp-hr or 60 ppmvd @ 15% O ₂ ^{A, B}
			Opacity	20% ^{A, C}
Emergency flare	FL-1	FL-1	Opacity	0%/Condition 2.D of ACP-18226 ^A
Condensate truck loading	TL-1	TL-1	VOC	Condition 3.A ^D
Six 400-bbl condensate tanks	TK-1 through TK-3, TK-6 through TK-8	VRU	N/A	Per NSPS, Subpart OOOOb ^E
Three electric-driven compressors	EC-1 through EC-3	EC-1 through EC-3	VOC	Per NSPS, Subpart OOOO ^A
Three electric-driven compressors	EC-4 through EC-6	EC-4 through EC-6	VOC	Per NSPS, Subpart OOOOa ^A

^A Not affected with this permit action. Included for table completeness.

^B Compliance determined via emissions testing.

^C 40% opacity is permissible for not more than one six-minute period per hour.

^D New limit associated with this permit action.

^E Limit from ACP-18226 v1.0 rescinded with this permit action. EUs TK-1 through TK-3 and TK-6 through TK-8 shall comply with NSPS Subpart OOOOb.

A. Condensate Loadout (EU TL-1) Throughput:

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 (EU 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 EU TL-1 VOC emissions in accordance with Department policy¹ if this limit is exceeded.

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 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. Organic Compound Emissions:

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

D. 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.

¹ 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

E. Fugitive Emissions:

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

6. General Conditions (Procedural):

A. 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.

B. 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.

C. 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.

D. 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.

E. 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.

F. 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.

G. Nuisance or Danger:

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

H. Transfer of Permit to Construct:

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

I. 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.

J. 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.

K. 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.