AIR POLLUTION CONTROL PERMIT TO CONSTRUCT

Permittee: **Name**: ONEOK Rockies Midstream, L.L.C. **Address**: 100 W Fifth Street Tulsa, OK 74103	**Permit Number**: ACP-18315 v1.0 **Permit Description**: Synthetic Minor
Source Name & Location: Flatlands Compressor Station Lat/Long: 48.082889, -103.170722 SW ¼, Sec. 9, T153N, R97W McKenzie County	**Source Type**: Natural Gas Compressor Station
Date of Application: July 31, 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 associated with the facility upon Project completion.

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

Emission Unit Description [A]	Emission Unit (EU)	Emission Point (EP)	Air Pollution Control Equipment
Two Caterpillar G3608 LE compressor engines (4SLB) rated 2,370 bhp each (Post July 1, 2010) (NSPS JJJJ & MACT ZZZZ) (NSPS OOOOa) [B]	C-1 & C-2	C-1 & C-2	Oxidation Catalyst Rod Packing Monitoring

[A] All emission unit ratings are considered nominal ratings.

[B] The compressors driven by the natural gas-fired engines are subject to NSPS OOOOa.

Table 1-2 Facility Emissions Units Upon Project Completion

Emission Unit Description [A]	Emission Unit (EU)	Emission Point (EP)	Air Pollution Control Equipment
Two Caterpillar G3608 LE compressor engines (4SLB) rated 2,370 bhp each (Post July 1, 2010)(NSPS JJJJ & MACT ZZZZ) (NSPS OOOOa) [B]	C-1 & C-2 [B, D]	C-1 & C-2	Oxidation Catalyst Rod Packing Monitoring
Ten 400-barrel fixed-roof condensate storage tanks	TK-1 through TK-10 [C, F]	N/A[F]	Submerged fill pipe (SFP); Vapor Recovery Unit (VRU)

Emission Unit Description [A]	Emission Unit (EU)	Emission Point (EP)	Air Pollution Control Equipment
One 400-barrel LACT divert tank	LTK-1 [C, F]	N/A[F]	SFP; VRU
Two 400-barrel fix-roof produced water storage tanks	WTK-1 & WTK-2 [C ,F]		SFP; VRU
One 400-barrel methanol storage tank	MTK-1 [C]	MTK-1	SFP
Emergency flare	FL-1 [C]	FL-1	--
Condensate truck loading	TL-1 [C]	TL-1	Submerged fill arm
Four Electric Driven Compressors (NSPS OOOOa) [B]	EC-1 through EC-4 [B, C]	N/A	Rod Packing Monitoring
Fugitive emissions (NSPS OOOOb)	FUG [E]	FUG	Leak detection and repair program (LDAR)
Miscellaneous venting & blowdowns	BD [E, G]	BD	--

[A] All emission unit ratings are considered nominal ratings.

[B] The compressors driven by the natural gas-fired engines and the electric driven compressors are subject to NSPS OOOOa (40 CFR 60.5410a(c) & (40 CFR 60.5415a(c))

[C] Existing emission unit(s). There are no physical modifications to the emission unit(s) with this permit action.

[D] New unit associated with this permit action.

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

[F] Routed to Vapor Recovery Unit (VRU) with 95% operating efficiency (5% downtime)

[G] Miscellaneous venting and blowdowns to atmosphere include, but are not limited to, miscellaneous planned and unplanned venting to atmosphere from pressure relief valves, startup, shut-down, maintenance, compressor blowdowns, pigging actions, and/or pneumatic controllers.

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 JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (EUs C-1 & C-2)

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. The compressors driven by EUs C-1 & C-2, and EC-1 through EC-4 are subject to this subpart.

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).

B. National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Source Categories/Maximum Achievable Control Technology (MACT):

The permittee shall comply with all applicable requirements of the following MACT subparts, in addition to Subpart A, as referenced in Chapter 33.1-15-22 of the North Dakota Air Pollution Control Rules and 40 CFR 63.

1) 40 CFR 63, Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (EUs C-1 & C-2). The North Dakota Department of Environmental Quality has not adopted the area source provisions of this subpart. Please send all required reports and documentation to EPA Region 8.

C. Fuel Restrictions:

The natural gas-fired engines (EUs C-1 & C-2) are restricted to combusting only natural gas containing no more than 2 grains of sulfur per 100 standard cubic feet.

D. Flare Restrictions (EU FL-1):

1) When it is necessary to operate the emergency flare (EU FL-1) 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 emergency 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) For the emergency flare, the presence of a flame shall be monitored using a thermocouple or any other equivalent device approved by the Department.

E. Closed Vent System (CVS) Requirements:

1) Must be designed to collect and route all vapors from the storage vessels (TK-1 through TK-10, WTK-1 & WTK-2, & LTK-1) to the control device (100% collection efficiency is assumed during normal operation).

2) Must be operated with no detectable emissions during normal operations, as determined using auditory, visual, and olfactory inspections or optical gas imaging.

3) Must be monitored at the same intervals required by the facility Leak Detection and Repair (LDAR) program.

4) If the CVS contains a bypass, the permittee must track hours the bypass is open on a rolling 12-month period and either:

a) Secure the bypass in the non-diverting position using a car-seal or a lock-and-key configuration; or,

b) Install a flow indicator at the bypass inlet and maintain and operate it with an alarm system that notifies the nearest field office when the bypass opens and vapors are diverted away from the control device. Records of each time the alarm is activated must be maintained for a period of five (5) years.

F. Vapor Recovery Unit (VRU) Requirements:

1) Must be designed to sufficiently recover all vapors from the storage vessels (TK-1 through TK-10, WTK-1 & WTK-2, & LTK-1) (100% recovery is assumed during normal operation).

2) When potentially recoverable vapors are generated, the VRU must operate 95% of the time. The remaining time is defined as downtime, not to exceed 5% of the time.

3) Records of downtime must be kept on at least an hourly basis and averaged across a rolling 12-month period. Only hours in which potentially recoverable vapors are generated from any controlled tank are considered in this period.

a) Sub-hourly downtime records must be converted to hourly, where any recorded downtime within the hour makes the whole hour to be considered down.

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 engines	C-1 & C-2	C-1 & C-2	NO_X	1.0 g/hp-hr or 82 ppmvd @ 15% O_2 [A]
			CO	2.0 g/hp-hr or 270 ppmvd @ 15% O_2 [A]
			VOC	0.7 g/hp-hr or 60 ppmvd @ 15% O_2 [A]
			Opacity	20% [B]
Storage tanks	TK-1 through TK-10, WTK-1 & WTK-2, & LTK-1	N/A	VOC / Design and Operation	Condition 2.E, 2.F, and 3.A
Emergency flare	FL-1	FL-1	Opacity	20% [C]
Fugitive emissions	FUG	FUG	VOC	Per NSPS, Subpart OOOOb

[A] Compliance determined via emissions testing. ppmvd limits are set @ 15% O_2

[B] 40% opacity is permissible for not more than one six-minute period per hour.

[C] 60% opacity is permissible for not more than one six-minute period per hour.

A. VOC emission restriction for storage vessel groupings (EUs TK-1 through TK-10) (EUs WTK-1 & WTK-2) and individual storage vessel (EUs LTK-1) (to remain non-affected facilities under NSPS OOOOa):

1) Emissions are restricted to less than 6 tpy per storage vessel (**averaged** across each above storage vessel grouping) on a 12-month rolling basis.

2) Emissions must be calculated using records of monthly throughput and any model or calculation methodology for working, breathing, and flashing emissions that are generally accepted under NSPS OOOOa.

3) Records of monthly storage vessel battery throughput, emission calculations used to demonstrate compliance, and all periods of

uncontrolled releases must be kept for a period of five (5) years.

4) Must calculate storage vessel emissions using the following equation:

Emissions calculations controlled by a VRU:

$$VOC_{post} = VOC_{pre} \cdot Downtime$$

Where:

VOC_{post} = VOC emissions in tpy, 12-month rolling average (post-control)
VOC_{pre} = VOC emissions in tpy routed through the CVS (pre-control)
$Downtime$ = hours that the VRU was not operating or the CVS bypass was open divided by the number of hours that vapors were generated, for the 12-month rolling period (ratio between 0 to 1)

4. Emission Testing Requirements:

The following testing requirements are applicable until issuance of the PTO. All emission tests identified in Table 4-1 must be conducted according to the Reference Methods (40 CFR 60 Appendix A), NDAC 33.1-15-01-12, applicable federal regulations, or as specified by the Department in accordance with good professional practice. All testing must require a minimum of three runs, one hour each, unless otherwise specified in an applicable federal subpart. The Department may conduct, require, and observe emission testing from any source at a reasonable time interval. The Department may reasonably require the permittee to demonstrate compliance with Condition 3 or to quantify emissions of any contaminant not addressed in this PTC whenever it has reason to believe noncompliance or the emission of a non-addressed contaminant is occurring.

Applicable requirement: NDAC 33.1-15-01-12

Table 4-1: Emission Testing Requirements

EU	EP	Contaminant	Method
C-1 & C-2	C-1 & C-2	NO_X CO VOC	Per NSPS, Subpart JJJJ

A. Startup:

Within 180 days after initial startup, the permittee must conduct emission tests in accordance with Table 4-1 using an independent testing firm to determine the compliance status of the facility with respect to the emission limits specified in Table 3-1.

Applicable requirement: NDAC 33.1-15-12

B. Personnel:

All tests must be conducted under the direction of reputable, qualified personnel trained in accordance with Department approved methods.

Applicable requirement: NDAC 33.1-15-01-12.1

C. Sampling Access:

The permittee must provide the necessary facilities (exclusive of instruments and sensing devices) and sampling ports in stacks, ducts, or flues downstream of all emission control devices to conduct emission measurements. The ports must be located to enable reliable sampling and must be adequate for the required test methods. Safe sampling access and platforms must be provided. Plans and specifications showing the size and location of the ports, platform and utilities must be submitted to the Department for review and approval.

Applicable requirements: NDAC 33.1-15-01-12.2, NDAC 33.1-15-12

D. Advanced Notification:

The permittee must notify the Department using forms found in the Emission Testing Guideline[1], or its equivalent, at least 30 calendar days in advance of any emission test required by the Department. Advanced notification for all other testing will be consistent with the requirements of the appropriate regulations but will in no case be less than 30 calendar days.

Applicable requirement: NDAC 33.1-15-01-12.1

E. Rescheduled Tests:

If the permittee is unable to conduct a test on its scheduled date, the permittee must notify the Department at least five days prior to the scheduled test date and coordinate a new test date with the Department.1 Failure to give the proper notification may prevent the Department from observing the test, which may cause test results to be rejected.

Applicable requirement: NDAC 33.1-15-01-12.1

F. Reporting:

A signed copy of the test results must be furnished to the Department within 60 days of the test date as per 40 CFR 60.13(c)(2). To facilitate test preparation, execution, and reporting, the

[1] See February 7, 2020, NDDEQ Division of Air Quality Emission Testing Guidelines: https://www.deq.nd.gov/publications/AQ/policy/PC/Emission_Testing_Guide.pdf

permittee must follow the procedures and formats in the Department's Emission Testing Guideline.1

Applicable requirement: NDAC 33.1-15-12

5. General Conditions (Action Required):

A. Startup Notice:

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

Applicable requirement: NDAC 33.1-15-12

B. Modification:

Any alteration, repair, expansion, or change in the method or physical 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 is considered a modification and must be reviewed and approved by the Department before implementation. The Department must be notified 10 days in advance of any significant deviations from the application. The issuance of this PTC may be suspended or revoked if the Department determines that a significant deviation has been or is to be made without the proper review or approval.

Applicable requirement: NDAC 33.1-15-14-02.9.d

C. Like-Kind Emission Unit Replacement:

This permit allows the permittee to replace an existing emission unit with a like-kind unit. Replacement is subject to the following conditions:

The replacement unit is subject to the same emission limits and performance testing requirements—both state and federal—as the existing unit. The facility must comply with any additional federal standards (e.g. NSPS, MACT) triggered by the replacement.

The Department must be notified within 10 days of replacement. The date of manufacture of the replacement unit and any additional federal applicability must be included in the notification.

The replacement unit must operate in the same manner without increasing throughput and have equal or less emissions than the unit it is replacing.

Testing must be conducted to confirm compliance with emission limits within 180 days after start-up of the replacement unit. Emergency units must not be required to test if replaced by a like-kind unit.

Applicable requirement: NDAC 33.1-15-14-02.9.d

D. Annual Emission Inventory/Annual Production Reports:

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

Applicable requirement: NDAC 33.1-15-14-02.9.d

E. Malfunction Notification:

The permittee must notify the Department of any malfunction which can be expected to last longer than 24 hours and can cause the emission of air contaminants in violation of applicable rules and regulations. Using empirical estimates of emission rates, the permittee must conservatively estimate if the malfunction can cause noncompliance.

Applicable requirement: NDAC 33.1-15-01-13.2.a

F. Transfer of Permit to Construct:

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

Applicable requirement: NDAC 33.1-15-14-02.11

6. General Conditions (Obligations):

A. Construction:

This permit must become invalid if construction does not commence within 18 months after permit issuance, construction is discontinued for a period of 18 months or more, or construction is not completed within a reasonable time as determined by the Department. The Department may provide a time period greater than 18 months when such extension is supported by sufficient documentation from the applicant.

Applicable requirement: NDAC 33.1-15-14-02.10.b.

B. Operation:

Construction and operation of the facility must be in accordance with the permit application—which includes technical supplements, revisions, and supporting data. Any operations not listed in this permit are subject to all applicable NDAC 33.1-15 requirements. At all times, including periods of startup, shutdown, and malfunction, the permittee must, to the extent practicable, maintain and operate any affected facility—including associated air pollution control equipment—in a manner consistent with good practice for minimizing emissions.

Applicable requirements: NDAC 33.1-15-12, NDAC 33.1-15-22

C. Recordkeeping:

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

Applicable requirements: NDAC 33.1-15-14-02.9.d

D. Control of Organic Compound Emissions:

The permittee must comply with all applicable requirements of NDAC 33.1-15-07, which establishes requirements for the construction of organic compound facilities related to closed-vent systems, control devices, and seals and for the control of VOC vapors using a continuously burning pilot flare or other equally effective control device.

E. Internal Combustion Engine Emissions Restricted:

The permittee must comply with all applicable requirements of NDAC 33.1-15-08-01, which restricts the operation of internal combustion engines which emit, from any source, unreasonable and excessive smoke, obnoxious or noxious gas, fumes or vapor.

F. Restriction of Fugitive Emissions:

The release of fugitive emissions must comply with the applicable requirements in NDAC 33.1-15-17, which restricts particulate matter and gaseous fugitive emissions that would violate other regulations.

G. Permit Invalidation:

This permit must be effective from the date of its issuance unless suspended, revoked or surrendered. The violation of any condition of this permit may result in revocation or suspension of the permit or other appropriate enforcement action. If any provision or application of a provision of this permit is held invalid in any circumstance, the remainder of this permit must remain valid.

Applicable requirement: NDAC 33.1-15-14-02.9

H. Nuisance or Danger:

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

Applicable requirements: NDAC 33.1-15-02-03, NDAC 33.1-15-14-02.9.c

I. Right of Entry:

Any duly authorized officer, employee, or agent of the Department may enter and inspect any property, premise, or place at which the source is located at any time for the purpose of ascertaining compliance with NDAC 33.1-15. The Department may inspect monitoring equipment, conduct tests, and take samples of air contaminants, fuel, processing material, and other materials, which affect or may affect the emission of air contaminants from any source. The Department must have the right to access and copy any records required by the Department.

Applicable requirement: NDAC 33.1-15-01-06, NDCC 23.1-06-11

7. State Enforceable Conditions (Not Federally Enforceable):

A. Emissions of Odorous Substances Restricted:

The permittee must not discharge into the ambient air any objectionable odorous air contaminant which measures seven odor concentration units or greater.

Applicable requirement: NDAC 33.1-15-16