AIR POLLUTION CONTROL PERMIT TO CONSTRUCT

Permittee: **Name:** 1804 Ltd. LLC **Address:** 10385 Westmoor Drive, Ste 225 Westminster, CO 80021	**Permit Number:** ACP-18305 v 1.0 **Permit Description:** Synthetic Minor PSD Title V existing Major to Area HAP
Source Name & Location: Springbrook Gas Plant 5621 – 131st Avenue NW Williston, ND 58801 SE ¼, SE ¼, Sec. 22, T155N, R100W Williams County	**Source Type:** Compressor Station (Gathering)
Date of Application: June 16, 2025 and September 11, 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 [A]	Emission Unit (EU)	Emission Point (EP)	Air Pollution Control Equipment
Caterpillar Model G3516 natural gas-fired engine (4SLB) rated at 1,340 bhp (manf. 2006, NSPS JJJJ; MACT ZZZZ)	100C	100C	Oxidation Catalyst & Air/Fuel Ratio Control (AFRC)
Caterpillar Model G3516 natural gas-fired engine (4SLB) rated at 1,340 bhp (manf. 2006, NSPS JJJJ; MACT ZZZZ)	100D	100D	Oxidation Catalyst & AFRC

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

Table 1-2: Emissions Units Removed

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Air Pollution Control Equipment
Caterpillar Model G3608 A4 natural gas-fired engine (4SLB) rated at 2,500 bhp (manf. 6/2018, NSPS JJJJ, OOOOa; MACT ZZZZ)	C-2710	17	Oxidation Catalyst

Table 1-3: Facility Emissions Units upon Project Completion

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Air Pollution Control Equipment
Caterpillar Model G3516 natural gas-fired engine (4SLB) rated at 1,340 bhp (manf. 2006, NSPS JJJJ; MACT ZZZZ)	100C	100C	Oxidation Catalyst & Air/Fuel Ratio Control (AFRC)
Caterpillar Model G3516 natural gas-fired engine (4SLB) rated at 1,340 bhp (manf. 2006, NSPS JJJJ; MACT ZZZZ)	100D	100D	Oxidation Catalyst & AFRC

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Air Pollution Control Equipment
Caterpillar Model G3608 LE natural gas-fired engine (4SLB) rated at 2,370 bhp (manf. 2014, NSPS JJJJ, OOOO; MACT ZZZZ)	C-2711	C-2711	Oxidation Catalyst
Caterpillar Model G3608 LE natural gas-fired engine (4SLB) rated at 2,370 bhp (manf. 2014, NSPS JJJJ, OOOO; MACT ZZZZ)	C-2712	C-2712	Oxidation Catalyst
Caterpillar Model G3606 A4 natural gas-fired engine (4SLB) rated at approximately 1,875 bhp. (manf. 9/2018, NSPS JJJJ, OOOOa; MACT ZZZZ)	C-2713	C-2713	Oxidation Catalyst
Caterpillar Model G3512B LE natural gas-fired engine (4SLB) rated at 1,035 bhp (manf. 2013, NSPS JJJJ; MACT ZZZZ)	C-300A	C-300A	Oxidation Catalyst
Caterpillar Model G3512B LE natural gas-fired engine (4SLB) rated at 1,035 bhp (manf. 2013, NSPS JJJJ; MACT ZZZZ)	C-300B	C-300B	Oxidation Catalyst
Caterpillar Model G3512B LE natural gas-fired engine (4SLB) rated at 1,035 bhp (manf. 2014, NSPS JJJJ, OOOO; MACT ZZZZ)	C-4711	C-4711	Oxidation Catalyst
Caterpillar Model G3512B LE natural gas-fired engine (4SLB) rated at 1,035 bhp (manf. 2014, NSPS JJJJ, OOOO; MACT ZZZZ)	C-5701	C-5701	Oxidation Catalyst
Caterpillar Model G3512B LE natural gas-fired engine (4SLB) rated at 1,035 bhp (manf. 2014, NSPS JJJJ, OOOO; MACT ZZZZ)	C-5702	C-5702	Oxidation Catalyst
Caterpillar Model G3516B LE natural gas-fired engine (4SLB) rated at 1,818 bhp (manf. 2014, NSPS JJJJ; MACT ZZZZ)	GEN-1	GEN-1	Oxidation Catalyst
Caterpillar Model G3516B LE natural gas-fired engine (4SLB) rated at 1,818 bhp (manf. 2014, NSPS JJJJ; MACT ZZZZ)	GEN-2	GEN-2	Oxidation Catalyst
Natural gas-fired hot oil heater rated at approximately 10×10^6 Btu/hr (NSPS Dc)	B-940	B-940	None

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Air Pollution Control Equipment
Natural gas-fired hot oil process heater rated at 2.5 x 10^6 Btu/hr	B-941 [A]	B-941	None
Natural gas-fired glycol reboiler heater rated at 1.5 x 10^6 Btu/hr	H-951 [A]	H-951	None
400-barrel oily water storage tank with taker truck loadout	TK-1 [A]	FUG-TK	Submerged Fill Pipe (SFP)
Emergency and process flare	FL-8501	FL-8501	None
NGL loadout	LOAD1 [A]	LOAD1	None
Condensate loadout	LOAD2 [A]	LOAD2	None
Produced water storage loadout	LOAD3 [A]	LOAD3	None
Four NGL pressurized storage 90,000 bullet tanks	V-4401 through V4404 [A, C]	Various	Returns vapors to the inlet
30,000-gallon field condensate bullet tank	V-4407 [A]	FL-8501	Emergency/ Process Flare
Pigging activities	PIG1 [A]	PIG1	None
Lift compressor blowdown	LIFTBD [A]	FL-8501	Emergency/ Process Flare
Compressor blowdown	COMPBD [A]	FL-8501	Emergency/ Process Flare
Ethylene glycol dehydration unit rated at 70 MMscfd	T-510/V-520 [A, B]	FL-8501	Emergency/ Process Flare
Fugitive emissions	FUG [A]	FUG	None
Fugitives (NSPS OOOO)	FUG-1 [A]	FUG-1	None
Fugitives (NSPS OOOOa)	FUG-2 [A]	FUG-2	Leak detection and repair program (LDAR)

[A] Insignificant or fugitive emission sources (no specific emission limit).
[B] T-510 (EP 13) is the still vent and V-520 (EP 14) is the flash gas vent.
[C] Tank vapors are captured using the VRU and are recycled back into the system for reprocessing, therefore, no expected emissions will result from these units.

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 100C & 100D).

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 100C & 100D). 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 U. S. EPA Region 8.

C. Fuel Restrictions:

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

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.

Upon issuance of this permit, the emission limits set forth in all previous Air Permit to Construct Nos., including but not limited to: ACP-18160 v1.0 (PTC20011) and ACP-18160 v1.0 are rescinded. The emission limits are replaced with the following:

Table 3-1: Permit Emissions Limits

Emission Unit Description	EU	Pollutant / Parameter	Emission Limit
Facility wide	All	Formaldehyde	9.5 tons per year (tpy)
Caterpillar engine 1,340 bhp	100C	NOx	0.50 g/hp-hr [A]
		CO	0.18 g/hp-hr [A]
		VOC	0.33 g/hp-hr [A]
		Opacity	20% [B]
Caterpillar engine 1,340 bhp	100D	NOx	0.50 g/hp-hr [A]
		CO	0.18 g/hp-hr [A]
		VOC	0.33 g/hp-hr [A]
		Opacity	20% [B]

Emission Unit Description	EU	Pollutant / Parameter	Emission Limit
Caterpillar engine 2,370 bhp	C-2711	NO_X	0.50 g/hp-hr [A]
		CO	0.20 g/hp-hr [A]
		VOC	0.63 g/hp-hr [A]
		Opacity	20% [B]
Caterpillar engine 2,370 bhp	C-2712	NO_X	0.50 g/hp-hr [A]
		CO	0.20 g/hp-hr [A]
		VOC	0.63 g/hp-hr [A]
		Opacity	20% [B]
Caterpillar engine 1,875 bhp	C-2713	NO_X	0.50 g/hp-hr [A]
		CO	0.16 g/hp-hr [A]
		VOC	0.63 g/hp-hr [A]
		Opacity	20% [B]
Caterpillar engine 1,035 bhp	C-300A	NO_X	0.50 g/hp-hr [A]
		CO	0.16 g/hp-hr [A]
		VOC	0.46 g/hp-hr [A]
		Opacity	20% [B]
Caterpillar engine 1,035 bhp	C-300B	NO_X	0.50 g/hp-hr [A]
		CO	0.16 g/hp-hr [A]
		VOC	0.46 g/hp-hr [A]
		Opacity	20% [B]
Caterpillar engine 1,035 bhp	C-4711	NO_X	0.50 g/hp-hr [A]
		CO	0.21 g/hp-hr [A]
		VOC	0.46 g/hp-hr [A]
		Opacity	20% [B]

Emission Unit Description	EU	Pollutant / Parameter	Emission Limit
Caterpillar engine 1,035 bhp	C-5701	NO_X	0.50 g/hp-hr [A]
		CO	0.21 g/hp-hr [A]
		VOC	0.46 g/hp-hr [A]
		Opacity	20% [B]
Caterpillar engine 1,035 bhp	C-5702	NO_X	0.50 g/hp-hr [A]
		CO	0.21 g/hp-hr [A]
		VOC	0.46 g/hp-hr [A]
		Opacity	20% [B]
Caterpillar engine 1,818 bhp	GEN-1	NO_X	1.00 g/hp-hr [A]
		CO	0.33 g/hp-hr [A]
		VOC	0.39 g/hp-hr [A]
		Opacity	20% [B]
Caterpillar engine 1,818 bhp	GEN-2	NO_X	1.00 g/hp-hr [A]
		CO	0.33 g/hp-hr [A]
		VOC	0.39 g/hp-hr [A]
		Opacity	20% [B]
Heater 10 x 10^6 Btu/hr	B-940	Opacity	20% [B]
Heater 2.5 x 10^6 Btu/hr	B-941	Opacity	20% [B]
Reboiler heater 1.5 x 10^6 Btu/hr	H-951	Opacity	20% [B]
Flare	FL-8501	Opacity	20% [C]
Fugitives – OOOO & OOOOa	FUG-1 & FUG-2	VOC	33.1-15-12-02, Subparts OOOO & OOOOa

[A] Less restrictive 40 CFR 60 Subpart JJJJ limits also apply as follows: NOx of 1.0 g/hp-hr or 82 ppmvd @ 15% O2; CO of 2.0 g/hp-hr or 270 ppmvd @ 15% O2; VOC of 0.7 g/hp-hr or 60 ppmvd @ 15% O2

[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. Formaldehyde Emission Limit:

Formaldehyde emissions are limited to a total of 9.5 tons per rolling 12-month period. The Department may require the permittee to calculate for the previous month and for the 12-month rolling period the formaldehyde emissions from the facility by the 15th day of each month. In the event that the formaldehyde exceeds 9.5 tons in a 12-month period, the permittee shall notify the Department by the 25th day of the month in which the calculation was made.

4. Emission Testing Requirements:

A. Initial testing:

All initial testing will require a minimum of three runs, one hour each, unless otherwise specified in a federal subpart.

Table 4-1: Initial Emissions Testing for Project

Emission Unit Description	EU	EP	Contaminant	Method
Facility wide	All engines	All engines	Formaldehyde	EPA Method 323
Caterpillar engine	100C	100C	NO_X CO VOC	NSPS JJJJ
Caterpillar engine	100D	100D	NO_X CO VOC	NSPS JJJJ

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.[1]

1) Test:

The permittee shall conduct emissions tests at the emission units listed in 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. Emissions testing shall be conducted for the

[1] See February 7, 2020, North Dakota Department of Environmental Quality Division of Air Quality Emissions Testing Guidelines. Available at: https://www.deq.nd.gov/publications/AQ/policy/PC/Emission_Testing_Guide.pdf

pollutant(s) listed above in accordance with EPA Reference Methods listed in 40 CFR 60, Appendix A. Test methods other than those listed above may be used upon approval by the Department.

a) The engines (EUs 100C & 100D) should be tested withing 180 days after initial startup.

b) All formaldehyde emitting emission units must be tested within one year of permit issuance to show emission rates and compliance with the 9.5 tpy formaldehyde limit.

2) Notification:

The permittee shall notify the Department using the form in the Emission Testing Guideline, or its equivalent, at least 30 calendar days in advance of any tests of emissions of air contaminants required by the Department. If the permittee is unable to conduct the performance test on the scheduled date, the permittee shall notify the Department at least five days prior to the scheduled test date and coordinate a new test date with the Department.

3) Sampling Ports/Access:

Sampling ports shall be provided downstream of all emission control devices and in a flue, conduit, duct, stack or chimney arranged to conduct emissions to the ambient air. The ports shall be located to allow for reliable sampling and shall be adequate for test methods applicable to the facility. Safe sampling platforms and safe access to the platforms shall be provided. Plans and specifications showing the size and location of the ports, platform and utilities shall be submitted to the Department for review and approval.

4) Other:

a) The Department may require the permittee to have tests conducted to determine the emission of air contaminants from any source, whenever the Department has reason to believe that an emission of a contaminant not addressed by the permit applicant is occurring, or the emission of a contaminant in excess of that allowed by this permit is occurring. The Department may specify testing methods to be used in accordance with good professional practice. The Department may observe the testing. All tests shall be conducted by reputable, qualified personnel. A signed copy of the test results shall be furnished to the Department within 60 days of the test date.

All tests shall be made available, and the results calculated in accordance with test procedures approved by the Department. All tests shall be made under the direction of persons qualified by training or experience in the field of air pollution control as approved by the Department.

b) The Department may conduct tests of emissions of air contaminants from any source. Upon request of the Department, the permittee shall provide necessary holes in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices, as may be necessary for proper determination of the emission of air contaminants.

B. 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. Stack Heights:

Emissions shall be vented through stacks that meet the following height requirements. Stack heights may be no less than those listed in the table below without prior approval from the Department.

Emission Unit Description	EU	EP	Minimum Stack Height (Feet)
Caterpillar engine	100C	100C	20.8
Caterpillar engine	100D	100D	20.8

D. Like-Kind Engine Replacement:

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

1) The Department must be notified within 10 days after change-out of the unit.

2) The replacement unit shall operate in the same manner, provide no increase in throughput and have equal or less emissions than the unit it is replacing.

3) The date of manufacture of the replacement unit must be included in the notification. The facility must comply with any applicable federal standards (e.g. NSPS, MACT) triggered by the replacement.

4) The replacement unit is subject to the same state emission limits as the existing unit in addition to any NSPS or MACT emission limit that is applicable. Testing shall be conducted to confirm compliance with the emission limits within 180 days after start-up of the unit.

E. Organic Compound Emissions:

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

F. 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.

G. 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. Title V Permit to Operate:

Within one year after startup of the units covered by this permit, the permittee shall submit a permit application for a Title V Permit to Operate for the facility.

G. 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.

H. 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.

I. 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.

J. Nuisance or Danger:

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

K. Transfer of Permit to Construct:

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

L. 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.

M. 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.

N. 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.