State of Utah

SPENCER J. COX
Governor

DEIDRE HENDERSON
Lieutenant Governor

Department of
Environmental Quality

Kimberly D. Shelley
Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

10219

Title V Operating Permit

PERMIT NUMBER: 1300033003 - DRAFT
DATE OF PERMIT: TBD
Date of Last Revision: TBD

This Operating Permit is issued to, and applies to the following:

Name of Permittee:

Kinder Morgan Altamont LLC
1001 Louisiana
Suite 1000
Houston, TX 77002

Permitted Location:

Kinder Morgan Altamont LLC - Bluebell Facility
5564 North 5000 West
Cedarview, UT 84066

UTM coordinates: 577,604 m Easting, 4,470,289 m Northing
SIC code: 1321 – Natural Gas Liquids

By:

_____
Bryce C. Bird, Director

Prepared By:

Scott Hanks
shanks@utah.gov
385-306-6504

ENFORCEABLE DATES AND TIMELINES

The following dates or timeframes are referenced in Section I: General Provisions of this permit.

Annual Certification Due:	March 1 and on that date of every calendar year that this permit is in force.
Renewal application due:	TBD
Permit expiration date:	TBD
Definition of "prompt":	written notification within 14 days.

ABSTRACT

Kinder Morgan Altamont LLC Bluebell Facility's primary function is to dehydrate and compress field gas and extract NGLs. Field gas enters the facility through trunk lines that combine into the main facility inlet. The inlet gas stream is directed to the slug catcher where free water and condensate are separated from the field gas. The gas may then flow through the compressor station or flow through the gas processing plant. The water and condensate are directed to the existing storage tanks located at the Bluebell Compressor Station before being trucked from the facility. The Bluebell Facility is a major source of CO, NO_x and VOC.

Kinder Morgan Bluebell Facility is subject to:

Standards of Performance for New Stationary 40 CFR 60, Subpart A - General Provisions

40 CFR 60 Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

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.

40 CFR 60 Subpart VVa - Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006.

National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR 63 Subpart A - General Provisions

40 CFR 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants: Stationary Reciprocating Internal Combustion Engines.

OPERATING PERMIT HISTORY

Permit/Activity	Date Issued	Recorded Changes
Title V initial application (Project #OPP0102190008)	TBD	TBD

Table of Contents

Issued under authority of Utah Code Ann. Section 19-2-104 and 19-2-109.1, and in accordance with Utah Administrative Code R307-415 Operating Permit Requirements.

All definitions, terms and abbreviations used in this permit conform to those used in Utah Administrative Code R307-101 and R307-415 (Rules), and 40 Code of Federal Regulations (CFR), except as otherwise defined in this permit. Unless noted otherwise, references cited in the permit conditions refer to the Rules.

Where a permit condition in Section I, General Provisions, partially recites or summarizes an applicable rule, the full text of the applicable portion of the rule shall govern interpretations of the requirements of the rule. In the case of a conflict between the Rules and the permit terms and conditions of Section II, Special Provisions, the permit terms and conditions of Section II shall govern except as noted in Provision I.M, Permit Shield.

SECTION I: GENERAL PROVISIONS

I.A **Federal Enforcement.**

All terms and conditions in this permit, including those provisions designed to limit the potential to emit, are enforceable by the EPA and citizens under the Clean Air Act of 1990 (CAA) except those terms and conditions that are specifically designated as "State Requirements". (R307-415-6b)

I.B **Permitted Activity(ies).**

Except as provided in R307-415-7b(1), the permittee may not operate except in compliance with this permit. (See also Provision I.E, Application Shield)

I.C **Duty to Comply.**

I.C.1 The permittee must comply with all conditions of the operating permit. Any permit noncompliance constitutes a violation of the Air Conservation Act and is grounds for any of the following: enforcement action; permit termination; revocation and reissuance; modification; or denial of a permit renewal application. (R307-415-6a(6)(a))

I.C.2 It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. (R307-415-6a(6)(b))

I.C.3 The permittee shall furnish to the Director, within a reasonable time, any information that the Director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director copies of records required to be kept by this permit or, for information claimed to be confidential, the permittee may furnish such records directly to the EPA along with a claim of confidentiality. (R307-415-6a(6)(e))

I.C.4 This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance shall not stay any permit condition, except as provided under R307-415-7f(1) for minor permit modifications. (R307-415-6a(6)(c))

I.D **Permit Expiration and Renewal.**

I.D.1 This permit is issued for a fixed term of five years and expires on the date shown under "Enforceable Dates and Timelines" at the front of this permit. (R307-415-6a(2))

I.D.2 Application for renewal of this permit is due on or before the date shown under "Enforceable Dates and Timelines" at the front of this permit. An application may be submitted early for any reason. (R307-415-5a(1)(c))

I.D.3 An application for renewal submitted after the due date listed in I.D.2 above shall be accepted for processing, but shall not be considered a timely application and shall not relieve the permittee of any enforcement actions resulting from submitting a late application. (R307-415-5a(5))

I.D.4 Permit expiration terminates the permittee's right to operate unless a timely and complete renewal application is submitted consistent with R307-415-7b (see also Provision I.E, Application Shield) and R307-415-5a(1)(c) (see also Provision I.D.2). (R307-415-7c(2))

I.E **Application Shield.**

If the permittee submits a timely and complete application for renewal, the permittee's failure to have an operating permit will not be a violation of R307-415, until the Director takes final action on the permit renewal application. In such case, the terms and conditions of this permit shall remain in force until permit renewal or denial. This protection shall cease to apply if, subsequent to the completeness determination required pursuant to R307-415-7a(3), and as required by R307-415-5a(2), the applicant fails to submit by the deadline specified in writing by the Director any additional information identified as being needed to process the application. (R307-415-7b(2))

I.F **Severability.**

In the event of a challenge to any portion of this permit, or if any portion of this permit is held invalid, the remaining permit conditions remain valid and in force. (R307-415-6a(5))

I.G **Permit Fee.**

I.G.1 The permittee shall pay an annual emission fee to the Director consistent with R307-415-9. (R307-415-6a(7))

I.G.2 The emission fee shall be due on October 1 of each calendar year or 45 days after the source receives notice of the amount of the fee, whichever is later. (R307-415-9(4)(a))

I.H **No Property Rights.**

This permit does not convey any property rights of any sort, or any exclusive privilege. (R307-415-6a(6)(d))

I.I **Revision Exception.**

No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit. (R307-415-6a(8))

I.J **Inspection and Entry.**

I.J.1 Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director or an authorized representative to perform any of the following:

I.J.1.a Enter upon the permittee's premises where the source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit. (R307-415-6c(2)(a))

I.J.1.b Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit. (R307-415-6c(2)(b))

I.J.1.c Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practice, or operation regulated or required under this permit. (R307-415-6c(2)(c))

I.J.1.d Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with this permit or applicable requirements. (R307-415-6c(2)(d))

I.J.2 Any claims of confidentiality made on the information obtained during an inspection shall be made pursuant to Utah Code Ann. Section 19-1-306. (R307-415-6c(2)(e))

I.K **Certification.**

Any application form, report, or compliance certification submitted pursuant to this permit shall contain certification as to its truth, accuracy, and completeness, by a responsible official as defined in R307-415-3. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. (R307-415-5d)

I.L **Compliance Certification.**

I.L.1 Permittee shall submit to the Director an annual compliance certification, certifying compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. This certification shall be submitted no later than the date shown under "Enforceable Dates and Timelines" at the front of this permit, and that date each year following until this permit expires. The certification shall include all the following (permittee may cross-reference this permit or previous reports): (R307-415-6c(5))

I.L.1.a The identification of each term or condition of this permit that is the basis of the certification;

I.L.1.b The identification of the methods or other means used by the permittee for determining the compliance status with each term and condition during the certification period. Such methods and other means shall include, at a minimum, the monitoring and related recordkeeping and reporting requirements in this permit. If necessary, the permittee also shall identify any other material information that must be included in the certification to comply with section 113(c)(2) of the Act, which prohibits knowingly making a false certification or omitting material information;

I.L.1.c The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification shall be based on the method or means designated in Provision I.L.1.b. The certification shall identify each deviation and

take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance as defined under 40 CFR Part 64 occurred; and

I.L.1.d Such other facts as the Director may require to determine the compliance status.

I.L.2 The permittee shall also submit all compliance certifications to the EPA, Region VIII, at the following address or to such other address as may be required by the Director: (R307-415-6c(5)(d))

Environmental Protection Agency, Region VIII
Office of Enforcement, Compliance and Environmental Justice
(mail code 8ENF)
1595 Wynkoop Street
Denver, CO 80202-1129

I.M **Permit Shield.**

I.M.1 Compliance with the provisions of this permit shall be deemed compliance with any applicable requirements as of the date of this permit, provided that:

I.M.1.a Such applicable requirements are included and are specifically identified in this permit, or (R307-415-6f(1)(a))

I.M.1.b Those requirements not applicable to the source are specifically identified and listed in this permit. (R307-415-6f(1)(b))

I.M.2 Nothing in this permit shall alter or affect any of the following:

I.M.2.a The emergency provisions of Utah Code Ann. Section 19-1-202 and Section 19-2-112, and the provisions of the CAA Section 303. (R307-415-6f(3)(a))

I.M.2.b The liability of the owner or operator of the source for any violation of applicable requirements under Utah Code Ann. Section 19-2-107(2)(a)(xiii) and Section 19-2-110 prior to or at the time of issuance of this permit. (R307-415-6f(3)(b)

I.M.2.c The applicable requirements of the Acid Rain Program, consistent with the CAA Section 408(a). (R307-415-6f(3)(c))

I.M.2.d The ability of the Director to obtain information from the source under Utah Code Ann. Section 19-2-120, and the ability of the EPA to obtain information from the source under the CAA Section 114. (R307-415-6f(3)(d))

I.N **Emergency Provision.**

I.N.1 An "emergency" is any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error. (R307-415-6g(1))

I.N.2 An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the affirmative defense is demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

I.N.2.a An emergency occurred and the permittee can identify the causes of the emergency. (R307-415-6g(3)(a))

I.N.2.b The permitted facility was at the time being properly operated. (R307-415-6g(3)(b))

I.N.2.c During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in this permit. (R307-415-6g(3)(c))

I.N.2.d The permittee submitted notice of the emergency to the Director within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. This notice fulfills the requirement of Provision I.S.2.c below. (R307-415-6g(3)(d))

I.N.3 In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof. (R307-415-6g(4))

I.N.4 This emergency provision is in addition to any emergency or upset provision contained in any other section of this permit. (R307-415-6g(5))

I.O **Operational Flexibility.**

Operational flexibility is governed by R307-415-7d(1).

I.P **Off-permit Changes.**

Off-permit changes are governed by R307-415-7d(2).

I.Q **Administrative Permit Amendments.**

Administrative permit amendments are governed by R307-415-7e.

I.R **Permit Modifications.**

Permit modifications are governed by R307-415-7f.

I.S **Records and Reporting.**

I.S.1 Records.

I.S.1.a The records of all required monitoring data and support information shall be retained by the permittee for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-charts or appropriate recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. (R307-415-6a(3)(b)(ii))

I.S.1.b For all monitoring requirements described in Section II, Special Provisions, the

source shall record the following information, where applicable: (R307-415-6a(3)(b)(i))

I.S.1.b.1 The date, place as defined in this permit, and time of sampling or measurement.

I.S.1.b.2 The date analyses were performed.

I.S.1.b.3 The company or entity that performed the analyses.

I.S.1.b.4 The analytical techniques or methods used.

I.S.1.b.5 The results of such analyses.

I.S.1.b.6 The operating conditions as existing at the time of sampling or measurement.

I.S.1.c Additional record keeping requirements, if any, are described in Section II, Special Provisions.

I.S.2 Reports.

I.S.2.a Monitoring reports shall be submitted to the Director every six months, or more frequently if specified in Section II. All instances of deviation from permit requirements shall be clearly identified in the reports. (R307-415-6a(3)(c)(i))

I.S.2.b All reports submitted pursuant to Provision I.S.2.a shall be certified by a responsible official in accordance with Provision I.K of this permit. (R307-415-6a(3)(c)(i)

I.S.2.c The Director shall be notified promptly of any deviations from permit requirements including those attributable to upset conditions as defined in this permit, the probable cause of such deviations, and any corrective actions or preventative measures taken. Prompt, as used in this condition, shall be defined as written notification within the number of days shown under "Enforceable Dates and Timelines" at the front of this permit. Deviations from permit requirements due to breakdowns shall be reported in accordance with the provisions of R307-107. (R307-415-6a(3)(c)(ii))

I.S.3 Notification Addresses.

I.S.3.a All reports, notifications, or other submissions required by this permit to be submitted to the Director are to be sent to the following address or to such other address as may be required by the Director:

Utah Division of Air Quality
P.O. Box 144820
Salt Lake City, UT 84114-4820
Phone: 801-536-4000

I.S.3.b All reports, notifications or other submissions required by this permit to be submitted to the EPA should be sent to one of the following addresses or to such other address as may be required by the Director:

For annual compliance certifications:

Environmental Protection Agency, Region VIII
Office of Enforcement, Compliance and Environmental Justice
(mail code 8ENF)
1595 Wynkoop Street
Denver, CO 80202-1129

For reports, notifications, or other correspondence related to permit modifications, applications, etc.:

Environmental Protection Agency, Region VIII
Air Permitting and Monitoring Branch (mail code 8ARD-PM)
1595 Wynkoop Street
Denver, CO 80202-1129
Phone: 303-312-6927

I.T **Reopening for Cause.**

I.T.1 A permit shall be reopened and revised under any of the following circumstances:

I.T.1.a New applicable requirements become applicable to the permittee and there is a remaining permit term of three or more years. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the terms and conditions of this permit have been extended pursuant to R307-415-7c(3), application shield. (R307-415-7g(1)(a))

I.T.1.b The Director or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit. (R307-415-7g(1)(c))

I.T.1.c EPA or the Director determines that this permit must be revised or revoked to assure compliance with applicable requirements. (R307-415-7g(1)(d))

I.T.1.d Additional applicable requirements are to become effective before the renewal date of this permit and are in conflict with existing permit conditions. (R307-415-7g(1)(e))

I.T.2 Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the Acid Rain Program. Upon approval by EPA, excess emissions offset plans shall be deemed to be incorporated into this permit. (R307-415-7g(1)(b))

I.T.3 Proceedings to reopen and issue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. (R307-415-7g(2))

I.U **Inventory Requirements.**

An emission inventory shall be submitted in accordance with the procedures of R307-150, Emission Inventories. (R307-150)

I.V **Title IV and Other, More Stringent Requirements.**

Where an applicable requirement is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, Acid Deposition Control, both provisions shall be incorporated into this permit. (R307-415-6a(1)(b))

SECTION II: SPECIAL PROVISIONS

II.A **Emission Unit(s) Permitted to Discharge Air Contaminants.**
(R307-415-4(3)(a) and R307-415-4(4))

II.A.1 **Permitted Source**
Source-wide

II.A.2 **CS RICE-1 and CS RICE-2**
Two (2) Natural gas-fired internal combustion engines, 4SLB. Capacity: 1,150 hp (each). Controls: Oxidation Catalyst. CS RICE-1 Date of Manufacture (DOM): 3/28/2007. CS RICE-2 DOM: 3/29/2007.

II.A.3 **CS RICE-3**
Natural gas-fired internal combustion engine, 4SRB. Capacity: 1,478 hp. Control: AFRC and NSCR. DOM: 6/16/1980. Subject to 40 CFR 63 Subpart ZZZZ.

II.A.4 **GPP C-250 and GPP C-251**
Two (2) natural gas-fired spark ignition (SI) internal combustion engines (ICE), 4SLB. Capacity: 1,340 hp (each). Controls: AFRC and Oxidation Catalyst. GPP C-250 and GPP C-251 DOM: 10/19/2005. Subject to 40 CFR 63 Subpart ZZZZ.

II.A.5 **GPP C-252 and GPP C-253**
Two (2) natural gas-fired SI ICE, 4SLB. Capacity: 1,380 hp (each). Controls: AFRC and Oxidation Catalyst. GPP C-252 DOM: 11/24/2017. GPP C-253 DOM: 1/11/2018. Subject to 40 CFR 60 Subpart JJJJ.

II.A.6 **GPP C-258**
Natural gas-fired SI ICE, 4SRB. Capacity: 1,900 hp. Control: NSCR. Subject to 40 CFR 60 Subpart JJJJ.

II.A.7 **GPP C-161 and GPP C-162**
Two (2) natural gas-fired SI ICE, 4SLB. Propane Compression Service. Capacity: 691 hp (each). Controls: AFRC and Oxidation Catalyst. GPP C-161 DOM: 4/27/2018. GPP C-162 DOM: 4/30/2018. Subject to 40 CFR 60 Subpart JJJJ.

II.A.8 **GPP C-163**
Natural gas-fired SI ICE, 4SLB. Propane Compression Service. Capacity: 691 hp. Control: AFRC and Oxidation Catalyst. Subject to 40 CFR 60 Subpart JJJJ.

II.A.9 **GPP C-256 and GPP C-257**
Two (2) Natural gas-fired SI ICE, 4SLB. Capacity: 400 hp (each). Control: NSCR. GPP C-256 DOM: 5/16/2018. GPP C257 DOM: 5/18/2018. Subject to 40 CFR 60 Subpart JJJJ.

II.A.10 **Compressor Engines Group 1**
GPP C-252, GPPC-253, GPP C-258, GPP C-161, GPP C-162, and GPP C-163. Subject to 40 CFR 60 Subpart JJJJ.

II.A.11 **Compressor Engines Group 2**
CS RICE-3, GPP C-250 and GPP C-251. Subject to 40 CFR 63 Subpart ZZZZ.

II.A.12 **Compressor Engines Group 3**
GPP C-252, GPPC-253, GPP C-256, GPPC-257, and GPP C-258. Subject to 40 CFR 60 Subpart OOOOa.

II.A.13 **GPP H-1**
Natural gas fired process heater. Capacity: 6 MMBtu/hr. Control: Ultra low NO_x burner (25 ppm NO_x).

II.A.14 **GPP COM-1 and GPP COM-2**
Two (2) combustors. GPP COM-1 has a pilot light (121 scfh) and assist gas (735 scfh). GPP COM-2 has a pilot light (121 scfh), no assist gas. GPP COM-1 controls GPP TK-837and GPP Dehy-1. GPP COM-2 controls GPP TK-870 and GPP TK-874.

II.A.15 **GPP Dehy-1 Dehydration Unit**
EG Dehydration Unit with electrical regeneration. Capacity: 30 MMscf/day. Control: Combustor GPP COM-1.

II.A.16 **GPP TK-870 and GPP TK-874**
Two (2) condensate storage tanks, 400 bbl (16,800 gallons) each. Control: Combustor GPP COM-2.

II.A.17 **GPP TK-837 Storage Tank**
BTEX water K.O. tank, 100 bbl (4,200 gallons). Control: Combustor GPP COM-1.

II.A.18 **FUG Fugitive Emissions**
Gas Processing Plant fugitive emissions. Subject to 40 CFR 60 Subpart OOOOa.

II.A.19 **GPP TL Truck Loading**
Gas Processing Plant Condensate Truck Loading. Control: Vapor Capture Line which is routed to storage tanks GPP-870 and GPP TK-874, which vent to combustor GPP COM-2.

II.A.20 **FL-1001 Process/Emergency Flare**
Emergency flare. Capacity: 50 MMscfd. Servicing both Compressor Station and Gas Processing Plant.

II.A.21 **CS T-211 thru T-214 Storage Tanks**
Four (4) Field Condensate Storage Tanks. Capacity: 400 bbl (16,800 gallons) each. No unit specific applicable requirements.

II.A.22 **CS T-951, T-952, and T-953**
Three (3) methanol storage tanks. T-951 Capacity: 140 bbl (5,880 gallons). T-952 Capacity: 100 bbl (4,200 gallons). T-953 Capacity: 140 bbl (5,880 gallons). No unit specific applicable requirements.

II.A.23 **CS T-943 Storage Tank**
Glycol storage tank. Capacity: 50 bbl (12,600 gallons). No unit specific applicable requirements.

II.A.24 **CS T-941 Storage Tank**
Lube oil storage tank. Capacity: 200 bbl (8,400 gallons). No unit specific applicable requirements.

II.A.25 **GPP TK-880 Storage Tank**
Used oil tank. Capacity: 400 bbl (16,880 gallons). No unit specific applicable requirements.

II.A.26 **GPP TK-872 Storage Tank**
Methanol storage tank. Capacity: 8,820 gallons. No unit specific applicable requirements.

II.A.27 **Miscellaneous Tanks**
Tank capacities: no greater than 400 bbl each. Material stored: lube oil, used lube oil, auxiliary water storage, ultra-fab H_2S scavenger and used ultra-fab H_2S scavenger. No unit specific applicable requirements.

II.B **Requirements and Limitations**

The following emission limitations, standards, and operational limitations apply to the permitted facility as indicated:

II.B.1 **Conditions on permitted source (Source-wide)**

II.B.1.a **Condition:**

Unless otherwise specified in this permit, at all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any equipment, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Director which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. [Origin: DAQE-AN102190015-21]. [40 CFR 60.11(d), R307-401-8]

II.B.1.a.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.1.a.2 **Recordkeeping:**

Permittee shall document activities performed to assure proper operation and maintenance. Records shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.1.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.b **Condition:**

Visible emissions from natural gas operated equipment shall be no greater than 10% percent opacity unless otherwise specified in this permit. [Origin: DAQE-AN102190015-21]. [R307-401-8, R307-201]

II.B.1.b.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.1.b.2 **Recordkeeping:**

In lieu of monitoring via visible emission observations, the permittee shall keep one of the following sets of records for each affected emission unit, as applicable:

(1) Documentation that the emission unit can only burn pipeline quality natural gas;

(2) Documentation that the fuels other than pipeline quality natural gas cannot be supplied to the emission unit without modification of the fuel supply system; or

(3) Fuel bills or fuel meter readings that demonstrate only pipeline quality natural gas are combusted in the emission unit.

The records required by this condition shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.1.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.c **Condition:**

1) General requirements for prevention of emissions and use of good air pollution control practices.

   (a) All condensate, and intermediate hydrocarbon liquids collection, storage, processing and handling operations, regardless of size, shall be designed, operated and maintained so as to minimize emission of VOCs to the atmosphere to the extent reasonably practicable.

   (b) At all times, including periods of start-up, shutdown, and malfunction, the installation and air pollution control equipment shall be maintained and operated in a manner consistent with good air pollution control practices for minimizing emissions.

   (c) Determination of whether or not acceptable operating and maintenance procedures are being used will be based on information available to the director, which may include, but is not limited to, monitoring results, infrared camera images, opacity observations, review of operating and maintenance procedures, and inspection of the source.

2) General requirements for air pollution control equipment.

   (a) All air pollution control equipment shall be operated and maintained pursuant to the manufacturing specifications or equivalent to the extent practicable and consistent with technological limitations and good engineering and maintenance practices.

   (b) In addition, all such air pollution control equipment shall be adequately designed and sized to achieve the control efficiency rates established in rules or in approval orders issued under R307-401 and to handle reasonably foreseeable fluctuations in emissions of VOCs during normal operations. Fluctuations in emissions that occur when the separator dumps into the tank are reasonably foreseeable.

[Origin: R307-501-4]. [R307-501-4]

II.B.1.c.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.1.c.2 **Recordkeeping:**

The permittee shall keep manufacturer specifications or equivalent on file and shall document activities performed to assure proper operation and maintenance. Records shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.1.c.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.d **Condition:**

The permittee shall comply with the applicable requirements for recycling and emission reduction for class I and class II refrigerants pursuant to 40 CFR 82 Subpart F - Recycling and Emissions Reduction. [Origin: 40 CFR 82 Subpart F]. [40 CFR 82.150(b)]

II.B.1.d.1 **Monitoring:**

The permittee shall certify, in the annual compliance statement required in Section I of this permit, its compliance status with the requirements of 40 CFR 82 Subpart F.

II.B.1.d.2 **Recordkeeping:**

All records required in 40 CFR 82 Subpart F shall be maintained consistent with the requirements of Provision S.1 in Section I of this permit.

II.B.1.d.3 **Reporting:**

All reports required in 40 CFR 82 Subpart F shall be submitted as required. There are no additional reporting requirements except as outlined in Section I of this permit.

II.B.1.e **Condition:**

A Risk Management Plan (RMP) developed in accordance with 40 CFR Part 68 shall be submitted to the United States Environmental Protection Agency not later than the applicable date in 40 CFR 68. [Origin: 40 CFR Part 68]. [40 CFR 68]

II.B.1.e.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.1.e.2 **Recordkeeping:**

A copy of the Risk Management Plan shall be available to the Director upon request. Records shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.1.e.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.f **Condition:**

By December 7, 2022, the permittee shall submit documentation to the Director on the status of construction of engine GPP C-258 and the heater GPP H-1. The referenced approval order (AO) may become invalid if construction is not commenced by December 7, 2022 or if construction is discontinued for 18 months or more. To ensure proper credit when notifying the Director, send the documentation to the Director, attn.: NSR Section. [Origin: DAQE-AN102190015-21]. [R307-401-8]

II.B.1.f.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.1.f.2 **Recordkeeping:**

The permittee shall maintain a copy of each notification required by this permit condition in accordance with Provision I.S.1 of this permit.

II.B.1.f.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.g **Condition:**

The permittee shall not exceed 30 million standard dry cubic feet of processed natural gas per day. [Origin: DAQE-AN102190015-21]. [R307-401-8]

II.B.1.g.1 **Monitoring:**

To demonstrate compliance, the permittee shall use rolling 12-month totals of processed natural gas to calculate daily totals. Production shall be determined by gas flow meters for natural gas and hours of operation.

II.B.1.g.2 **Recordkeeping:**

The records of processing and production shall be kept on a daily basis. Hours of operation shall be determined by supervisor monitoring and maintaining an operations log. Records of production shall be kept for all periods when the plant is in operation.

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.1.g.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.h **Condition:**

The permittee shall keep the storage tank thief hatches and other tank openings closed and sealed except during tank unloading or other maintenance activities. [Origin: DAQE-AN102190015-21]. [R307-401-8]

II.B.1.h.1 **Monitoring:**

The permittee shall inspect the thief hatches at least once every six months to ensure the thief hatches are closed, latched and the associated gaskets, if any, are in good working condition.

II.B.1.h.2 **Recordkeeping:**

Records of thief hatch inspections shall include the date of the inspection and the status of the thief hatches. Records shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.1.h.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.i **Condition:**

If the permittee deposits materials that may create fugitive dust on a public or private paved road, the permittee shall clean the road promptly. [Origin: R307-205]. [R307-205-6]

II.B.1.i.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.1.i.2 **Recordkeeping:**

Records of measures taken to minimize fugitive dust shall be maintained. Records that demonstrate compliance with this condition shall be maintained as described in Provision I.S.1 of this permit.

II.B.1.i.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.2 **Conditions on CS RICE-1 and CS RICE-2**

II.B.2.a **Condition:**

Emissions of NO_x shall not exceed the following rates:

CS RICE-1 and CS RICE-2

Pollutant	lb/hr
NO_x	3.8 (each)

[Origin: DAQE-AN102190015-21]. [R307-401-8]

II.B.2.a.1 **Monitoring:**

Stack testing shall be performed as specified below:

(a) Frequency – Emissions shall be tested every three years, or annually if a portable testing analyzer is used. The source may also be tested at any time if directed by the Director.

(b) Notification - At least 30 days before the test, the permittee shall notify the Director of the date, time, and place of testing and provide a copy of the source test protocol. The source test protocol shall be approved by the Director prior to performing the test(s). The source test protocol shall outline the proposed test methodologies, stack to be tested, and procedures to be used. The source shall attend a pretest conference if determined necessary by the Director.

(c) Sample Location
The emission point shall be designed to conform to the requirements of 40 CFR 60, Appendix A, Method 1, or other EPA testing methods acceptable to the Director. An Occupational Safety and Health Administration (OSHA) or Mine Safety and Health Administration (MSHA) approved access shall be provided to the test location.

(d) Methods

(1) Volumetric Flow Rate

40 CFR 60, Appendix A, Method 2, Method 19 or other EPA testing methods acceptable to the Director shall be used.

(2) Nitrogen Oxides (NO_x)
40 CFR 60, Appendix A, Method 7, 7A, 7B, 7C, 7D or 7E, or other EPA testing methods acceptable to the Director shall be used to determine the pollutant emission rate.

(e) Calculations
To determine mass emission rates (lb/hr, etc.) the pollutant concentration as determined by the appropriate methods above shall be multiplied by the volumetric flow rate and any necessary conversion factors determined by the Director, to give the results in the specified units of the emission limitation.

(f) Combustion Rate During Testing
The combustion rate during all compliance testing shall be no less than 90% of the maximum combustion rate achieved in the previous three (3) years.

II.B.2.a.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.2.a.3 **Reporting:**

Results of required stack testing shall be submitted to the Director within 60 days of completion of the testing. The submittal shall clearly identify results and indicate compliance status.

There are no additional reporting requirements for this provision except those specified in Section I of this permit.

II.B.2.b **Condition:**

Emissions of CO shall not exceed the following rates:

CS RICE-1 and CS RICE-2

Pollutant	lb/hr
CO	0.31 (each)

[Origin: DAQE-AN102190015-21]. [R307-401-8]

II.B.2.b.1 **Monitoring:**

Stack testing shall be performed as specified below:

(a) Frequency – Emissions shall be tested every three years, or annually if a portable testing analyzer is used. The source may also be tested at any time if directed by the Director.

(b) Notification - At least 30 days before the test, the permittee shall notify the Director of the date, time, and place of testing and provide a copy of the source test protocol. The source test protocol shall be approved by the Director prior to performing the test(s). The source test protocol shall outline the proposed test methodologies, stack to be tested, and procedures to be used. The source shall attend a pretest conference if determined necessary by the Director.

(c) Sample Location
The emission point shall be designed to conform to the requirements of 40 CFR 60, Appendix A, Method 1, or other EPA testing methods acceptable to the Director. An Occupational Safety

and Health Administration (OSHA) or Mine Safety and Health Administration (MSHA) approved access shall be provided to the test location.

(d) Methods

(1) Volumetric Flow Rate
40 CFR 60, Appendix A, Method 2, Method 19 or other EPA testing methods acceptable to the Director shall be used.

(2) Carbon Monoxide (CO)
40 CFR 60, Appendix A, Method 10, or other EPA testing methods acceptable to the Director shall be used to determine the pollutant emission rate.

(e) Calculations
To determine mass emission rates (lb/hr, etc.) the pollutant concentration as determined by the appropriate methods above shall be multiplied by the volumetric flow rate and any necessary conversion factors determined by the Director, to give the results in the specified units of the emission limitation.

(f) Combustion Rate During Testing
The combustion rate during all compliance testing shall be no less than 90% of the maximum combustion rate achieved in the previous three (3) years.

II.B.2.b.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.2.b.3 **Reporting:**

Results of required stack testing shall be submitted to the Director within 60 days of completion of the testing. The submittal shall clearly identify results and indicate compliance status.

There are no additional reporting requirements for this provision except those specified in Section I of this permit.

II.B.3 **Conditions on GPP C-256 and GPP C-257**

II.B.3.a **Condition:**

The permittee shall comply with all applicable requirements in 40 CFR 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines. The permittee shall comply with the applicable General Provisions in 40 CFR 60.4248 as identified in Table 3.

(1) The permittee of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use liquefied petroleum gas) shall comply with the emission standards in Table 1 to 40 CFR 60 Subpart JJJJ for each stationary SI ICE. The provisions of 40 CFR 60.4236 of this subpart are applicable to the permittee of stationary SI ICE that commence construction after June 12, 2006. [40 CFR 60.4230, 40 CFR 60.4233(e)]

(2) The air-to-fuel ratio controller shall be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times. [40 CFR 60.4243(g)]

(3) If the permittee operates and maintains a certified stationary SI internal combustion engine and control device, they shall meet the requirements of 40 CFR 1068 A through D as applicable. If the permittee

adjusts engine settings according to and consistent with the manufacturer's instructions, the stationary SI internal combustion engine will not be considered out of compliance. [40 CFR 60.4243(a)(1)]

(4) The permittee shall operate and maintain stationary SI ICE that achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine. [40 CFR 60.4234]

(5) The permittee shall comply with the applicable general provisions in 40 CFR 60.1-19 (40 CFR 60 Subpart A) as identified in Table 3 of 40 CFR 60 Subpart JJJJ. [40 CFR 60.4246 and 40 CFR 60 Subpart JJJJ Table 3]

[Origin: 40 CFR 60 Subpart JJJJ]. [40 CFR 60.4230, 40 CFR 60.4233(e), 40 CFR 60.4234, 40 CFR 60.4243(a)(1), 40 CFR 60.4243(g), 40 CFR 60.4246]

II.B.3.a.1 **Monitoring:**

(a) The permittee shall demonstrate compliance according to one of the methods specified in (a)(1) and (2) of this section.

(1) Purchasing an engine certified according to procedures specified in this condition, for the same model year and demonstrating compliance according to one of the methods specified in 40 CFR 60.4243(a). [40 CFR 60.4243(b)(1)]

(2) Purchasing a non-certified engine and demonstrating compliance with the emission standards specified in paragraph (1) of condition II.B.3.a and according to the requirements specified in 40 CFR 60.4244, as applicable, and according to paragraph (a)(2)(i) of this section. [40 CFR 60.4243(b)(2)]

(i) The permittee of a stationary SI internal combustion engine greater than 25 HP and less than or equal to 500 HP, shall keep a maintenance plan and records of conducted maintenance and shall, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, The permittee shall conduct an initial performance test to demonstrate compliance. [40 CFR 60.4243(b)(2)(i)]

(b) Performance tests shall be conducted in accordance with 40 CFR 60.4244 and Table 2 of 40 CFR 60 Subpart JJJJ. [40 CFR 60.4243(b)(2)]

(c) The permittee shall comply with the applicable general provisions in 40 CFR 60.1-19 as identified in Table 3 of 40 CFR 60 Subpart JJJJ. [40 CFR 60.4246]

II.B.3.a.2 **Recordkeeping:**

The permittee shall keep records of the following:

(1) All notifications submitted to comply with this subpart and all documentation supporting any notification. [40 CFR 60.4245(a)(1)]

(2) Maintenance conducted on the engine. [40 CFR 60.4245(a)(2)]

(3) If the permittee operates and maintains a certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, the permittee shall keep records of conducted maintenance to demonstrate compliance. [40 CFR 60.4243(a)(1)]

(4) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 1048, 1054, and 1060, as applicable. [40 CFR 60.4245(a)(3)]

(5) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to 40 CFR 60.4243(a)(2), documentation that the engine meets the emission standards. [40 CFR 60.4245(a)(4)]

The permittee shall comply with the applicable general provisions in 40 CFR 60.1-19 as identified in Table 3 of 40 CFR 60 Subpart JJJJ. [40 CFR 60.4246]

Records shall be maintained as described in Provision I.S.1 of this permit.

II.B.3.a.3 **Reporting:**

For affected emission units that are subject to performance testing, the permittee shall submit a copy of each performance test as conducted in 40 CFR 60.4244 within 60 days after the test has been completed. [40 CFR 60.4245(d)]

The permittee shall comply with the applicable general provisions in 40 CFR 60.1-19 as identified in Table 3 of 40 CFR 60 Subpart JJJJ. [40 CFR 60.4246]

There are no additional reporting requirements for this provision except those specified in Section I of this permit.

II.B.4 **Conditions on Compressor Engines Group 1**

II.B.4.a **Condition:**

Emissions of NO_x shall not exceed the following rates:

GPP C-252 and GPP C-253

Pollutant	lb/hr
NO_x	2.13 (each)

GPP C-161, GPP C-162 and GPP C-163

Pollutant	lb/hr
NO_x	0.76 (each)

GPP C-258

Pollutant	lb/hr
NO_x	2.09

[Origin: DAQE-AN102190015-21]. [R307-401-8]

II.B.4.a.1 **Monitoring:**

Stack testing shall be performed as specified below:

(a) Frequency - For Engines GPP C-258 and GPP C-163, the permittee shall perform an initial test as soon as possible and in no case later than 180 days after the start-up of the new equipment. Thereafter, and for all existing engines, emissions shall be tested every three years, or annually if a portable testing analyzer is used. The source may also be tested at any time if directed by the Director.

(b) Notification - At least 30 days before the test, the permittee shall notify the Director of the date, time, and place of testing and provide a copy of the source test protocol. The source test protocol shall be approved by the Director prior to performing the test(s). The source test protocol shall outline the proposed test methodologies, stack to be tested, and procedures to be used. The source shall attend a pretest conference if determined necessary by the Director.

(c) Sample Location
The emission point shall be designed to conform to the requirements of 40 CFR 60, Appendix A, Method 1, or other EPA testing methods acceptable to the Director. An Occupational Safety and Health Administration (OSHA) or Mine Safety and Health Administration (MSHA) approved access shall be provided to the test location.

(d) Methods

(1) Volumetric Flow Rate
40 CFR 60, Appendix A, Method 2, Method 19 or other EPA testing methods acceptable to the Director shall be used.

(2) Nitrogen Oxides (NO_x)
40 CFR 60, Appendix A, Method 7, 7A, 7B, 7C, 7D or 7E, or other EPA testing methods acceptable to the Director shall be used to determine the pollutant emission rate.

(e) Calculations
To determine mass emission rates (lb/hr, etc.) the pollutant concentration as determined by the appropriate methods above shall be multiplied by the volumetric flow rate and any necessary conversion factors determined by the Director, to give the results in the specified units of the emission limitation.

(f) New Source Combustion Rate During Testing
For a new source/emission point, the combustion rate during all compliance testing shall be no less than 90% of the capacity listed in DAQE-AN102190015-21. If the maximum allowable combustion rate in DAQE-AN102190015-21 has not been achieved at the time of the test, the following procedure shall be followed:

(1) Testing shall be at no less than 90% of the combustion rate achieved to date.

(2) If the test is passed, the new maximum allowable combustion rate shall be 110% of the tested achieved rate, but not more than the maximum allowable combustion rate. This new allowable maximum combustion rate shall remain in effect until successfully tested at a higher rate.

(3) The permittee shall request a higher combustion rate when necessary. Testing at no less than 90% of the higher rate shall be conducted. A new maximum combustion rate (110% of the new rate) will then be allowed if the test is successful. This process may be repeated until the maximum combustion rate in DAQE-AN102190015-21 is achieved.

(g) Existing Source Combustion Rate During Testing
For an existing source/emission point, the combustion rate during all compliance testing shall be no less than 90% of the maximum combustion rate achieved in the previous three (3) years.

II.B.4.a.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.4.a.3 **Reporting:**

Results of required stack testing shall be submitted to the Director within 60 days of completion of the testing. The submittal shall clearly identify results and indicate compliance status.

There are no additional reporting requirements for this provision except those specified in Section I of this permit.

II.B.4.b **Condition:**

Emissions of CO shall not exceed the following rates:

GPP C-252 and GPP C-253

Pollutant	lb/hr
CO	2.44 (each)

GPP C-161, GPP C-162 and GPP C-163

Pollutant	lb/hr
CO	1.24 (each)

GPP C-258

Pollutant	lb/hr
CO	3.35

[Origin: DAQE-AN102190015-21]. [R307-401-8]

II.B.4.b.1 **Monitoring:**

Stack testing shall be performed as specified below:

(a) Frequency - For Engines GPP C-258 and GPP C-163, the permittee shall perform an initial test as soon as possible and in no case later than 180 days after the start-up of the new equipment. Thereafter, and for all existing engines, emissions shall be tested every three years, or annually if a portable testing analyzer is used. The source may also be tested at any time if directed by the Director.

(b) Notification - At least 30 days before the test, the permittee shall notify the Director of the date, time, and place of testing and provide a copy of the source test protocol. The source test protocol shall be approved by the Director prior to performing the test(s). The source test protocol shall outline the proposed test methodologies, stack to be tested, and procedures to be used. The source shall attend a pretest conference if determined necessary by the Director.

(c) Sample Location
The emission point shall be designed to conform to the requirements of 40 CFR 60, Appendix A, Method 1, or other EPA testing methods acceptable to the Director. An Occupational Safety and Health Administration (OSHA) or Mine Safety and Health Administration (MSHA) approved access shall be provided to the test location.

(d) Methods

(1) Volumetric Flow Rate
40 CFR 60, Appendix A, Method 2, Method 19 or other EPA testing methods acceptable to the Director shall be used.

(2) Carbon Monoxide (CO)
40 CFR 60, Appendix A, Method 10, or other EPA testing methods acceptable to the

Director shall be used to determine the pollutant emission rate.

(e) Calculations
To determine mass emission rates (lb/hr, etc.) the pollutant concentration as determined by the appropriate methods above shall be multiplied by the volumetric flow rate and any necessary conversion factors determined by the Director, to give the results in the specified units of the emission limitation.

(f) New Source Combustion Rate During Testing
For a new source/emission point, the combustion rate during all compliance testing shall be no less than 90% of the capacity listed in DAQE-AN102190015-21. If the maximum allowable combustion rate in DAQE-AN102190015-21 has not been achieved at the time of the test, the following procedure shall be followed:

(1) Testing shall be at no less than 90% of the combustion rate achieved to date.

(2) If the test is passed, the new maximum allowable combustion rate shall be 110% of the tested achieved rate, but not more than the maximum allowable combustion rate. This new allowable maximum combustion rate shall remain in effect until successfully tested at a higher rate.

(3) The permittee shall request a higher combustion rate when necessary. Testing at no less than 90% of the higher rate shall be conducted. A new maximum combustion rate (110% of the new rate) will then be allowed if the test is successful. This process may be repeated until the maximum combustion rate in DAQE-AN102190015-21 is achieved.

(g) Existing Source Combustion Rate During Testing
For an existing source/emission point, the combustion rate during all compliance testing shall be no less than 90% of the maximum combustion rate achieved in the previous three (3) years.

II.B.4.b.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.4.b.3 **Reporting:**

Results of required stack testing shall be submitted to the Director within 60 days of completion of the testing. The submittal shall clearly identify results and indicate compliance status.

There are no additional reporting requirements for this provision except those specified in Section I of this permit.

II.B.4.c **Condition:**

Emissions of VOC shall not exceed the following rates:

GPP C-252 and GPP C-253

Pollutant	lb/hr
VOC	2.13 (each)

GPP C-161, GPP C-162 and GPP C-163

Pollutant	lb/hr
VOC	1.07 (each)

GPP C-258

Pollutant	lb/hr
VOC	2.09

[Origin: DAQE-AN102190015-21]. [R307-401-8]

II.B.4.c.1 **Monitoring:**

Stack testing shall be performed as specified below:

(a) Frequency - For Engines GPP C-258 and GPP C-163, the permittee shall perform an initial test as soon as possible and in no case later than 180 days after the start-up of the new equipment. Thereafter, and for all existing engines, emissions shall be tested every three years, or annually if a portable testing analyzer is used. The source may also be tested at any time if directed by the Director.

(b) Notification - At least 30 days before the test, the permittee shall notify the Director of the date, time, and place of testing and provide a copy of the source test protocol. The source test protocol shall be approved by the Director prior to performing the test(s). The source test protocol shall outline the proposed test methodologies, stack to be tested, and procedures to be used. The source shall attend a pretest conference if determined necessary by the Director.

(c) Sample Location
The emission point shall be designed to conform to the requirements of 40 CFR 60, Appendix A, Method 1, or other EPA testing methods acceptable to the Director. An Occupational Safety and Health Administration (OSHA) or Mine Safety and Health Administration (MSHA) approved access shall be provided to the test location.

(d) Methods

(1) Volumetric Flow Rate
40 CFR 60, Appendix A, Method 2, Method 19 or other EPA testing methods acceptable to the Director shall be used.

(2) Volatile Organic Carbon (VOC)
40 CFR 60, Appendix A, Method 18, 25, 25A, 40 CFR 63 Appendix A Method 320 or other EPA-approved testing method, as acceptable to the Director shall be used to determine the pollutant emission rate.

(e) Calculations
To determine mass emission rates (lb/hr, etc.) the pollutant concentration as determined by the appropriate methods above shall be multiplied by the volumetric flow rate and any necessary conversion factors determined by the Director, to give the results in the specified units of the emission limitation.

(f) New Source Combustion Rate During Testing
For a new source/emission point, the combustion rate during all compliance testing shall be no less than 90% of the capacity listed in DAQE-AN102190015-21. If the maximum allowable combustion rate in DAQE-AN102190015-21 has not been achieved at the time of the test, the following procedure shall be followed:

(1) Testing shall be at no less than 90% of the combustion rate achieved to date.

(2) If the test is passed, the new maximum allowable combustion rate shall be 110% of the tested achieved rate, but not more than the maximum allowable combustion rate. This new allowable maximum combustion rate shall remain in effect until successfully tested at a

higher rate.

(3) The permittee shall request a higher combustion rate when necessary. Testing at no less than 90% of the higher rate shall be conducted. A new maximum combustion rate (110% of the new rate) will then be allowed if the test is successful. This process may be repeated until the maximum combustion rate in DAQE-AN102190015-21 is achieved.

(g) Existing Source Combustion Rate During Testing
For an existing source/emission point, the combustion rate during all compliance testing shall be no less than 90% of the maximum combustion rate achieved in the previous three (3) years.

II.B.4.c.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit

II.B.4.c.3 **Reporting:**

Results of required stack testing shall be submitted to the Director within 60 days of completion of the testing. The submittal shall clearly identify results and indicate compliance status.

There are no additional reporting requirements for this provision except those specified in Section I of this permit.

II.B.4.d **Condition:**

The permittee shall comply with all applicable requirements in 40 CFR 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines. The permittee shall comply with the applicable General Provisions in 40 CFR 60.4248 as identified in Table 3.

(1) The permittee of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use liquefied petroleum gas) shall comply with the emission standards in Table 1 to 40 CFR 60 Subpart JJJJ for each stationary SI ICE. [40 CFR 60.4233(e)]

(2) After July 1, 2009, the permittee may not install stationary SI ICE with a maximum engine power of greater than or equal to 500 HP that do not meet the applicable requirements in 40 CFR 60.4233, except that lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP that do not meet the applicable requirements in 40 CFR 60.4233 may not be installed after January 1, 2010. [40 CFR 60.4236(b)]

(3) The air-to-fuel ratio controller shall be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times. [40 CFR 60.4243(g)]

(4) If the permittee operates and maintains a certified stationary SI internal combustion engine and control device, they shall meet the requirements of 40 CFR 1068 A through D as applicable. If the permittee adjusts engine settings according to and consistent with the manufacturer's instructions, the stationary SI internal combustion engine will not be considered out of compliance. [40 CFR 60.4243(a)(1)]

(5) The permittee shall operate and maintain stationary SI ICE that achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine. [40 CFR 60.4234]

(6) The permittee shall comply with the applicable general provisions in 40 CFR 60.1-19 (40 CFR 60 Subpart A) as identified in Table 3 of 40 CFR 60 Subpart JJJJ. [40 CFR 60.4246 and 40 CFR 60 Subpart JJJJ Table 3]

[Origin: 40 CFR 60 Subpart JJJJ and DAQE-AN102190015-21]. [40 CFR 60.4230, 40 CFR 60.4233(e), 40 CFR 60.4234, 40 CFR 60.4236(b), 40 CFR 60.4243(a)(1), 40 CFR 60.4243(g), 40 CFR 60.4246]

II.B.4.d.1 **Monitoring:**

(a) The permittee shall demonstrate compliance according to one of the methods specified in (a)(1) and (2) of this section.

(1) Purchasing an engine certified according to procedures specified in this condition, for the same model year and demonstrating compliance according to one of the methods specified in 40 CFR 60.4243(a). [40 CFR 60.4243(b)(1)]

(2) Purchasing a non-certified engine and demonstrating compliance with the emission standards specified in paragraph (1) of condition II.B.4.d and according to the requirements specified in 40 CFR 60.4244, as applicable, and according to paragraph (a)(2)(i) of this section. [40 CFR 60.4243(b)(2)]

(i) The permittee of a stationary SI internal combustion engine greater than 500 HP, shall keep a maintenance plan and records of conducted maintenance and shall, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the permittee shall conduct an initial performance test and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance. [40 CFR 60.4243(b)(2)(ii)]

(b) The permittee shall comply with the applicable general provisions in 40 CFR 60.1-19 as identified in Table 3 of 40 CFR 60 Subpart JJJJ. [40 CFR 60.4246]

II.B.4.d.2 **Recordkeeping:**

The permittee shall keep records of the following:

(1) All notifications submitted to comply with this subpart and all documentation supporting any notification. [40 CFR 60.4245(a)(1)]

(2) Maintenance conducted on the engine. [40 CFR 60.4245(a)(2)]]]

(3) If the permittee operates and maintains a certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, the permittee shall keep records of conducted maintenance to demonstrate compliance. [40 CFR 60.4243(a)(1)]

(4) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 1048, 1054, and 1060, as applicable. [40 CFR 60.4245(a)(3)]

(5) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to 40 CFR 60.4243(a)(2), documentation that the engine meets the emission standards. [40 CFR 60.4245(a)(4)]

The permittee shall comply with the applicable general provisions in 40 CFR 60.1-19 as identified in Table 3 of 40 CFR 60 Subpart JJJJ. [40 CFR 60.4246]

Records shall be maintained as described in Provision I.S.1 of this permit.

II.B.4.d.3 **Reporting:**

If the permittee installs an engine that has not been certified by the engine manufacturer to meet the emission standards in 40 CFR 60.4231 the permittee shall submit an initial notification as required in 40 CFR 60.7(a)(1) and shall include the information in 40 CFR 60.4245(c)(1) through (5). [40 CFR 60.4245(c)]

A copy of each performance test as conducted in 40 CFR 60.4244 shall be submitted within 60 days after the test has been completed. [40 CFR 60.4245(d)]

The permittee shall comply with the applicable general provisions in 40 CFR 60.1-19 as identified in Table 3 of 40 CFR 60 Subpart JJJJ. [40 CFR 60.4246]

Reporting requirements for this provision are specified in Section I of this permit.

II.B.5 **Conditions on Compressor Engines Group 2**

II.B.5.a **Condition:**

Emissions of NO_x shall not exceed the following rates:

CS RICE-3

Pollutant	lb/hr
NO_x	1.3

GPP C-250 and GPP C-251

Pollutant	lb/hr
NO_x	4.43 (each)

[Origin: DAQE-AN102190015-21]. [R307-401-8]

II.B.5.a.1 **Monitoring:**

Stack testing shall be performed as specified below:

(a) Frequency – Emissions shall be tested every three years, or annually if a portable testing analyzer is used. The source may also be tested at any time if directed by the Director.

(b) Notification - At least 30 days before the test, the permittee shall notify the Director of the date, time, and place of testing and provide a copy of the source test protocol. The source test protocol shall be approved by the Director prior to performing the test(s). The source test protocol shall outline the proposed test methodologies, stack to be tested, and procedures to be used. The source shall attend a pretest conference if determined necessary by the Director.

(c) Sample Location
The emission point shall be designed to conform to the requirements of 40 CFR 60, Appendix A, Method 1, or other EPA testing methods acceptable to the Director. An Occupational Safety and Health Administration (OSHA) or Mine Safety and Health Administration (MSHA) approved access shall be provided to the test location.

(d) Methods

(1) Volumetric Flow Rate

40 CFR 60, Appendix A, Method 2, Method 19 or other EPA testing methods acceptable to the Director shall be used.

(2) Nitrogen Oxides (NO_x)
40 CFR 60, Appendix A, Method 7, 7A, 7B, 7C, 7D or 7E, or other EPA testing methods acceptable to the Director shall be used to determine the pollutant emission rate.

(e) Calculations
To determine mass emission rates (lb/hr, etc.) the pollutant concentration as determined by the appropriate methods above shall be multiplied by the volumetric flow rate and any necessary conversion factors determined by the Director, to give the results in the specified units of the emission limitation.

(f) Combustion Rate During Testing
The combustion rate during all compliance testing shall be no less than 90% of the maximum combustion rate achieved in the previous three (3) years.

II.B.5.a.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.5.a.3 **Reporting:**

Results of required stack testing shall be submitted to the Director within 60 days of completion of the testing. The submittal shall clearly identify results and indicate compliance status.

There are no additional reporting requirements for this provision except those specified in Section I of this permit.

II.B.5.b **Condition:**

Emissions of CO shall not exceed the following rates:

CS RICE-3

Pollutant	lb/hr
CO	0.55

GPP C-250 and GPP C-251

Pollutant	lb/hr
CO	1.68 (each)

[Origin: DAQE-AN102190015-21]. [R307-401-8]

II.B.5.b.1 **Monitoring:**

Stack testing shall be performed as specified below:

(a) Frequency – Emissions shall be tested every three years, or annually if a portable testing analyzer is used. The source may also be tested at any time if directed by the Director.

(b) Notification - At least 30 days before the test, the permittee shall notify the Director of the date, time, and place of testing and provide a copy of the source test protocol. The source test protocol shall be approved by the Director prior to performing the test(s). The source test protocol shall outline the proposed test methodologies, stack to be tested, and procedures to be used. The source shall attend a pretest conference if determined necessary by the Director.

(c) Sample Location
The emission point shall be designed to conform to the requirements of 40 CFR 60, Appendix A, Method 1, or other EPA testing methods acceptable to the Director. An Occupational Safety and Health Administration (OSHA) or Mine Safety and Health Administration (MSHA) approved access shall be provided to the test location.

(d) Methods

(1) Volumetric Flow Rate
40 CFR 60, Appendix A, Method 2, Method 19 or other EPA testing methods acceptable to the Director shall be used.

(2) Carbon Monoxide (CO)
40 CFR 60, Appendix A, Method 10, or other EPA testing methods acceptable to the Director shall be used to determine the pollutant emission rate.

(e) Calculations
To determine mass emission rates (lb/hr, etc.) the pollutant concentration as determined by the appropriate methods above shall be multiplied by the volumetric flow rate and any necessary conversion factors determined by the Director, to give the results in the specified units of the emission limitation.

(f) Combustion Rate During Testing
The combustion rate during all compliance testing shall be no less than 90% of the maximum combustion rate achieved in the previous three (3) years.

II.B.5.b.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.5.b.3 **Reporting:**

Results of required stack testing shall be submitted to the Director within 60 days of completion of the testing. The submittal shall clearly identify results and indicate compliance status.

There are no additional reporting requirements for this provision except those specified in Section I of this permit.

II.B.5.c **Condition:**

Emissions of VOC shall not exceed the following rates:

GPP C-250 and GPP C-251

Pollutant	lb/hr
VOC	2.07 (each)

[Origin: DAQE-AN102190015-21]. [R307-401-8]

II.B.5.c.1 **Monitoring:**

Stack testing shall be performed as specified below:

(a) Frequency - Emissions shall be tested every three years, or annually if a portable testing analyzer is used. The source may also be tested at any time if directed by the Director.

(b) Notification - At least 30 days before the test, the permittee shall notify the Director of the date, time, and place of testing and provide a copy of the source test protocol. The source test protocol shall be approved by the Director prior to performing the test(s). The source test protocol shall outline the proposed test methodologies, stack to be tested, and procedures to be used. The source shall attend a pretest conference if determined necessary by the Director.

(c) Sample Location
The emission point shall be designed to conform to the requirements of 40 CFR 60, Appendix A, Method 1, or other EPA testing methods acceptable to the Director. An Occupational Safety and Health Administration (OSHA) or Mine Safety and Health Administration (MSHA) approved access shall be provided to the test location.

(d) Methods

(1) For Volumetric Flow Rate: 40 CFR 60, Appendix A, Method 2, Method 19 or other EPA testing method, as acceptable to the Director shall be used.

(2) For Volatile Organic Carbon (VOC): 40 CFR 60, Appendix A, Method 18, 25, 25A, 40 CFR 63 Appendix A Method 320 or other EPA-approved testing method, as acceptable to the Director shall be used to determine the pollutant emission rate.

(e) Calculations
To determine mass emission rates (lb/hr, etc.) the pollutant concentration as determined by the appropriate methods above shall be multiplied by the volumetric flow rate and any necessary conversion factors determined by the Director, to give the results in the specified units of the emission limitation.

(f) Combustion Rate During Testing
The combustion rate during all compliance testing shall be no less than 90% of the maximum combustion rate achieved in the previous three (3) years.

II.B.5.c.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.5.c.3 **Reporting:**

Results of required stack testing shall be submitted to the Director within 60 days of completion of the testing. The submittal shall clearly identify results and indicate compliance status.

There are no additional reporting requirements for this provision except those specified in Section I of this permit.

II.B.5.d **Condition:**

At all times the permittee shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Director which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [Origin: 40 CFR 63 Subpart ZZZZ]. [40 CFR 63.6605(b)]

II.B.5.d.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.5.d.2 **Recordkeeping:**

The permittee shall keep records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR 63.6655(a)] The permittee shall document activities performed to assure proper operation and maintenance. Records shall be maintained in accordance with 40 CFR 63.6660 and Provision I.S.1 of this permit.

II.B.5.d.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.5.e **Condition:**

For existing, 4SLB, 4SRB, non-emergency, non-black start remote RICE > 500 hp:

(1) The permittee shall evaluate the status of their stationary RICE every 12 months. If the evaluation indicates that the stationary RICE no longer meets the definition of remote stationary RICE in 40 CFR 63.6675, the permittee shall comply with all of the requirements for existing non-emergency SI 4SLB and 4SRB stationary RICE with a site rating of more than 500 HP located at area sources of HAP that are not remote stationary RICE within 1 year of the evaluation.

(2) Except during periods of startup, the permittee shall:

(a) Change oil and filter every 2,160 hours of operation or annually, whichever comes first;

(b) Inspect spark plugs every 2,160 hours of operation or annually, whichever comes first, and replace as necessary; and

(c) Inspect all hoses and belts every 2,160 hours of operation or annually, whichever comes first, and replace as necessary.

(d) The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in accordance with 40 CFR 63.6625(j).

(3) During periods of startup the permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

(4) The permittee shall comply with the applicable general provisions in 40 CFR 63.1-15 as identified in Table 8 of 40 CFR 63 Subpart ZZZZ.

[Origin: 40 CFR 63 Subpart ZZZZ]. [40 CFR 63.6603(a), 40 CFR 63.6603(f), 40 CFR 63.6665, 40 CFR 63 Subpart ZZZZ Table 2d(11), 40 CFR 63 Subpart ZZZZ Table 2d(8), 40 CFR 63 Subpart ZZZZ Table 8]

II.B.5.e.1 **Monitoring:**

The permittee shall demonstrate continuous compliance by operating and maintaining the stationary RICE according to the manufacturer's emission-related written operation and maintenance

instructions or develop and follow the permittee's own maintenance plan which shall provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6640(a), 40 CFR 63 Subpart ZZZZ Table 6]

The permittee shall comply with the applicable general provisions in 40 CFR 63.1-15 as identified in Table 8 of 40 CFR 63 Subpart ZZZZ. [40 CFR 63.6665]

II.B.5.e.2 **Recordkeeping:**

The permittee shall keep records of the initial and annual evaluation of the remote status of each affected emission unit. [40 CFR 63.6603(f)]

The permittee shall keep records that demonstrate continuous compliance with each applicable operating limitation [including, but not limited to, the manufacturer's emission-related operation and maintenance instructions or the permittee-developed maintenance plan]. [40 CFR 63.6655(d), 40 CFR 63 Subpart ZZZZ Table 6]

Records of the maintenance conducted shall be kept in order to demonstrate that the permittee operated and maintained the affected emission unit and after-treatment control device (if any) according to their own maintenance plan. [40 CFR 63.6655(e)]

The permittee shall comply with the applicable general provisions in 40 CFR 63.1-15 as identified in Table 8 of 40 CFR 63 Subpart ZZZZ. [40 CFR 63.6665]

Records shall be maintained in accordance with 40 CFR 63.6660 and Provision I.S.1 of this permit.

II.B.5.e.3 **Reporting:**

Each instance in which the permittee did not meet each emission limitation or operating limitation in Table 2d in 40 CFR 63 Subpart ZZZZ shall be reported according to the requirements in 40 CFR 63.6650. [40 CFR 63.6640(b)]

The permittee shall comply with the applicable general provisions in 40 CFR 63.1-15 as identified in 40 CFR 63 Subpart ZZZZ Table 8. [40 CFR 63.6665] The permittee shall also report each instance in which it did not meet the applicable requirements in Table 8. [40 CFR 63.6640(e)]

There are no additional reporting requirements for this provision except those specified in Section I of this permit.

II.B.6 **Conditions on Compressor Engines Group 3**

II.B.6.a **Condition:**

The permittee shall comply with all applicable requirements for reciprocating compressor affected facilities in 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.

(a) The permittee shall replace the reciprocating compressor rod packing according to either paragraph (a)(1) or (2) of this section, or the permittee shall comply with paragraph (a)(3) of this section:

(1) On or before the compressor has operated for 26,000 hours. The number of hours of operation shall be continuously monitored beginning upon initial startup of your reciprocating compressor affected facility, August 2, 2016, or the date of the most recent reciprocating compressor rod

packing replacement, whichever is latest.

(2) Prior to 36 months from the date of the most recent rod packing replacement, or 36 months from the date of startup for a new reciprocating compressor for which the rod packing has not yet been replaced.

(3) Collect the VOC emissions from the rod packing using a rod packing emissions collection system that operates under negative pressure and route the rod packing emissions to a process through a closed vent system that meets the requirements of 40 CFR 60.5411a(a) and (d).

(b) The permittee shall comply with the applicable General Provisions in 40 CFR 60.1-19 (40 CFR 60 Subpart A) as identified in Table 3 of 40 CFR 60 Subpart OOOOa. [40 CFR 60.5425a]

[Origin: 40 CFR 60 Subpart OOOOa]. [40 CFR 60.5385a(a), 40 CFR 60.5425a]

II.B.6.a.1 **Monitoring:**

The permittee shall demonstrate initial compliance with standards that apply to reciprocating compressor affected facilities as required by 40 CFR 60.5410a. [40 CFR 60.5385a(b)]

(a) If complying with (a)(1) or (2) of this condition:

1. During the initial compliance period, the permittee shall continuously monitor the number of hours of operation or track the number of months since initial startup, since August 2, 2016, or since the last rod packing replacement, whichever is latest. [40 CFR 60.5410a(c)(1)]

2. The permittee shall continuously monitor the number of hours of operation for each reciprocating compressor affected facility or track the number of months since initial startup, since August 2, 2016, or since the date of the most recent reciprocating compressor rod packing replacement, whichever is latest. [40 CFR 60.5415a(c)(1)]

(b) If complying with (a)(3) of this condition:

1. The permittee shall operate the rod packing emissions collection system under negative pressure and route emissions to a process through a closed vent system that meets the requirements of 40 CFR 60.5411a(a) and (d). [40 CFR 60.5410(c)(2)]

2. The permittee shall operate the rod packing emissions collection system under negative pressure and continuously comply with the cover and closed vent requirements in 40 CFR 60.5416a(a) and (b). [40 CFR 60.5415a(c)(4)]

The permittee shall comply with the applicable general monitoring provisions in 40 CFR 60.1-19 (40 CFR 60 Subpart A) as identified in Table 3 of 40 CFR 60 Subpart OOOOa. [40 CFR 60.5425a]

II.B.6.a.2 **Recordkeeping:**

The permittee shall perform required recordkeeping in 40 CFR 60.5420a(c)(3), (6) through (9), and (17), as applicable. [40 CFR 60.5385a(d), 40 CFR 60.5410a(c)(4)]

The permittee shall comply with the applicable general recordkeeping provisions in 40 CFR 60.1-19 (40 CFR 60 Subpart A) as identified in Table 3 of 40 CFR 60 Subpart OOOOa. [40 CFR 60.5425a]

Records shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.6.a.3 **Reporting:**

The permittee shall submit the initial and subsequent annual reports for the reciprocating compressor as required in 40 CFR 60.5420a(b)(1) and (4). [40 CFR 60.5385a(d), 40 CFR 60.5410a(c)(3), 40 CFR 60.5415(c)(2)]

The permittee shall comply with the applicable general reporting provisions in 40 CFR 60.1-19 (40 CFR 60 Subpart A) as identified in Table 3 of 40 CFR 60 Subpart OOOOa. [40 CFR 60.5425a]

There are no additional reporting requirements except as outlined in Section I of this permit.

II.B.7 **Conditions on GPP COM-1 and GPP COM-2**

II.B.7.a **Condition:**

The permittee shall operate each combustor with a continuous pilot flame and equipped with an auto-igniter. [Origin: DAQE-AN102190015-21]. [R307-503-4, R307-401-8]

II.B.7.a.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.7.a.2 **Recordkeeping:**

Records shall be kept that demonstrate each combustor operates with a continuous pilot flame. The permittee shall maintain records demonstrating the date of installation and manufacturer specifications for each auto-igniter.

Records shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.7.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.7.b **Condition:**

The permittee shall operate each combustor with no visible emissions. [Origin: DAQE-AN102190015-21]. [R307-401-8]

II.B.7.b.1 **Monitoring:**

Visible emission observations shall be conducted on each combustor once each month, while the combustor is operating. The observation period shall be 15 minutes and shall be conducted using 40 CFR 60, Appendix A, Method 22. The observer shall be trained and knowledgeable with respect to the general procedures for determining the presence of visible emissions as specified in Method 22, Section 2.3.

II.B.7.b.2 **Recordkeeping:**

The permittee shall keep the following records: The date, time, and results of visible emission observations. Records and all data required by 40 CFR 60, Appendix A, Method 22 shall be

maintained in accordance with Provision I.S.1 of this permit.

II.B.7.b.3 **Reporting:**

There are no additional reporting requirements for this provision except those specified in Section I of this permit.

II.B.8 **Conditions on GPP Dehy-1 Dehydration Unit**

II.B.8.a **Condition:**

At all times after startup of production, the permittee shall route all emissions from the dehydration unit (GPP Dehy-01), to the operating combustor. [Origin: DAQE-AN102190015-21]. [R307-401-8]

II.B.8.a.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.8.a.2 **Recordkeeping:**

Any instance in which the emissions from the dehydration unit were not routed to the operating combustor shall be recorded.

Records of combustor usage shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.8.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.9 **Conditions on GPP TK-870 and GPP TK-874**

II.B.9.a **Condition:**

At all times after startup of production, the permittee shall route all gases, vapors, and fumes from the condensate storage tanks at the gas plant to the operating combustor. [Origin: DAQE-AN102190015-21]. [R307-401-8]

II.B.9.a.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.9.a.2 **Recordkeeping:**

Any instance in which the gases, vapors, and fumes from the condensate storage tanks were not routed to the operating combustor shall be recorded.

Records shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.9.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.10 **Conditions on FUG Fugitive Emissions**

II.B.10.a **Condition:**

The permittee shall comply with the requirements in paragraphs (a) through (c) of this condition for all equipment, except compressors, within a process unit located at an onshore natural gas processing plant.

(a) The permittee shall comply with the requirements of 40 CFR 60.482-1a(a), (b), (d), and (e), 40 CFR 60.482-2a, and 60.482-4a through 60.482-11a, except as provided in 40 CFR 60.5401a, as soon as practicable but no later than 180 days after the initial startup of the process unit.

(b) The permittee may elect to comply with the requirements of 40 CFR 60.483-1a and 60.483-2a, as an alternative.

(c) The permittee may apply to the Administrator for permission to use an alternative means of emission limitation that achieves a reduction in emissions of VOC at least equivalent to that achieved by the controls required in this subpart according to the requirements of 40 CFR 60.5402a.

[Origin: DAQE-AN102190015-21, 40 CFR 60Subpart OOOOa, 40 CFR 60 Subpart VVa]. [40 CFR 60.5400a(a)-(c)]

II.B.10.a.1 **Monitoring:**

The permittee shall comply with the provisions of 40 CFR 60.485a except as provided in 40 CFR 60.5400a(f).

II.B.10.a.2 **Recordkeeping:**

The permittee shall comply with the recordkeeping requirements of 40 CFR 60.486a, except as provided in 40 CFR 60.5401a, and 40 CFR 60.5421a.

Records shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.10.a.3 **Reporting:**

The permittee shall comply with the reporting requirements of 40 CFR 60.487a, except as provided in 40 CFR 60.5401a, and 40 CFR 60.5422a.

There are no additional reporting requirements for this provision except those specified in Section I of this permit.

II.B.11 **Conditions on GPP TL Truck Loading**

II.B.11.a **Condition:**

The permittee shall load the tanker trucks on site by the use of submerged loading. [Origin: DAQE-AN102190015-21]. [R307-401-8]

II.B.11.a.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.11.a.2 **Recordkeeping:**

Any instance in which submerged loading was not used during loading operations shall be recorded.

Records shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.11.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.11.b **Condition:**

The permittee shall connect a vapor capture line to the operating combustor for use during on-site condensate truck loading operations at the Gas Processing Plant. The vapor capture line shall be used at all times during loading operations. [Origin: DAQE-AN102190015-21]. [R307-401-8]

II.B.11.b.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.11.b.2 **Recordkeeping:**

Any instance in which the vapor capture line was not connected to the operating combustor and used during loading operations shall be recorded.

Records shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.11.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.12 **Conditions on FL-1001 Process/Emergency Flare**

II.B.12.a **Condition:**

The permittee shall operate the flare with a continuous pilot flame and equipped with an auto-igniter. [Origin: DAQE-AN102190015-21]. [R307-503-4, R307-401-8]

II.B.12.a.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.12.a.2 **Recordkeeping:**

Records shall be kept that demonstrate the flare operates with a continuous pilot flame. The permittee shall maintain records demonstrating the date of installation and manufacturer specifications for the auto-igniter.

Records shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.12.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.12.b **Condition:**

The permittee shall operate the flare with no visible emissions. [Origin: DAQE-AN102190015-21]. [R307-401-8]

II.B.12.b.1 **Monitoring:**

During any period that the flare is operated for longer than 24-hours consecutively, a visible emission observation shall be conducted, while the unit is operating, in accordance with 40 CFR 60, Appendix A, Method 22. The observer shall be trained and knowledgeable with respect to the general procedures for determining the presence of visible emissions as specified in Method 22, Section 2.3.

II.B.12.b.2 **Recordkeeping:**

The permittee shall keep the following records if the flare is operated for more than 24 hours consecutively: Date, time, and results of visible emission observations. Records and all data required by 40 CFR 60, Appendix A, Method 22 shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.12.b.3 **Reporting:**

Any deviations from this condition shall be submitted with semiannual reports. There are no additional reporting requirements for this provision except those specified in Section I of this permit.

II.B.13 **Conditions on CS T-211 thru T-214 Storage Tanks**

II.B.13.a **Condition:**

The permittee shall not produce more than 101,191 barrels (1 barrel = 42 gallons) of condensate per rolling 12-month period from the Bluebell Compressor Station. [Origin: DAQE-AN102190015-21]. [R307-401-8]

II.B.13.a.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.13.a.2 **Recordkeeping:**

The permittee shall keep the following records:

A. Determine condensate production with process flow meters and/or sales records.

B. Record condensate production on a daily basis.

C. Calculate a new 12-month total by the 20th day of each month using data from the previous 12 months.

D. Keep the production records for all periods the plant is in operation.

Records shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.13.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.C **Emissions Trading**
(R307-415-6a(10))

Not applicable to this source.

II.D **Alternative Operating Scenarios**.
(R307-415-6a(9))

Not applicable to this source.

SECTION III: PERMIT SHIELD

The following requirements have been determined to be not applicable to this source in accordance with Provision I.M, Permit Shield:

SECTION IV: ACID RAIN PROVISIONS

IV.A **This source is not subject to Title IV. This section is not applicable.**

REVIEWER COMMENTS

This operating permit incorporates all applicable requirements contained in the following documents:

Incorporates DAQE-AN102190015-21 dated June 7, 2021

---

1. Comment on an item originating in DAQE-AN102190015-21 regarding Permitted Source Applicability of 10% opacity limit for tanks: The applicability of II.B.1.a.A in DAQE-AN102190015-21 has been investigated with regard to tanks. Since the tanks at the Bluebell facility are for storage purposes only they produce no emissions. Therefore, the 10% opacity limit in II.B.1.a.A of DAQE-AN102190015-21 has been removed from tanks at the Bluebell facility. [Last Updated January 28, 2022]

2. Comment on an item originating in DAQE-AN102190015-21 regarding Permitted Source Condensate production limit: The condensate production limit in DAQE-AN102190015-21 is listed under II.B.3.a Storage Tank (Storage Vessel) Requirements. However, since the condensate production limit is specific to the Compressor Station, the condition has been placed on Tanks CS T-211 thru T-214 in Condition II.B.14.a of this permit. [Last Updated January 28, 2022]

3. Comment on an item originating in this DAQE-AN102190015-21 regarding GPP TK-870 and GPP TK-874
   Duplicate requirements in DAQE-AN102190015-21 for GPP TK-870 and GPP TK-874: Requirement II.5.b in DAQE-AN102190015-21 requiring a vapor capture line to be used at all times during loading operations is a duplicate of requirement II.B.1.c in DAQE-AN102190015-21with regard to tanks GPP TK-870 and GPP TK-874. Therefore, this requirement is only listed once and can be found Condition II.B.9.a of this Title V permit. [Last Updated January 28, 2022]

4. Comment on an item originating in R307-502 Oil and Gas Industry: Pneumatic Controllers regarding Permitted Source
   Applicability of R307-502 Oil and Gas Industry: Pneumatic Controllers: According to R307-502, an "existing pneumatic controller" means a pneumatic controller affected facility as described in 40 CFR 60.5365(d)(1) through (3), which pertains to natural gas-driven pneumatic controllers. The permittee does not operate any natural gas-driven pneumatic controllers at the Bluebell site. All pneumatic controllers are operated by instrument air. Therefore, R307-502 does not apply to the Bluebell facility. [Last updated February 1, 2022]

5. Comment on an item originating in 40 CFR 64 regarding CS RICE-3
   Applicability of 40 CFR 64 Compliance Assurance Monitoring to CS RICE-3 Engine: The CS RICE-3 Engine is subject to an emission limit or standard for NO_x and uses a control device to achieve compliance with the applicable emission limit or standard. It also has potential emissions of NO_x, prior to the control device, greater than the major source threshold. However, when the control device is taken into account, the potential emissions are less than the major source threshold. Therefore, the permittee is required to submit the information required under 40 CFR 64.4 as part of the application for renewal of the Title V permit. [Last updated February 3, 2022]

6. Comment on an item originating in 40 CFR 60 Subpart JJJJ regarding CS RICE-1 and CS RICE-2
   Applicability of 40 CFR 60 Subpart JJJJ for CS RICE-1 and CS RICE-2: According to 40 CFR 63 Subpart ZZZZ, engines CS RICE-1 and CS RICE-2 shall meet the requirements of the subpart by meeting the requirements of 40 CFR 60 Subpart JJJJ. The installation of CS RICE-1 and CS RICE-2 Engines commenced with ordering of the engines in October of 2009. CS RICE-1 was manufactured on 3/28/2007 and CS RICE-2 was manufactured on 3/29/2007. Therefore, each engine was manufactured before the applicability date of January 1, 2008 found in 40 CFR 60.4230(a)(4)(ii) for engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP. According to 40 CFR 60.4230(a)(6), the engines are subject to 40 CFR 60.4236. However, the date of construction for each engine was before the applicability date of January 1, 2010 found in 40 CFR 60.4236(b) for engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP. Therefore, there are no applicable requirements in 40 CFR 60 Subpart JJJJ for CS RICE-1 and CS RICE-2 Engines. [Last updated February 8, 2022]

7. Comment on an item originating in 40 CFR 63 Subpart ZZZZ regarding Compressor Engines Group 2
   Applicability of 40 CFR 63 Subpart ZZZZ for CS RICE-3, GPP C-250 and GPP C-251: As per compliance document DAQC-549-21, engines CS RICE-3, GPP C-250 and GPP C-251 meet the definition of remote stationary engines in 40 CFR 63 Subpart ZZZZ. [Last updated February 17, 2022]

8. Comment on an item originating in 40 CFR 60 Subpart OOOOa regarding GPP TK-870 and GPP TK-874
   Applicability of 40 CFR 60 OOOOa to Tanks GPP TK-870 and GPP TK-874: Gases, vapors, and fumes from tanks GPP TK-870 Tank GPP TK-874 are controlled by a combustor which has a federally enforceable limit on opacity. The combustor is used to maintain VOC emissions from the tanks under the 6-ton threshold used to determine affected facility status of storage vessels in 40 CFR 60 Subpart OOOOa. [Last updated February 3, 2022]

9. Comment on an item originating in Operating Permit History regarding Permitted Source
   Previous Title V Permit Rescinded: As per DAQO-1300033002-10 dated May 25, 2010, the previous Title V permit for this source was rescinded effective April 7, 2010. Therefore, the Operating Permit History reflects only the information pertinent to this current Title V permit. [Last updated February 14, 2022]

10. Comment on an item originating in DAQE-AN102190015-21 regarding GPP C-163
    Installation of Engine GPP C-163: Engine GPP C-163 was permitted in Approval Order DAQE-AN102190013-20 dated March 26, 2020. However, according to the source, as of the issuance of this permit, engine GPP-163 has not yet been installed. [Last updated February 14, 2022]

11. Comment on an item originating in DAQE-AN102190015-21 regarding Permitted Source
    Applicability of 20% Opacity Limit: Condition II.B.1.a.B in Approval Order DAQE-AN102190015-21 requires a limit of 20% opacity for "All other points." According to the Source, there are no emission units at the facility that this limit applies to. The natural gas operated equipment including all engines and heaters have an opacity limit of 10%. Emission units FL-1001, GPP COM-1, and COM-2 must be operated with no visible emissions. The emissions from GPP Dehy-1, GPP TK-870, TK-874, TK-837 and GPP TL are vented to the combustors. Also, the 10% opacity limit has been removed from the storage tanks as per Reviewer Comment 1. Therefore, the 20% opacity limit has not been included in this Title V permit. [Last updated March 10, 2022]

12. Comment on an item originating in in DAQE-AN102190015-21 regarding Permitted Source Removal of natural gas heater CS H-1: Emission unit CS H-1 is listed in DAQE-AN102190015-21. However, according to the Source this emission unit has been removed from the facility. Therefore, CS H-1 is not included in this Title V permit. [Last updated March 10, 2022]

13. Comment on an item originating in in 40 CFR 60 Subpart OOOOa regarding GPP C-161, GPP C-162, and GPP C-163

    Applicability of 40 CFR 60 Subpart OOOOa to GPP C-161, GPP C-162, and GPP C-163: Engines GPP C-161, GPP C-162, and GPP C-163 are compressors and were installed at the facility after the September 18, 2015 deadline for determination of an affected facility. However, GPP C-161, GPP C-162, and GPP C-163 compress propane and not natural gas. According to correspondence and documentation between the Source and EPA, reciprocating compressors operating to compress gas other than natural gas are not subject to 40 CFR 60 Subpart OOOO, and subsequently not subject to 40 CFR 60 Subpart OOOOa. According to the documentation provided by the Source, GPP C-161, GPP C-162, and GPP C-163 are not Subject to 40 CFR 60 Subpart OOOOa, and therefore not included in Compressor Engines Group 3. [Last updated March 10, 2022]

14. Comment on an item originating in in 40 CFR 60 Subpart KKK regarding CS RICE-1, CS RICE-2, GPP C-250, and GPP C-251

    Applicability of 40 CFR 60 Subpart KKK to compressors CS RICE-1, CS RICE-2, GPP C-250, and GPP C-251: Compressors CS RICE-1, CS RICE-2, GPP C-250, and GPP C-251 were each constructed after January 20, 1984, and on or before August 23, 2011, and meet the definition of an affected facility according to 40 CFR 60.630(a) and (b). According to the permittee, compressors CS RICE-1, CS RICE-2, GPP C-250, and GPP C-251 are all in wet gas service. Therefore, according to 40 CFR 60.633(f), the compressors are exempt from the compressor control requirements of 40 CFR 60.482-3. However, the permittee is required to keep information and data used to demonstrate that compressors CS RICE-1, CS RICE-2, GPP C-250, and GPP C-251 are in wet gas service as specified in 40 CFR 60.635(c). [Last updated March 30, 2022]