



**PERMIT**  
**Under the Environmental Conservation Law (ECL)**

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 9-0628-00116/00011  
Mod 0 Effective Date: 04/27/2004 Expiration Date: No expiration date.  
Mod 1 Effective Date: 11/06/2012 Expiration Date: No expiration date.

Permit Issued To: EMKEY GATHERING LLC  
2501 PALERMO DR  
SUITE B  
ERIE, PA 16506

Contact: KYLE RHOADES  
EMKEY GATHERING LLC  
2501 PALERMO DR SUITE B  
ERIE, PA 16506  
(716) 450-3190

Facility: MAYVILLE COMPRESSOR STATION  
5644 BENTLEY RD  
MAYVILLE, NY 14757

Contact: KYLE RHOADES  
EMKEY GATHERING LLC  
2501 PALERMO DR SUITE B  
ERIE, PA 16506  
(716) 450-3190

Description:  
This permit modification includes:

- (1) Removal of the original five (5) compressor packages consisting of three Ajax DPC-360 reciprocating compressors and two Ajax DPC-540 reciprocating compressors;
- (2) Installation of one (1) 380 horsepower (HP) Ajax DPC-2802LE, one (1) 115 HP Ajax DPC-115LE, and one (1) 600 HP Ajax DPC-600 LE natural gas fired reciprocating internal combustion engines (RICE);
- (3) Removal of the nitrogen oxides (NOx) permit emission limit because the replacement engines potential NOx emissions are less than 100 tons per year;
- (4) Addition of 40 CFR 63 Subpart HH area source requirements for Oil and Natural Gas Production Facilities where the facility actual average emissions of benzene from



the glycol dehydration unit process vent to the atmosphere are less than 0.90 megagram per year; and

(5) Addition of 40 CFR 63 Subpart ZZZZ RICE MACT for three (3) existing spark-ignition two-stroke lean burn (2SLB) engines including the following requirements to be completed by October 19, 2013:

(a) Change oil and filter every 1,440 hours of operation or annually, whichever comes first;

(b) Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first;

(c) Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary;

(d) Operate and maintain each engine according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must 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; and

(e) Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: DOUGLAS E BORSCHEL  
270 MICHIGAN AVE  
BUFFALO, NY 14203-2915

Authorized Signature: \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_\_



**Notification of Other State Permittee Obligations**

**Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

**Item B: Permittee's Contractors to Comply with Permit**

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

**Item C: Permittee Responsible for Obtaining Other Required Permits**

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

**Item D: No Right to Trespass or Interfere with Riparian Rights**

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

- Facility Inspection by the Department
- Relationship of this Permit to Other Department Orders and Determinations
  - Applications for permit renewals, modifications and transfers
  - Applications for Permit Renewals and Modifications
  - Permit modifications, suspensions or revocations by the Department
  - Permit Modifications, Suspensions and Revocations by the Department

**Facility Level**

- Submission of Applications for Permit Modification or Renewal
  - REGION 9 HEADQUARTERS
- Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS



**DEC GENERAL CONDITIONS**  
**\*\*\*\* General Provisions \*\*\*\***  
**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

**Condition 1: Facility Inspection by the Department**

**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

**Item 1.2:**

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

**Item 1.3:**

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**

**Applicable State Requirement: ECL 3-0301 (2) (m)**

**Item 2.1:**

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

**Condition 1-1: Applications for permit renewals, modifications and transfers**

**Applicable State Requirement: 6 NYCRR 621.11**

**Item 1-1.1:**

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

**Item 1-1.2:**

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

**Item 1-1.3:**

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.



**Condition 3: Applications for Permit Renewals and Modifications**  
**Applicable State Requirement: 6 NYCRR 621.13**

**Item 3.1:**

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

**Item 3.2:**

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

**Item 3.3:**

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

**Condition 1-2: Permit modifications, suspensions or revocations by the Department**

**Applicable State Requirement: 6 NYCRR 621.13**

**Item 1-2.1:**

The Department reserves the right to exercise all available authority to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

**Condition 4: Permit Modifications, Suspensions and Revocations by the Department**  
**Applicable State Requirement: 6 NYCRR 621.14**

**Item 4.1:**

The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;



e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

**\*\*\*\* Facility Level \*\*\*\***

**Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 9 HEADQUARTERS**

**Applicable State Requirement: 6 NYCRR 621.5 (a)**

**Item 5.1:**

Submission of applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator  
Region 9 Headquarters  
Division of Environmental Permits  
270 Michigan Avenue  
Buffalo, NY 14203-2999  
(716) 851-7165

**Condition 1-3: Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS**

**Applicable State Requirement: 6 NYCRR 621.6 (a)**

**Item 1-3.1:**

Submission of applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator  
Region 9 Headquarters  
Division of Environmental Permits  
270 Michigan Avenue  
Buffalo, NY 14203-2915  
(716) 851-7165

**New York State Department of Environmental Conservation**

Permit ID: 9-0628-00116/00011

Facility DEC ID: 9062800116



**Permit Under the Environmental Conservation Law (ECL)**

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY  
PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: EMKEY GATHERING LLC  
2501 PALERMO DR  
SUITE B  
ERIE, PA 16506

Facility: MAYVILLE COMPRESSOR STATION  
5644 BENTLEY RD  
MAYVILLE, NY 14757

Authorized Activity By Standard Industrial Classification Code:  
1311 - CRUDE PETROLEUM & NATURAL GAS

Mod 0 Permit Effective Date: 04/27/2004  
date.

Permit Expiration Date: No expiration

Mod 1 Permit Effective Date: 11/06/2012  
date.

Permit Expiration Date: No expiration



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1-1 6 NYCRR 201-6.5 (g): Non Applicable requirements
- 1-2 6 NYCRR 211.1: Air pollution prohibited
- 1-3 40CFR 63, Subpart HH: Compliance Demonstration
- 1-4 40CFR 63.764, Subpart HH: Compliance Demonstration
- 1-5 40CFR 63.772, Subpart HH: Compliance Demonstration
- 1-6 40CFR 63.774, Subpart HH: Compliance Demonstration
- 1-7 40CFR 63.775, Subpart HH: Compliance Demonstration

#### Emission Unit Level

##### EU=1-MCS01,Proc=C01

- 1-8 6 NYCRR 227-1.3 (a): Compliance Demonstration
- 1-9 40CFR 63.6603(a), Subpart ZZZZ: Compliance Demonstration
- 1-10 40CFR 63.6605(a), Subpart ZZZZ: Compliance required at all times
- 1-11 40CFR 63.6605(b), Subpart ZZZZ: Operate and maintain air pollution control and monitoring equipment consistent with good engineering practices
- 1-12 40CFR 63.6625, Subpart ZZZZ: Compliance Demonstration
- 1-13 40CFR 63.6640, Subpart ZZZZ: Compliance Demonstration
- 1-14 40CFR 63.6655(a), Subpart ZZZZ: Compliance Demonstration
- 1-15 40CFR 63.6655(e), Subpart ZZZZ: Compliance Demonstration
- 1-16 40CFR 63.6660, Subpart ZZZZ: Compliance Demonstration

### STATE ONLY ENFORCEABLE CONDITIONS

#### Facility Level

- 4 ECL 19-0301: Contaminant List
- 5 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 1-17 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 6 6 NYCRR Subpart 201-5: Emission Unit Definition
- 7 6 NYCRR 211.2: Air pollution prohibited
- 1-18 6 NYCRR 211.2: Visible Emissions Limited

#### Emission Unit Level

- 8 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 9 6 NYCRR Subpart 201-5: Process Definition By Emission Unit



**FEDERALLY ENFORCEABLE CONDITIONS**  
**\*\*\*\* Facility Level \*\*\*\***

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability**

**Item A: Sealing - 6 NYCRR 200.5**

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

**Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6**

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

**Item C: Maintenance of Equipment - 6 NYCRR 200.7**

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications,



required to operate such device effectively.

**Item D: Unpermitted Emission Sources - 6 NYCRR 201-1.2**

If an existing emission source was subject to the permitting requirements of 6 NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

**Item E: Emergency Defense - 6 NYCRR 201-1.5**

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

- (1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
- (3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.



(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

**Item F: Recycling and Salvage - 6 NYCRR 201-1.7**

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

**Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6 NYCRR 201-1.8**

No person shall unnecessarily remove, handle, or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

**Item H: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR 201-3.2 (a)**

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

**Item I: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR 201-3.3 (a)**

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

**Item J: Required Emission Tests - 6 NYCRR 202-1.1**



An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6 NYCRR Subpart 202-1.

**Item K: Open Fires Prohibitions - 6 NYCRR 215.2**

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

**Item L: Permit Exclusion - ECL 19-0305**

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

**Item M: Federally Enforceable Requirements - 40 CFR 70.6 (b)**

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

**FEDERAL APPLICABLE REQUIREMENTS**  
**The following conditions are federally enforceable.**

**Condition 1-1: Non Applicable requirements**



**Effective between the dates of 11/06/2012 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR 201-6.5 (g)**

**Item 1-1.1:**

This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

(From Mod 1) 40 CFR Part 60, Subpart JJJJ

Reason: The compressor engines commenced construction before June 12, 2006 and are not subject to 40 CFR 60 Subpart JJJJ - Standards of Performance for Spark Ignition Internal Combustion Engines.

**Condition 1-2: Air pollution prohibited**

**Effective between the dates of 11/06/2012 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 1-2.1:**

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

**Condition 1-3: Compliance Demonstration**

**Effective between the dates of 11/06/2012 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63, Subpart HH**

**Item 1-3.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-3.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For area sources, the affected source includes each triethylene glycol (TEG) dehydration unit located at a facility that meets the criteria specified below:

Facilities that process, upgrade, or store natural gas



prior to the point at which natural gas enters the natural gas transmission and storage source category or is delivered to a final end user. For the purposes of this subpart, natural gas enters the natural gas transmission and storage source category after the natural gas processing plant, when present. If no natural gas processing plant is present, natural gas enters the natural gas transmission and storage source category after the point of custody transfer.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-4: Compliance Demonstration**  
**Effective between the dates of 11/06/2012 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.764, Subpart HH**

**Item 1-4.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000071-43-2 BENZENE

**Item 1-4.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

§ 63.764 General standards.

§ 63.764 (e) Exemptions.

(1) Mayville Compressor is exempt from the requirements of paragraph (d) of this section if the criteria listed in paragraph (e)(1)(i) or (ii) below are met, except that the records of the determination of these criteria must be maintained as required in § 63.774(d)(1) - Condition 1-6.

(i) The actual annual average flowrate of natural gas to the glycol dehydration unit is less than 85 thousand standard cubic meters per day, as determined by the procedures specified in § 63.772(b)(1) -Condition 1-5; or

(ii) The actual average emissions of benzene from the glycol dehydration unit process vent to the atmosphere are less than 0.90 megagram per year, as determined by the procedures specified in § 63.772(b)(2) - Condition



1-5.

Parameter Monitored: BENZENE

Upper Permit Limit: 0.9 Megagrams (10\*\*6 grams) per year

Reference Test Method: 40 CFR 63.772

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-5: Compliance Demonstration**  
**Effective between the dates of 11/06/2012 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.772, Subpart HH**

**Item 1-5.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000071-43-2 BENZENE

**Item 1-5.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§ 63.772 Test methods, compliance procedures, and compliance demonstrations.

§ 63.772 (b) Determination of glycol dehydration unit flowrate, benzene emissions, or BTEX emissions. The procedures of this paragraph shall be used by an owner or operator to determine glycol dehydration unit natural gas flowrate, benzene emissions, or BTEX emissions.

(1) The determination of actual flowrate of natural gas to a glycol dehydration unit shall be made using the procedures of either paragraph (b)(1)(i) or (b)(1)(ii) below.

(i) The owner or operator shall install and operate a monitoring instrument that directly measures natural gas flowrate to the glycol dehydration unit with an accuracy of plus or minus 2 percent or better. The owner or operator shall convert annual natural gas flowrate to a daily average by dividing the annual flowrate by the number of days per year the glycol dehydration unit processed natural gas.

(ii) The owner or operator shall document, to the



Administrator's satisfaction, the actual annual average natural gas flowrate to the glycol dehydration unit.

(2) The determination of actual average benzene or BTEX emissions from a glycol dehydration unit shall be made using the procedures of either paragraph (b)(2)(i) or (ii) below. Emissions shall be determined either uncontrolled, or with federally enforceable controls in place.

(i) The owner or operator shall determine actual average benzene or BTEX emissions using the model GRI-GLYCalc™, Version 3.0 or higher, and the procedures presented in the associated GRI-GLYCalc™ Technical Reference Manual. Inputs to the model shall be representative of actual operating conditions of the glycol dehydration unit and may be determined using the procedures documented in the Gas Research Institute (GRI) report entitled "Atmospheric Rich/Lean Method for Determining Glycol Dehydrator Emissions" (GRI-95/0368.1); or

(ii) The owner or operator shall determine an average mass rate of benzene or BTEX emissions in kilograms per hour through direct measurement using the methods in § 63.772(a)(1)(i) or (ii), or an alternative method according to § 63.7(f). Annual emissions in kilograms per year shall be determined by multiplying the mass rate by the number of hours the unit is operated per year. This result shall be converted to megagrams per year.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-6: Compliance Demonstration**  
**Effective between the dates of 11/06/2012 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.774, Subpart HH**

**Item 1-6.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):  
CAS No: 000071-43-2 BENZENE

**Item 1-6.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§ 63.774 Recordkeeping requirements.



§ 63.774 (d)(1) An owner or operator of a glycol dehydration unit that meets the exemption criteria in § 63.764(e)(1)(i) or § 63.764(e)(1)(ii) shall maintain the records specified in paragraph (d)(1)(i) or paragraph (d)(1)(ii) below, as appropriate, for that glycol dehydration unit.

(i) The actual annual average natural gas throughput (in terms of natural gas flowrate to the glycol dehydration unit per day) as determined in accordance with § 63.772(b)(1) - Condition 1-5, or

(ii) The actual average benzene emissions (in terms of benzene emissions per year) as determined in accordance with § 63.772(b)(2) - Condition 1-5.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-7: Compliance Demonstration**  
**Effective between the dates of 11/06/2012 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.775, Subpart HH**

**Item 1-7.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000071-43-2 BENZENE

**Item 1-7.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§ 63.775 Reporting requirements.

§ 63.775(c)(8) An owner or operator of a TEG dehydration unit located at an area source that meets the criteria in § 63.764(e)(1)(i) or § 63.764(e)(1)(ii) is exempt from the reporting requirements for area sources in paragraphs (c)(1) through (7) of this section, for that unit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

\*\*\*\* Emission Unit Level \*\*\*\*

**New York State Department of Environmental Conservation**

Permit ID: 9-0628-00116/00011

Facility DEC ID: 9062800116



**Condition 1-8: Compliance Demonstration**  
**Effective between the dates of 11/06/2012 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR 227-1.3 (a)**

**Item 1-8.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MCS01

Process: C01

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

**Item 1-8.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one-six-minute period per hour of not more than 27 percent opacity. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-9: Compliance Demonstration**  
**Effective between the dates of 11/06/2012 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.6603(a), Subpart ZZZZ**

**Item 1-9.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MCS01

Process: C01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-9.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No later than October 19, 2013, Mayville Compressor must operate each existing non-emergency, non-black start 2



stroke lean burn stationary RICE located at an area source of HAP emissions with the following maintenance procedures:

- (1) Change oil and filter every 1,440 hours of operation or annually, whichever comes first;
- (2) Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first; and
- (3) Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-10: Compliance required at all times**  
**Effective between the dates of 11/06/2012 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.6605(a), Subpart ZZZZ**

**Item 1-10.1:**

This Condition applies to Emission Unit: 1-MCS01  
Process: C01

**Item 1-10.2:**

Facility must be in compliance with the emission limitations and operating limitations in 40 CFR 63 Subpart ZZZZ that apply to them at all times.

**Condition 1-11: Operate and maintain air pollution control and monitoring equipment consistent with good engineering practices**  
**Effective between the dates of 11/06/2012 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.6605(b), Subpart ZZZZ**

**Item 1-11.1:**

This Condition applies to Emission Unit: 1-MCS01  
Process: C01

**Item 1-11.2:**

Facility must operate and maintain its stationary RICE, including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions at all times, including during startup, shutdown, and malfunction.

**Condition 1-12: Compliance Demonstration**  
**Effective between the dates of 11/06/2012 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.6625, Subpart ZZZZ**

**Item 1-12.1:**

The Compliance Demonstration activity will be performed for:



Emission Unit: 1-MCS01  
Process: C01

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-12.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) No later than October 19, 2013, Mayville Compressor must complete the following:

(a) operate and maintain each existing non-emergency, non-black start 2 stroke lean burn stationary RICE located at an area source of HAP emissions and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must 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;

(b) minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes; and

(2) Mayville Compressor has the option of utilizing an oil analysis program in order to extend the specified oil change requirement. The oil analysis must be performed at the same frequency specified for changing the oil. The analysis program must, at a minimum, analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows:

(a) Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new;

(b) Viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or

(c) Percent water content (by volume) is greater than 0.5.

(3) If all of the condemning limits are not exceeded, Mayville Compressor is not required to change the oil. If any of the limits are exceeded, Mayville Compressor must change the oil within 2 days of receiving the results of the analysis. If the engine is not in operation when the



results of the analysis are received, Mayville Compressor must change the oil within 2 days or before commencing operation, whichever is later. Mayville Compressor must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-13: Compliance Demonstration**  
**Effective between the dates of 11/06/2012 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.6640, Subpart ZZZZ**

**Item 1-13.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MCS01  
Process: C01

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-13.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To demonstrate continuous compliance with work or management practices Mayville Compressor must:

(1) develop and follow a site specific maintenance plan which must 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; and

(2) keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-14: Compliance Demonstration**  
**Effective between the dates of 11/06/2012 and Permit Expiration Date**



**Applicable Federal Requirement:40CFR 63.6655(a), Subpart ZZZZ**

**Item 1-14.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MCS01  
Process: C01

**Item 1-14.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must keep the records described in paragraphs (1) through (5).

(1) A copy of each notification and report that the owner or operator submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that he/she submitted, according to the requirement in 40 CFR 63.10(b)(2)(xiv).

(2) Records of the occurrence and duration of each malfunction of operation ( i.e., process equipment) or the air pollution control and monitoring equipment.

(3) Records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).

(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.

(5) 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.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-15: Compliance Demonstration**  
**Effective between the dates of 11/06/2012 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.6655(e), Subpart ZZZZ**

**Item 1-15.1:**

The Compliance Demonstration activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 9-0628-00116/00011

Facility DEC ID: 9062800116



Emission Unit: 1-MCS01  
Process: C01

**Item 1-15.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that he/she operated and maintained the stationary RICE and after-treatment control device (if any) according to the maintenance plan for the following stationary RICE;

- (1) An existing stationary RICE with a site rating of less than 100 brake horsepower located at a major source of HAP emissions.
- (2) An existing stationary emergency RICE.
- (3) An existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to subpart ZZZZ.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-16: Compliance Demonstration**

**Effective between the dates of 11/06/2012 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.6660, Subpart ZZZZ**

**Item 1-16.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MCS01  
Process: C01

**Item 1-16.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Records must be in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1).

As specified in 40 CFR 63.10(b)(1), the owner or operator must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.



The owner or operator must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1).

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



**STATE ONLY ENFORCEABLE CONDITIONS**  
**\*\*\*\* Facility Level \*\*\*\***

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability**

**Item A: Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)**

Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1), and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

**Item B: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**STATE ONLY APPLICABLE REQUIREMENTS**

**The following conditions are state only enforceable.**



**Condition 4: Contaminant List**

**Effective between the dates of 04/27/2004 and Permit Expiration Date**

**Applicable State Requirement:ECL 19-0301**

**Item 4.1:**

Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000071-43-2

Name: BENZENE

CAS No: 0NY100-00-0

Name: HAP

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Condition 5: Unavoidable noncompliance and violations**

**Effective between the dates of 04/27/2004 and Permit Expiration Date**

**Applicable State Requirement:6 NYCRR 201-1.4**

**Item 5.1:**

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective



action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superseded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

**Condition 1-17: Unavoidable noncompliance and violations**  
**Effective between the dates of 11/06/2012 and Permit Expiration Date**

**Applicable State Requirement: 6 NYCRR 201-1.4**

**Item 1-17.1:**

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supersede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in

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writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

**Condition 6: Emission Unit Definition**  
**Effective between the dates of 04/27/2004 and Permit Expiration Date**

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 6.1(From Mod 1):**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 1-MCS01

Emission Unit Description:

Emission Unit 1-MCS01 includes three (3) natural gas compressors and a tri-ethylene glycol dehydration unit. The compressors consist of one 115 horsepower Ajax, one 380 horsepower Ajax and one 600 horsepower Ajax integral reciprocating compressors. The tri-ethylene glycol re-boiler has a 750,000 Btu/hr burner. Insignificant sources include 150,000 Btu furnace, 300,000 Btu boiler, 75,000 Btu shop heater and a 30,000 Btu hot water heater.

Building(s): BLDG 1  
BLDG 3  
BLDG 4

**Condition 7: Air pollution prohibited**  
**Effective between the dates of 04/27/2004 and Permit Expiration Date**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 7.1:**

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No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

**Condition 1-18: Visible Emissions Limited**  
**Effective between the dates of 11/06/2012 and Permit Expiration Date**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 1-18.1:**

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

**\*\*\*\* Emission Unit Level \*\*\*\***

**Condition 8: Emission Point Definition By Emission Unit**  
**Effective between the dates of 04/27/2004 and Permit Expiration Date**

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 8.1(From Mod 1):**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-MCS01

Emission Point: DEHY1

Height (ft.): 28 Diameter (in.): 10  
NYTMN (km.): 4687.117 NYTME (km.): 124.656

Emission Point: ENG01

Height (ft.): 22 Diameter (in.): 14  
NYTMN (km.): 4687.117 NYTME (km.): 124.656 Building: BLDG 1

Emission Point: ENG03

Height (ft.): 10 Diameter (in.): 12  
NYTMN (km.): 4687.117 NYTME (km.): 124.656 Building: BLDG 3

Emission Point: ENG04

Height (ft.): 25 Diameter (in.): 18  
NYTMN (km.): 4687.117 NYTME (km.): 124.656 Building: BLDG 4

**Condition 9: Process Definition By Emission Unit**  
**Effective between the dates of 04/27/2004 and Permit Expiration Date**

**Applicable State Requirement:6 NYCRR Subpart 201-5**



**Item 9.1(From Mod 1):**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-MCS01

Process: C01

Process Description:

The purpose of this compressor station is to compress natural gas from the Emkey Gathering system, at a pressure of approximately 100 to 200 psig to a discharge pressure of approximately 750 psig. After compression, the gas will be dried in a triethylene glycol dehydration system to a water vapor content of less than 7 pounds per million cubic feet of gas. After the gas is dried, it is measured in a meter run exiting the station in the Tennessee Gas or Emkey Transportation pipeline. Emissions result from the integral engine/compressor units, and the triethylene glycol dehydrator system. Insignificant sources are a 150,000 btu heater, a 300,000 btu/hr furnace, a 75,000 btu/hr shop heater, and a 30,000 btu hot water heater. These sources are located in the auxiliary building.

Emission Source/Control: 11001 - Combustion  
Design Capacity: 384 horsepower (mechanical)

Emission Source/Control: 11003 - Combustion  
Design Capacity: 110 horsepower (mechanical)

Emission Source/Control: 11004 - Combustion  
Design Capacity: 576 horsepower (mechanical)

Emission Source/Control: DEHY1 - Process  
Design Capacity: 750,000 British thermal units per hour

