



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 9-1440-00034/00021  
Effective Date: 07/31/2013 Expiration Date: 07/30/2018

Permit Issued To: TENNESSEE GAS PIPELINE COMPANY LLC  
1001 LOUISIANA ST  
PO BOX 2511  
HOUSTON, TX 77252-2511

Contact: MURALI RAMAMOORTHY  
TENNESSEE GAS PIPELINE COMPANY  
1001 LOUISIANA ST STE S1102A  
HOUSTON, TX 77002

Facility: TENNESSEE GAS PIPELINE CO COMPRESSOR STATION 229  
7586 E EDEN RD  
EDEN, NY 14057

Contact: MURALI RAMAMOORTHY  
TENNESSEE GAS PIPELINE COMPANY  
1001 LOUISIANA ST STE S1102A  
HOUSTON, TX 77002

Description:

The Tennessee Gas Pipeline Company - Station 229 is a natural gas transmission facility consisting of a natural gas triethylene glycol (TEG) dehydration unit and nine natural gas fired stationary reciprocating internal combustion compressor engines, six of which are 2-cycle lean burn engines rated at 1400 HP and three are 4-cycle rich burn engines rated at 438 HP. Exempt equipment include a gasoline dispensing station, two parts washers, two boilers, and 23 tanks.

The engines supply power to compress natural gas for pipeline transportation and for auxiliary electricity. The dehydrator uses a regenerative glycol system to remove water that accumulates in the natural gas during underground storage at the facility.

This permit includes a federally enforceable emission cap of 0.90 megagrams of benzene per year. The facility will monitor the station's existing natural gas dehydration system to ensure that the benzene emissions from the system do not exceed 0.90 megagrams per year in order to be considered a small glycol dehydration unit as defined at 40CFR 63.1271 Subpart HHH.



The TEG dehydration unit is subject to 6NYCRR Part 212. Air dispersion modeling must be performed to determine compliance with the control standards within Table 2 of §212.9.

The compressor engines are subject to the opacity limitations of 6 NYCRR Part 227-1.3(a). The 2-cycle lean burn engines are subject to an alternative NOx emission limit per 6 NYCRR Part 227-2.4(f)(1) of 6.0 grams per brake horsepower-hour (g/bhp-hr). The 4-cycle rich burn engines are subject to the NOx emission limit of 1.5 g/bhp-hr found in 6 NYCRR Part 227-2.4(f)(1). Source performance testing performed in 2007 and 2010 confirmed compliance with the limits. Testing is required once every five years.

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 BORSCHER  
   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
- Permit modifications, suspensions or revocations by the Department

**Facility Level**

- Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS



**DEC GENERAL CONDITIONS**

**\*\*\*\* General Provisions \*\*\*\***

**For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions.**

**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 3: Applications for permit renewals, modifications and transfers**

**Applicable State Requirement: 6 NYCRR 621.11**

**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 4: Permit modifications, suspensions or revocations by the Department**  
**Applicable State Requirement: 6 NYCRR 621.13**

**Item 4.1:**

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.

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

**Condition 5: Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS**  
**Applicable State Requirement: 6 NYCRR 621.6 (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 14203-2915  
(716) 851-7165

**New York State Department of Environmental Conservation**

Permit ID: 9-1440-00034/00021

Facility DEC ID: 9144000034



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

**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: TENNESSEE GAS PIPELINE COMPANY LLC  
1001 LOUISIANA ST  
PO BOX 2511  
HOUSTON, TX 77252-2511

Facility: TENNESSEE GAS PIPELINE CO COMPRESSOR STATION 229  
7586 E EDEN RD  
EDEN, NY 14057

Authorized Activity By Standard Industrial Classification Code:  
4922 - NATURAL GAS TRANSMISSION  
4923 - GAS TRANSMISSION AND DISTRIBUTION

Permit Effective Date: 07/31/2013

Permit Expiration Date: 07/30/2018



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
  - 2 6 NYCRR 201-6.4 (a) (7): Fees
  - 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
  - 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
  - 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
  - 6 6 NYCRR 201-6.4 (e): Compliance Certification
  - 7 6 NYCRR 202-2.1: Compliance Certification
  - 8 6 NYCRR 202-2.5: Recordkeeping requirements
  - 9 6 NYCRR 215.2: Open Fires - Prohibitions
  - 10 6 NYCRR 200.7: Maintenance of Equipment
  - 11 6 NYCRR 201-1.7: Recycling and Salvage
  - 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
  - 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
  - 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
  - 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
  - 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
  - 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
  - 18 6 NYCRR 202-1.1: Required Emissions Tests
  - 19 40 CFR Part 68: Accidental release provisions.
  - 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
  - 21 6 NYCRR Subpart 201-6: Emission Unit Definition
  - 22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
  - 23 6 NYCRR 211.1: Air pollution prohibited
  - 24 6 NYCRR 227-1.3 (a): Compliance Certification
  - 25 40CFR 63.1285, Subpart HHH: Reporting requirements
  - 26 40CFR 63, Subpart ZZZZ: Applicability
- #### Emission Unit Level
- 27 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
  - 28 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
  - 29 6 NYCRR Subpart 201-7: Emission Unit Permissible Emissions

#### EU=R-22901

- 30 6 NYCRR 227-2.4 (f) (1): Compliance Certification
- 31 6 NYCRR 227-2.4 (f) (1): Compliance Certification

#### EU=R-22902

- 32 6 NYCRR 227-2.4 (f) (1): Compliance Certification
- 33 6 NYCRR 227-2.4 (f) (1): Compliance Certification

#### EU=R-2290D

- \*34 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 35 6 NYCRR 212.9 (b): Compliance Certification
- 36 40CFR 63.1275(b)(1)(iii), Subpart HHH: Small Glycol Dehydration Unit





BTEX Limit

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

37 ECL 19-0301: Contaminant List

38 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities

NOTE: \* preceding the condition number indicates capping.



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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**  
**The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.**

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

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department 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 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 and maintained;

(3) During the period of the emergency the facility owner 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 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 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 B: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)**

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.



**Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)**

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

**Item D: Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)**

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. 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.

**Item E: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)**

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

**Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)**

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 does not stay any permit condition.

**Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (a) (5)**

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

**Item H: Property Rights - 6 NYCRR 201-6.4 (a) (6)**

This permit does not convey any property rights of any sort or any exclusive privilege.



**Item I: Severability - 6 NYCRR 201-6.4 (a) (9)**

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

**Item J: Permit Shield - 6 NYCRR 201-6.4 (g)**

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

**Item K: Reopening for Cause - 6 NYCRR 201-6.4 (i)**

This Title V permit shall be reopened and revised under any of the following circumstances:

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is



three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. 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 original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

**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.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS  
SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES**

**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.**

**Condition 1: Acceptable Ambient Air Quality**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR 200.6**

**Item 1.1:**

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.

**Condition 2: Fees**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (7)**

**Item 2.1:**

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

**Condition 3: Recordkeeping and Reporting of Compliance Monitoring**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR 201-6.4 (c)**



**Item 3.1:**

The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii) The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.2 of Part 201.

**Condition 4: Records of Monitoring, Sampling, and Measurement  
Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement: 6 NYCRR 201-6.4 (c) (2)**

**Item 4.1:**

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

**Condition 5: Compliance Certification  
Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement: 6 NYCRR 201-6.4 (c) (3) (ii)**

**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:



Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.
- (4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill





Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. 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. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

Subsequent reports are due every 6 calendar month(s).



**Condition 6: Compliance Certification**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement: 6 NYCRR 201-6.4 (e)**

**Item 6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

- i. Compliance certifications shall contain:
  - the identification of each term or condition of the permit that is the basis of the certification;
  - the compliance status;
  - whether compliance was continuous or intermittent;
  - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
  - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
  - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

**New York State Department of Environmental Conservation**

Permit ID: 9-1440-00034/00021

Facility DEC ID: 9144000034



iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2  
Air Compliance Branch  
290 Broadway  
New York, NY 10007-1866

The address for the RAPCE is as follows:

NYSDEC Region 9 Headquarters  
270 Michigan Avenue  
Buffalo, NY 14203-2915

The address for the BQA is as follows:

NYSDEC  
Bureau of Quality Assurance  
625 Broadway  
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2014.  
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR 202-2.1**

**Item 7.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 7.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

Monitoring Frequency: ANNUALLY



Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due by April 15th for previous calendar year

**Condition 8: Recordkeeping requirements**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR 202-2.5**

**Item 8.1:**

(a) The following records shall be maintained for at least five years:

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

**Condition 9: Open Fires - Prohibitions**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR 215.2**

**Item 9.1:**

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

**Item 9.2**

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.



- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS  
SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.**

**[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]**

**Condition 10: Maintenance of Equipment**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 10.1:**

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.

**Condition 11: Recycling and Salvage**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR 201-1.7**

**Item 11.1:**

Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

**Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air**



**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR 201-1.8**

**Item 12.1:**

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.

**Condition 13: Exempt Sources - Proof of Eligibility**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR 201-3.2 (a)**

**Item 13.1:**

The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

**Condition 14: Trivial Sources - Proof of Eligibility**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR 201-3.3 (a)**

**Item 14.1:**

The owner or operator of an emission source or activity that is listed as being trivial in this Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.

**Condition 15: Requirement to Provide Information**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (4)**

**Item 15.1:**

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

**Condition 16: Right to Inspect**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (8)**



**Item 16.1:**

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**Condition 17: Off Permit Changes**

**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR 201-6.4 (f) (6)**

**Item 17.1:**

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.4 shall not apply to any change made pursuant to this paragraph.

**Condition 18: Required Emissions Tests**

**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR 202-1.1**

**Item 18.1:**

**New York State Department of Environmental Conservation**

Permit ID: 9-1440-00034/00021

Facility DEC ID: 9144000034



For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

**Condition 19: Accidental release provisions.**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:40 CFR Part 68**

**Item 19.1:**

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
  - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
  - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

Risk Management Plan Reporting Center  
C/O CSC  
8400 Corporate Dr  
Carrollton, Md. 20785

**Condition 20: Recycling and Emissions Reduction**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:40CFR 82, Subpart F**

**Item 20.1:**

The permittee shall comply with all applicable provisions of 40 CFR Part 82.

**The following conditions are subject to annual compliance certification requirements for Title V permits only.**

**Condition 21: Emission Unit Definition**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**



**New York State Department of Environmental Conservation**

Permit ID: 9-1440-00034/00021

Facility DEC ID: 9144000034



**Item 21.1:**

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

Emission Unit: R-22901

Emission Unit Description:

Six 1400 HP Worthington compressor engines. Each fires natural gas and has been retrofitted with low emissions combustion equipment.

Building(s): 1

**Item 21.2:**

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

Emission Unit: R-22902

Emission Unit Description:

Three 438 HP Worthington auxiliary engines. Each fires natural gas.

Building(s): 1

**Item 21.3:**

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

Emission Unit: R-2290D

Emission Unit Description:

Natural gas dehydrator system rated at 120 MMscfd consisting of an absorber, tower, triethylene glycol (TEG) regenerator rated at 1.5 MMBtu/hr, and an air-cooled regenerative vent gas vapor recovery unit (VRU). VOC and HAP emissions are controlled by the VRU and combustion in the reboiler firebox.

Building(s): NONE

**Condition 22: Progress Reports Due Semiannually  
Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR 201-6.4 (d) (4)**

**Item 22.1:**

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

**Condition 23: Air pollution prohibited  
Effective between the dates of 07/31/2013 and 07/30/2018**



**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 23.1:**

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 24: Compliance Certification**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

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

**Item 24.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 24.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the facility on a monthly basis. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with 6NYCRR Part 227.1.3(a) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify the Department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

New York State Department of Environmental Conservation

Permit ID: 9-1440-00034/00021

Facility DEC ID: 9144000034



Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department.

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Monitoring Frequency: MONTHLY  
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2014.  
Subsequent reports are due every 6 calendar month(s).

**Condition 25: Reporting requirements**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:40CFR 63.1285, Subpart HHH**

**Item 25.1:**

The owner/operator of a facility subject to this subpart shall submit the following reports:

- 1) The initial notification required for existing affected sources under 40 CFR 63.9(b)(2) shall be submitted by one year after the source becomes subject to this subpart or by October 15, 2013, whichever is later.
- 2) A Notification of Compliance Status report as required under 40 CFR 63.9(h) shall be submitted within 180 days of the facility's compliance date. The report shall contain the information listed in 40 CFR 63.1285(d)(1) through (12).
- 3) Periodic Reports shall be submitted beginning no later than 240 days after the Notification of Compliance Status Report is due and shall cover the 6-month period beginning on the date the Notification of Compliance Status Report is due. Subsequent Periodic Reports shall be submitted semiannually thereafter. The periodic reports shall include the information listed in 40 CFR 63.1285(e)(2)(i) through (xiii).
- 4) Whenever there is a process change or a change in any of the information submitted in the Notification of Compliance Status Report, the owner/operator shall submit a report within 180 days after the process change is made or as a part of the next Periodic Report, whichever is sooner. The notification of process change shall include the information listed in 40 CFR 63.1285(f)(1) through (4).

**Condition 26: Applicability**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

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

**Item 26.1:**

Facilities that have reciprocating internal combustion engines must comply with applicable portions of 40 CFR 63 subpart ZZZZ.



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

**Condition 27: Emission Point Definition By Emission Unit**  
Effective between the dates of 07/31/2013 and 07/30/2018

Applicable Federal Requirement:6 NYCRR Subpart 201-6

**Item 27.1:**

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

Emission Unit: R-22901

Emission Point: R001A  
Height (ft.): 30 Diameter (in.): 16  
NYTMN (km.): 4732.07 NYTME (km.): 186.179 Building: 1

Emission Point: R002A  
Height (ft.): 30 Diameter (in.): 16  
NYTMN (km.): 4732.07 NYTME (km.): 186.179 Building: 1

Emission Point: R003A  
Height (ft.): 30 Diameter (in.): 16  
NYTMN (km.): 4732.07 NYTME (km.): 186.179 Building: 1

Emission Point: R004A  
Height (ft.): 30 Diameter (in.): 16  
NYTMN (km.): 4732.07 NYTME (km.): 186.179 Building: 1

Emission Point: R005A  
Height (ft.): 29 Diameter (in.): 16  
NYTMN (km.): 4732.07 NYTME (km.): 186.179 Building: 1

**Item 27.2:**

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

Emission Unit: R-22902

Emission Point: R0007  
Height (ft.): 26 Diameter (in.): 8  
NYTMN (km.): 4732.07 NYTME (km.): 186.179 Building: 1

Emission Point: R0008  
Height (ft.): 26 Diameter (in.): 8  
NYTMN (km.): 4732.07 NYTME (km.): 186.179 Building: 1

Emission Point: R0009  
Height (ft.): 26 Diameter (in.): 8  
NYTMN (km.): 4732.07 NYTME (km.): 186.179 Building: 1

**Item 27.3:**

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



Emission Unit: R-2290D

Emission Point: R0010  
Height (ft.): 20 Diameter (in.): 12  
NYTMN (km.): 4731.85 NYTME (km.): 186.15 Building: NONE

Emission Point: R0011  
Height (ft.): 5 Diameter (in.): 2  
NYTMN (km.): 4731.85 NYTME (km.): 186.15 Building: NONE

**Condition 28: Process Definition By Emission Unit**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 28.1:**

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

Emission Unit: R-22901  
Process: RC1 Source Classification Code: 2-02-002-52  
Process Description:  
The operation of six 1400 HP Worthington compressor engines.

Emission Source/Control: 0R01A - Combustion

Emission Source/Control: 0R02A - Combustion

Emission Source/Control: 0R03A - Combustion

Emission Source/Control: 0R04A - Combustion

Emission Source/Control: 0R05A - Combustion

Emission Source/Control: 0R06A - Combustion

**Item 28.2:**

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

Emission Unit: R-22902  
Process: RC2 Source Classification Code: 2-02-002-53  
Process Description:  
The operation of three 438 HP Worthington auxiliary engines.

Emission Source/Control: 0R007 - Combustion

Emission Source/Control: 0R008 - Combustion

Emission Source/Control: 0R009 - Combustion



**Item 28.3:**

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

Emission Unit: R-2290D  
Process: RC3 Source Classification Code: 3-10-002-27

Process Description:

Natural gas dehydrator system rated at 120 MMscfd consisting of an absorber tower and triethylene glycol (TEG) regenerator, rated at 1.5 MMBtu/hr, and an air-cooled regenerator vent gas vapor recovery unit (VRU). Vent gases produced during TEG regeneration are routed to the VRU. Condensed vapor and flash gas are burned in the reboiler firebox as supplemental fuel. Uncondensed vapors are vented to the atmosphere.

Emission Source/Control: 0R010 - Combustion  
Design Capacity: 1.5 million Btu per hour

Emission Source/Control: 0R012 - Control  
Control Type: VAPOR RECOVERY SYS(INCL.  
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: 0R011 - Process  
Design Capacity: 120 million standard cubic feet per day

**Condition 29: Emission Unit Permissible Emissions**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 29.1:**

The sum of emissions from all regulated processes specified in this permit for the emission unit cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: R-2290D  
CAS No: 000071-43-2  
Name: BENZENE  
PTE(s): 1,999 pounds per year

**Condition 30: Compliance Certification**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR 227-2.4 (f) (1)**

**Item 30.1:**

The Compliance Certification activity will be performed for:

Emission Unit: R-22901

Regulated Contaminant(s):



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

**Item 30.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

This is the NOx RACT emission limit for the six Worthington UTC compressor engines located at the Eden compressor station. Performance testing completed on March 13, 2007 showed that a representative sampling of the engines are in compliance with the 6 g/bhp-hr emission limit.

Continued compliance will be assured via:

1. TGP's Engine Analysis program which periodically analyzes fundamental engine parameters, such as fuel consumption, firing pressures and power cylinder vibration, as indicators of the overall status of the combustion unit and the emissions reduction equipment.
2. TGP's Best Management Practices (BMP) is used to ensure that each engine runs at optimum conditions and does not exceed the NOx RACT limit. The BMP provides data on all critical operational parameters affecting proper engine operation, such as lube oil temperature and air manifold pressure. Monitoring intervals vary.

Parameter Monitored: FUEL

Upper Permit Limit: 6 grams per brake horsepower-hour

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 31: Compliance Certification**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement: 6 NYCRR 227-2.4 (f) (1)**

**Item 31.1:**

The Compliance Certification activity will be performed for:

Emission Unit: R-22901

New York State Department of Environmental Conservation

Permit ID: 9-1440-00034/00021

Facility DEC ID: 9144000034



Regulated Contaminant(s):

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

**Item 31.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Compliance with the NOx RACT emission limit of 6.0 g/bhp-hr will be verified once every five years, based on the date of the previous test, via performance testing in accordance with 40CFR60, Appendix A, Method 7E. A test protocol shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at least 60 days prior to the proposed test date. Department staff will be afforded the opportunity to witness the performance test by notifying the RAPCE of the actual test date. A test report shall be submitted to the RAPCE within 60 days of test completion.

Performance testing completed on March 13, 2007 on Unit #6, which was considered representative of the facility's six compressor engines, showed that the engines are in compliance with the 6.0 g/bhp-hr emission limit.

The next performance test is due to be completed within 180 days of permit issuance, and subsequently verified once every five years, based on the date of the last test.

Upper Permit Limit: 6 grams per brake horsepower-hour

Reference Test Method: USEPA Reference Method 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 32: Compliance Certification**

**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement: 6 NYCRR 227-2.4 (f) (1)**

**Item 32.1:**

The Compliance Certification activity will be performed for:

Emission Unit: R-22902

Regulated Contaminant(s):

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





**Item 32.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

This is the NOx RACT limit for three 438 HP Worthington auxilliary engines. Performance testing completed on Janaury 20-22, 2010, showed that all three engines are in compliance with the 1.5 g/bhp-hr emission limit.

Continued compliance will be assured via:

1. TGP's Engine Analysis program which periodically analyzes fundamental engine parameters, such as fuel consumption, firing pressures and power cylinder vibration, as indicators of the overall status of the combustion unit and the emissions reduction equipment.
2. TGP's Best Management Practices (BMP) is used to ensure that each engine runs at optimum conditions and does not exceed the NOx RACT limit. The BMP provides data on all critical operational parameters affecting proper engine operation, such as lube oil temperature and air manifold pressure. Monitoring intervals vary.

Parameter Monitored: FUEL

Upper Permit Limit: 1.5 grams per brake horsepower-hour

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 33: Compliance Certification**

**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR 227-2.4 (f) (1)**

**Item 33.1:**

The Compliance Certification activity will be performed for:

Emission Unit: R-22902

Regulated Contaminant(s):

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

**New York State Department of Environmental Conservation**

Permit ID: 9-1440-00034/00021

Facility DEC ID: 9144000034



**Item 33.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Compliance with the NO<sub>x</sub> RACT emission limit of 1.5 g/bhp-hr will be verified once every five years, based on the date of the previous test, via performance testing in accordance with 40CFR60, Appendix A, Method 7E. A test protocol shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at least 60 days prior to the proposed test date. Department staff will be afforded the opportunity to witness the performance test by notifying the RAPCE of the actual test date. A test report shall be submitted to the RAPCE within 60 days of test completion.

Performance testing completed on January 20-22, 2010, showed that all three 438 HP Worthington auxilliary engines are in compliance with the 1.5 g/bhp-hr emission limit. The next performance test is due to be completed prior to January 23, 2015.

Upper Permit Limit: 1.5 grams per brake horsepower-hour

Reference Test Method: USEPA Method 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 34: Capping Monitoring Condition**

**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 34.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR 63.1274 (d) (2)

**Item 34.2:**

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 34.3:**

**New York State Department of Environmental Conservation**

Permit ID: 9-1440-00034/00021

Facility DEC ID: 9144000034



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.

**Item 34.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 34.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 34.6:**

The Compliance Certification activity will be performed for:

Emission Unit: R-2290D

Regulated Contaminant(s):

CAS No: 000071-43-2      BENZENE

**Item 34.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Tennessee Gas Pipeline Co. will monitor the dehydration system to ensure that the benzene emissions from the system do not exceed 0.90 megagrams per year in order to be considered a small glycol dehydration unit as defined at 40CFR 63.1271 Subpart HHH. The actual annual average benzene emissions will be determined on a calendar year basis using the computer model GRI-GLYCalc, Version 3.0 or higher based on dehydration system operating records and absorber conditions resulting in maximum potential emissions. Records of the actual annual average benzene emissions, in terms of benzene emissions per year, will be maintained for at least five years and made available to Department representatives upon request.

Whenever the dehydrator is in operation, the vapor recovery unit (VRU) will also be operated and flash tank gas will be routed to the reboiler firebox.

**New York State Department of Environmental Conservation**

Permit ID: 9-1440-00034/00021

Facility DEC ID: 9144000034



Parameter Monitored: BENZENE  
Upper Permit Limit: 0.90 Megagrams (10\*\*6 grams) per  
year  
Monitoring Frequency: MONTHLY  
Averaging Method: ANNUAL TOTAL  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2014.  
Subsequent reports are due every 6 calendar month(s).

**Condition 35: Compliance Certification**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement:6 NYCRR 212.9 (b)**

**Item 35.1:**

The Compliance Certification activity will be performed for:

Emission Unit: R-2290D

**Item 35.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The triethylene glycol (TEG) dehydration unit is not subject to 40CFR 63 Subpart HHH (Oil and Natural Gas Transmission and Storage) since the facility has accepted a benzene emission cap of less than 0.9 megagram/year for the emission unit, R-2290D.

The unit, which consists of an absorber, tower, TEG regenerator, and an air-cooled regenerative vent gas vapor recovery unit (VRU), however, is subject to 6NYCRR Part 212. §212.9 requires process emissions to meet the control standards within Table 2.

Air dispersion modeling must be performed using the Air Guide 1 model. A copy of the completed model results including the input values must be submitted to the Regional Air Pollution Control Engineer within 60 days of permit issuance.

If modeling results show that the dehydration unit is in compliance with the short term and annual guidance concentrations for benzene (1300 and 0.13 µg/m<sup>3</sup>, respectively) then Tennessee Gas will ensure continuous compliance by:

1. Maintaining all equipment within the dehydration unit, including any relief valves, according to manufacturer recommendations and good practices.



2. Determining the benzene concentration within the natural gas stream via sampling and analysis once per calendar year.

If modeling results show that the dehydration unit is NOT in compliance with the short term and annual guidance concentrations for benzene, improvements to the TEG dehydration unit must be made to bring the unit into compliance with the §212.9 Table 2 control requirements. The improvements and updated modeling must be completed within 120 days of permit issuance.

Monitoring Frequency: ANNUALLY  
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 The initial report is due 1/30/2014.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 36: Small Glycol Dehydration Unit BTEX Limit**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

**Applicable Federal Requirement: 40CFR 63.1275(b)(1)(iii), Subpart**

**HHH**

**Item 36.1:**  
 This Condition applies to Emission Unit: R-2290D

**Item 36.2:**  
 The owner or operator of an existing small glycol dehydration unit, as defined in 40 CFR 63.1271, must limit BTEX emissions from each unit to the limit determined in Equation 1. The owner or operator must limit BTEX emissions from each new small glycol dehydration unit process vent, as defined in 40 CFR 63.1271, to the limit determined in Equation 2. The limits determined using Equation 1 or Equation 2 must be met in accordance with one of the alternatives specified in paragraphs (A) through (D).

$$EL_{BTEX} = 3.10 \times 10^{-4} * Throughput * C_{i,BTEX} * 365 \frac{days}{year} * \frac{1Mg}{1 \times 10^6 grams} \text{ Equation 1}$$

Where:

$EL_{BTEX}$  = Unit-specific BTEX emission limit, megagrams per year;  
 $3.10 \times 10^{-4}$  = BTEX emission limit, grams BTEX/standard cubic meter-ppmv;  
 Throughput = Annual average daily natural gas throughput, standard cubic meters per day;  
 $C_{i,BTEX}$  = Annual average BTEX concentration of the natural gas at the inlet to the glycol dehydration unit, ppmv.

$$EL_{BTEX} = 5.44 \times 10^{-5} * Throughput * C_{i,BTEX} * 365 \frac{days}{year} * \frac{1Mg}{1 \times 10^6 grams} \text{ Equation 2}$$



Where:

$EL_{BTEX}$  = Unit-specific BTEX emission limit, megagrams per year;

$5.44 \times 10^{-5}$  = BTEX emission limit, grams BTEX/standard cubic meter-ppmv;

Throughput = Annual average daily natural gas throughput, standard cubic meters per day;

$C_{i,BTEX}$  = Annual average BTEX concentration of the natural gas at the inlet to the glycol dehydration unit, ppmv.

(A) Connect the process vent to a control device or combination of control devices through a closed-vent system. The closed vent system shall be designed and operated in accordance with the requirements of 40 CFR 63.1281(c). The control device(s) shall be designed and operated in accordance with the requirements of 40 CFR 63.1281(f).

(B) Meet the emissions limit through process modifications in accordance with the requirements specified in 40 CFR 63.1281(e).

(C) Meet the emission limit for each small glycol dehydration unit using a combination of process modifications and one or more control devices through the requirements specified in paragraphs (A) and (B).

(D) Demonstrate that the emissions limit is met through actual uncontrolled operation of the small glycol dehydration unit. Document operational parameters in accordance with the requirements specified in 40 CFR 63.1281(e) and emissions in accordance with the requirements specified in 40 CFR 63.1282(a)(3).



**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: 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 applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.**

**Condition 37: Contaminant List**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

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

**Item 37.1:**

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: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Condition 38: Malfunctions and start-up/shutdown activities**  
**Effective between the dates of 07/31/2013 and 07/30/2018**

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

**Item 38.1:**

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, 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 department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.



