

# PERMIT Under the Environmental Conservation Law (ECL)

#### IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility Permit ID: 4-1026-00037/00029

Effective Date: Expiration Date:

Permit Issued To:TENNESSEE GAS PIPELINE COMPANY, L.L.C.

1001 LOUISIANA ST STE 1000

PO BOX 2511

HOUSTON, TX 77002

Contact: Austin Harris

1001 Louisiana St Ste 1000 Houston, TX 77002 (713) 420-7024

Facility: COMPRESSOR STATION 254

ST RTE 66 - E SIDE - S OF COUNTY LINE

RIDERS MILLS, NY 12123-0369

Contact: Adam Rotman

PO Box D

Carlisle, NY 12031-0110

(518) 441-2445

# Description:

Compressor Station 254 (Nassau) uses seven (7) natural gas-fired compressor engines - one (1) gas turbine and six (6) reciprocating engines. These natural gas prime movers are used to power compressors for pipeline transportation (i.e., they "pump" gas). There are several activities at this compressor station that are trivial or exempt. Compressor Station 254 is a Major facility with emissions of NOx, CO, HAPs, and speciated HAPs all at major levels.

As part of this Air Title V permit renewal, TGP proposes to retrofit and add emission controls to each of the six (6) Worthington UTC-165 compressor engines at Station 254. As a result of a successful research and development study, TGP proposes to install pre-combustion retrofit technology to reduce nitrogen oxide (NOx) emissions from the UTC engines. The pre-combustion retrofit changes the operation of the emission source, and is not considered to be a control device. This physical change will allow more uniform combustion of the air/fuel mixture at lower temperatures than the existing conventional ignition, which will result in less NOx emissions. TGP will also install post-combustion oxidation catalysts to each of the six compressor engines to reduce emissions of volatile organic compounds (VOC), carbon monoxide (CO), and hazardous air pollutants (HAP).

# **Division of Air Resources**



# **Facility DEC ID: 4102600037**

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:	KATE MALCOLM				
	NYSDEC - REGION 4				
	1130 N WESTCOTT RD				
	SCHENECTADY, NY 12306-2014				
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.



# PAGE LOCATION OF CONDITIONS

# **PAGE**

5

# **DEC GENERAL CONDITIONS**

### **General Provisions**

- 1 Facility Inspection by the Department
- 5 2 Relationship of this Permit to Other Department Orders and Determinations
- 5 3 Applications for permit renewals, modifications and transfers
- 6 4 Permit modifications, suspensions or revocations by the Department **Facility Level**
- 6 5 Submission of application for permit modification or renewal-REGION 4 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.

#### Item3.2:

The permittee must submit a renewal application at least 180 days before the expiration of permits for Title V and 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

#### **Division of Air Resources**



Facility DEC ID: 4102600037

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 4 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 4 Headquarters Division of Environmental Permits 1130 North Westcott Rd. Schenectady, NY 12306-2014 (518) 357-2069



# Permit Under the Environmental Conservation Law (ECL)

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

# IDENTIFICATION INFORMATION

Permit Issued To:TENNESSEE GAS PIPELINE COMPANY, L.L.C.

1001 LOUISIANA ST STE 1000

PO BOX 2511

HOUSTON, TX 77002

Facility: COMPRESSOR STATION 254

ST RTE 66 - E SIDE - S OF COUNTY LINE

RIDERS MILLS, NY 12123-0369

Authorized Activity By Standard Industrial Classification Code:

4922 - NATURAL GAS TRANSMISSION

4923 - GAS TRANSMISSION AND DISTRIBUTION

Permit Effective Date: Permit Expiration Date:



# PAGE LOCATION OF CONDITIONS

PAGE FEDERALLY ENFORCEABLE CONDITIONS	
PEDERALLI ENFORCEMBLE CONDITIONS	
Facility Level	
7 1 6 NYCRR 200.6: Acceptable Ambient Air Quality	
8 2 6 NYCRR 201-6.4 (a) (7): Fees	
8 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of	
Compliance Monitoring	
8 4 6 NYCRR 201-6.4 (c) (2): Compliance Certification	
9 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification	
11 6 6 NYCRR 201-6.4 (e): Compliance Certification	
7 6 NYCRR 202-2.5: Recordkeeping requirements	
8 6 NYCRR 215.2: Open Fires - Prohibitions	
9 6 NYCRR 200.7: Maintenance of Equipment	
15 10 6 NYCRR 201-1.7: Recycling and Salvage	
15 11 6 NYCRR 201-1.8: Prohibition of Reintroduction of	
Collected Contaminants to the air	
15 12 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility	
15 13 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility	
15 14 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information	
16 15 6 NYCRR 201-6.4 (a) (8): Right to Inspect	
16 16 6 NYCRR 202-1.1: Required Emissions Tests	
17 40 CFR Part 68: Accidental release provisions.	
17 18 40CFR 82, Subpart F: Recycling and Emissions Reduction	
17 19 6 NYCRR Subpart 201-6: Emission Unit Definition	
18 20 6 NYCRR Subpart 201-6: Compliance Certification	
19 21 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually	
20 22 6 NYCRR 201-6.4 (f): Operational Flexibility	
20 23 6 NYCRR 201-6.4 (f) (2): Compliance Certification	
23 24 6 NYCRR 202-2.1 (c): Compliance Certification	
23 25 6 NYCRR 202-2.4 (a) (3): Statement dates for emissions statement	ents.
24 26 6 NYCRR 203-4.4 (c): Compliance Certification	
25 27 6 NYCRR 203-4.4 (e): Compressor rod packing or seal repair re	quirements.
25 28 6 NYCRR 203-7.2 (c): Compliance Certification	
26 29 6 NYCRR 203-7.3: Compressor station leak repair requirements	
<ul> <li>30 6 NYCRR 203-10.3: Reporting submissions and retention requir</li> <li>31 6 NYCRR 211.2: Visible Emissions Limited</li> </ul>	rements.
<ul> <li>32 6 NYCRR 227-1.4 (a): Compliance Certification</li> <li>33 6 NYCRR 227-2.4 (d): Compliance Certification</li> </ul>	
28 34 6 NYCRR 227-2.4 (d). Compliance Certification	
29 35 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.	
30 36 40CFR 60.7(a), NSPS Subpart A: Date of Construction	
Notification - if a COM is used	
31 37 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.	
31 38 40CFR 60.7(c), NSPS Subpart A: Compliance Certification	
32 39 40CFR 60.7(d), NSPS Subpart A: Excess emissions report.	
32 40 40CFR 60.7(f), NSPS Subpart A: Facility files for subject source	es.
33 41 40CFR 60.8(b), NSPS Subpart A: Performance test methods	
<ul> <li>41 40CFR 60.8(b), NSPS Subpart A: Performance test methods.</li> <li>42 40CFR 60.8(c), NSPS Subpart A: Required performance test info</li> </ul>	ormation.



# Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

34	44 40CFR 60.8(f), NSPS Subpart A: Number of required tests.		
34	45 40CFR 60.9, NSPS Subpart A: Availability of information.		
34	46 40CFR 60.11(d), NSPS Subpart A: Compliance with		
	Standards and Maintenance Requirements		
35	47 40CFR 60.12, NSPS Subpart A: Circumvention.		
35	48 40CFR 60.13, NSPS Subpart A: Monitoring requirements.		
35	49 40CFR 60.14, NSPS Subpart A: Modifications.		
36	50 40CFR 60.15, NSPS Subpart A: Reconstruction		
36	51 40CFR 63.7540(a)(12), Subpart DDDDD: Compliance Certification		
37	52 40CFR 63.6100, Subpart YYYY: Compliance Certification		
38	53 40CFR 63, Subpart ZZZZ: Applicability		
	Emission Unit Level		
38	54 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit		
39	55 6 NYCRR Subpart 201-6: Process Definition By Emission Unit		
	EU=T-25401		
40	56 40CFR 60.4320(a), NSPS Subpart KKKK: Compliance Certification		
41	57 40CFR 60.4340(a), NSPS Subpart KKKK: Compliance Certification		
42	58 40CFR 60.4375(b), NSPS Subpart KKKK: Compliance Certification		
42	59 40CFR 60.4400(b), NSPS Subpart KKKK: NOx performance testing		
methodology	,		
	STATE ONLY ENFORCEABLE CONDITIONS		
	Facility Level		
45	60 ECL 19-0301: Contaminant List		
45	61 6 NYCRR 201-1.4: Malfunctions and Start-up/Shutdown Activities		
45	STATE ONLY ENFORCEABLE CONDITIONS Facility Level 60 ECL 19-0301: Contaminant List		
43	of the CKR 201-1.4: Maintinetions and Start-up/Shutdown Activities		

62 6 NYCRR 211.1: Air pollution prohibited

46



#### FEDERALLY ENFORCEABLE CONDITIONS

Renewal 3/DRAFT

\*\*\*\* 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: 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 B: 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 C: 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 D: 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 E: 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 F: 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 G: 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 H: 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 I: 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 J: 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. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of 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 the 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 section 201- 6.6 of this Subpart.
- 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 K: 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 L: 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 for entire length of Permit

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



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

### **Condition 2:** Fees

**Effective for entire length of Permit** 

#### 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 for entire length of Permit

### 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: Compliance Certification Effective for entire length of Permit

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

#### Item 4.1:

The Compliance Certification activity will be performed for the Facility.

### Item 4.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES Monitoring Description:



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

The owner or operator of a Title V facility must keep all records used to determine compliance with any applicable limit(s) and/or monitoring requirement(s) at the facility (or other Department approved location) for a minimum of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 5: Compliance Certification

Effective for entire length of Permit

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 may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent 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) and one copy shall be sent to the Administrator (or his or her representative). 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. Subsequent reports are due every 6 calendar month(s).

# Condition 6: Compliance Certification Effective for entire length of Permit

#### 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.
- iv. All annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent 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) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – Air Compliance Branch USEPA Region 2 DECA/ACB 290 Broadway, 21st Floor New York, NY 10007

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer NYSDEC Region 4 Headquarters



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

1130 North Westcott Road Schenectady, NY 12306-2014

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 1/30/2026.

Subsequent reports are due on the same day each year

# Condition 7: Recordkeeping requirements Effective for entire length of Permit

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

#### Item 7.1:

- (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 8: Open Fires - Prohibitions Effective for entire length of Permit

### **Applicable Federal Requirement: 6 NYCRR 215.2**

#### Item 8.1:

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 8.2**

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.



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

- (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 9: Maintenance of Equipment
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 200.7

## Item 9.1:

Any person who owns or operates an air contamination source which is equipped with an



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

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 10: Recycling and Salvage

**Effective for entire length of Permit** 

# Applicable Federal Requirement: 6 NYCRR 201-1.7

#### Item 10.1:

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 11: Prohibition of Reintroduction of Collected Contaminants to the air

**Effective for entire length of Permit** 

# Applicable Federal Requirement: 6 NYCRR 201-1.8

#### Item 11.1:

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 12: Exempt Sources - Proof of Eligibility Effective for entire length of Permit

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

#### Item 12.1:

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 13: Trivial Sources - Proof of Eligibility Effective for entire length of Permit

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

### Item 13.1:

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 14: Requirement to Provide Information Effective for entire length of Permit



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

#### Item 14.1:

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 15: Right to Inspect
Effective for entire length of Permit

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

#### Item 15.1:

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 16: Required Emissions Tests
Effective for entire length of Permit

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

#### Item 16.1:

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

**Condition 17:** Accidental release provisions.



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

## Effective for entire length of Permit

### Applicable Federal Requirement: 40 CFR Part 68

#### Item 17.1:

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 18: Recycling and Emissions Reduction
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 82, Subpart F

#### Item 18.1:

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 19: Emission Unit Definition
Effective for entire length of Permit

# Applicable Federal Requirement: 6 NYCRR Subpart 201-6

## Item 19.1:

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

Emission Unit: R-25401

**Emission Unit Description:** 

Six (6) 1,400 HP Worthington UTC-165, 2 stroke lean burn compressor engines firing natural gas and retrofitted with



Low Emissions Control (LEC) technology.

Building(s): 1

#### Item 19.2:

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

Emission Unit: R-JWH01 Emission Unit Description:

1.3 MMBTU/hr Jacket Water Heater

#### Item 19.3:

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

Emission Unit: T-25401 Emission Unit Description:

One 10,475 HP Solar Taurus 70 compressor turbine.

Building(s): 2

**Condition 20:** Compliance Certification

Effective for entire length of Permit

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

#### Item 20.1:

The Compliance Certification activity will be performed for the facility: The Compliance Certification applies to:

Emission Unit: R-25401

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE CAS No: 000050-00-0 FORMALDEHYDE

#### Item 20.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES Monitoring Description:

The facility owner/operator shall conduct a performance test on six (6) Worthington UTC-165 natural gas fired compressor engine within 180 days of the initial operation of the first newly installed, post-combustion catalyst system. The facility shall submit to the Department, in writing, a test protocol not less than thirty (30) days prior to the test. Testing shall be conducted in accordance with a test protocol that has been approved by the Department. Within sixty (60) days of completion of testing for each engine, the facility shall submit to the Department a report describing the results of emissions tests. Each performance test will determine the baseline emission rate of formaldehyde that shall be used to establish Operational Parameters (OPs) for inlet and



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

outlet temperature range to control CO. The facility owner/operator shall keep on-site a Department approved Operational Parameter Monitoring Plan (OPMP) which explains procedures used to document proper operation of the catalyst systems.

Within thirty (30) days of departmental performance test results approval, the facility owner/operator shall submit to the Department an updated OPMP and catalyst maintenance plan describing measures that will be taken to ensure catalyst integrity and manufacturer's operational specifications will be met. The facility owner/operator shall maintain catalyst maintenance records on site for a minimum of five (5) years. At all times, the facility shall operate in accordance with the OPMP with or without modification of the facility's Air Title V permit. Operational monitoring parameters shall include but not be limited to:

- 1- Catalyst inlet temperature range; Upper and Lower limits
- 2- Pressure drop across the catalyst

Subsequent performance tests shall be conducted on one representative natural gas fired Worthington UTC-165 at least once every five years on a Department approved rotational testing schedule. During subsequent performance tests the facility owner/operator shall continuously monitor all catalyst operational parameters defined in the OPMP.

Reference Test Method: ASTM D6348

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: Arithmetic average of stack test runs

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 21: Progress Reports Due Semiannually Effective for entire length of Permit

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

## Item 21.1:

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



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

(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 22: Operational Flexibility Effective for entire length of Permit

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

### Item 22.1:

A permit modification is not required for changes that are provided for in the permit. Such changes include approved alternate operating scenarios and changes that have been submitted and approved pursuant to an established operational flexibility protocol and the requirements of this section. Each such change cannot be a modification under any provision of Title I of the Clean Air Act or exceed, or cause the facility to exceed, an emissions cap or limitation in the permit. The facility owner or operator must incorporate all changes into any compliance certifications, record keeping, and/or reporting required by the permit.

# Condition 23: Compliance Certification Effective for entire length of Permit

# Applicable Federal Requirement: 6 NYCRR 201-6.4 (f) (2)

#### Item 23.1:

The Compliance Certification activity will be performed for the Facility.

#### Item 23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES Monitoring Description:

Operational Flexibility Protocol

#### I. Protocol Objective

The objective of this condition is to enable operational flexibility at the facility by building the capability to make certain changes pursuant to this protocol into the Title V permit. As provided under 6 NYCRR Part 201-6.4(f), changes made under an approved protocol are not subject to the Title V permit modification provisions under 6 NYCRR Part 201-6.6 unless required by the Department pursuant to 201-6.4(f)(4).

- II. Protocol
- A. Criteria
- 1. Changes reviewed under this protocol shall be evaluated in accordance with the following criteria:



- a. All underlying federal and state requirements with which the new or changed operation or emission source must comply must exist in the Title V permit. Existing permit conditions may be amended to reference or include the new or changed operation or emission source and any related information, and/or subject to the Department's approval, new conditions proposed, to provide the appropriate monitoring parameters.
- b. Any new or changed emission source shall not be part of a source project that results in a significant net emission increase that exceeds the New Source Review (NSR) thresholds identified in 6 NYCRR Part 231.
- c. The facility shall not use the protocol to make physical changes or changes in the method of operation of existing emissions sources that would require a new or modified federally enforceable emissions cap. Such changes must be addressed via the significant permit modification provisions.
- B. Notification Requirements for Changes Reviewed under the Protocol
- 1. The facility shall notify the Department in writing of the proposed change at least 15 days in advance of making the proposed change.
- 2. Notifications made in accordance with this protocol must include the following information:
- a. Identification of the Title V permit emission unit, process(es), emission source(s) and emission point(s) affected by the proposed change with applicable revisions to the Emission Unit structure;
- b. Description of the proposed change, including operating parameters affected;
- c. Identification and description of emissions control device or technology that will be used; and
- d. Documentation of the project's, or emission source's, compliance with respect to all state and/or federally applicable requirements, including the following:
- i. Calculations demonstrating the emission rate potential and maximum projected annual actual emission rates for all contaminants affected by the change;
- ii. Documentation demonstrating that the change is not



subject to the New Source Review requirements described in 6 NYCRR Part 231:

- iii. Identification and evaluation of all state and federal regulations applicable to the proposed change;
- iv. A description of any additional operating and record keeping procedures necessary to ensure compliance with all applicable requirements; and
- v. Any other relevant information used for the evaluation of the proposed change under this protocol.
- e. Any other relevant information used for the evaluation of the proposed project or emission source under the Protocol.
- C. Review and Approval of Changes
- 1. The Department shall respond to the permittee in writing with a determination within 15 days of receipt of the notification required by Section II.B of this protocol.
- 2. The Department may require a permit modification in order to impose new applicable requirements or additional permit conditions if it determines that changes proposed pursuant to the notification do not meet the criteria under Section II. A above or that the changes may have a significant air quality impact or be otherwise potentially significant under SEQRA (6 NYCRR Part 617).
- 3. The Department may require that the permittee not undertake the proposed change until it completes a more detailed review of the proposed change, which may include potential air quality impacts and/or applicable requirements. The Department's determination shall include a listing of information required for further review, if necessary.
- D. Additional Compliance Obligations for Changes Made Under this Protocol
- 1. Upon commencement of the change, the facility shall comply with all applicable requirements and permit conditions, including any amended or proposed in accordance with II.A.1.a above.
- 2. The facility shall provide with the semiannual



monitoring report, a summary of the changes made in accordance with this protocol and a statement of the compliance status of each. Changes reported should include all those made during the corresponding period and any earlier changes that have not yet been incorporated into the permit.

- 3. The facility shall include each change made pursuant to this protocol in the next application for permit modification or renewal, whichever is first. Changes made pursuant to this protocol are not subject to the permit shield provisions described in 6 NYCRR 201-6.4(g) until they are incorporated into the Title V permit.
- 4. The facility shall maintain a record of each change made pursuant to this protocol at the facility and shall make such records available to the Department upon request.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR) Reports due 30 days after the reporting period. Subsequent reports are due every 6 calendar month(s).

# Condition 24: Compliance Certification Effective for entire length of Permit

### Applicable Federal Requirement: 6 NYCRR 202-2.1 (c)

### 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: RECORD KEEPING/MAINTENANCE PROCEDURES Monitoring Description:

Electronic submittal of emission statements will become mandatory and will be included as an enforceable condition in new or renewed Title V permits issued after January 1, 2021. The first reporting year under this provision will be the reporting year in which the permit was issued or reporting year 2025 (emission statements due in 2026), whichever is earlier.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 12 calendar month(s).

Condition 25: Statement dates for emissions statements. Effective for entire length of Permit



#### Applicable Federal Requirement: 6 NYCRR 202-2.4 (a) (3)

#### Item 25.1:

This facility is required to submit an annual emission statement electronically and these emissions statements must be submitted to the department as per the following schedule:

- (i) March 15th of each year for facilities with three or fewer processes listed in their Title V permit:
- (ii) March 31st of each year for facilities with four to six processes listed in their Title V permit:
- (iii) April 15th of each year for facilities with 7 to 12 processes listed in their Title V permit:
- (iv) April 30th of each year for facilities with 13 or more processes listed in their Title V permit.

# Condition 26: Compliance Certification Effective for entire length of Permit

### Applicable Federal Requirement: 6 NYCRR 203-4.4 (c)

#### Item 26.1:

The Compliance Certification activity will be performed for the facility: The Compliance Certification applies to:

Emission Unit: R-25401

# Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES Monitoring Description:

The compressor rod packing or seal emission flow rate through the rod packing or seal vent stack shall be measured annually by direct measurement (high volume sampling, bagging, calibrated flow measuring instrument) while the compressor is running at normal operating temperature using one of the following methods:

- (1) Vent stacks shall be equipped with a meter or instrumentation to measure the rod packing or seal emissions flow rate; or
- (2) Vent stacks shall be equipped with a clearly identified access port installed at a height of no more than six (6) feet above ground level or a permanent support surface for making individual or combined rod packing or seal emission flow rate measurements.



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

(3) If the measurement is not obtained because the compressor is not operating for the scheduled test date and the remainder of the inspection period, then testing shall be conducted within seven (7) days of resumed operation. The owner or operator shall maintain these records for a minimum of five years, and make available upon request by the Department, a copy of operating records that document the compressor hours of operation and run dates and a signed statement from the responsible official in order to demonstrate compliance with this requirement.

Monitoring Frequency: ANNUALLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 27: Compressor rod packing or seal repair requirements. Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 203-4.4 (e)

Item 27.1: A compressor with a rod packing or seal with a measured emission flow rate greater than two (2) scfm, or a combined rod packing or seal emission flow rate greater than the number of compression cylinders multiplied by two (2) scfm, shall be successfully repaired within thirty (30) days from the date of the initial emission flow rate measurement.

An extension to the thirty (30) day deadline may be granted by the Department if the owner or operator can demonstrate that the parts or equipment required to make necessary repairs have been ordered and the owner or operator notifies the Department as specified in 6 NYCRR 203-10.3 to report the delay and provides an estimated time by which the repairs will be completed.

Condition 28: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 203-7.2 (c)

#### Item 28.1:

The Compliance Certification activity will be performed for the Facility.

#### Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES Monitoring Description:

Owners or operators of natural gas transmission compressor station components that are subject to 6 NYCRR Subpart 203-4 shall be required to inspect those components in accordance with optical gas imaging (OGI), USEPA Reference Test Method 21, or similar approved alternative method:



Permit ID: 4-1026-00037/00029 **Facility DEC ID: 4102600037** 

- (1) Bimonthly, at least forty-five (45) days apart,
- (2) One (1) time over twelve (12) months if using an approved alternative method which offers continuous monitoring.

The owners or operators these components shall submit reports upon request of the Department and maintain the records of these inspections for a minimum of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING **DESCRIPTION** 

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 29:** Compressor station leak repair requirements. **Effective for entire length of Permit** 

Applicable Federal Requirement: 6 NYCRR 203-7.3

# Item 29.1: The following procedures shall be implemented for the repair of leaks at a compressor station:

- (a) Upon detection of a leak from any equipment or component subject to this Part, the owner or operator shall affix to that component a weatherproof, readily visible tag that identifies the date and time of leak detection. The tag shall remain affixed to the component until the following conditions are met:
- (1) The leaking component has been successfully repaired or replaced; and,
- (2) The component has been re-inspected utilizing one of the methods specified in 6 NYCRR Subpart 203-7.
- (b) The owner or operator shall maintain for at least five (5) years, and make available upon request by the Department, a record of leaks identified and shall report to the Department within sixty (60) days after repair and re-inspection as defined in 6 NYCRR 203-7.3(d) is complete. Records shall include the date that the leak was detected, location of the leak, the date that the leak was repaired and any delays that occurred.
- (c) Leaks shall be repaired within thirty (30) days of identification unless one of the conditions of 6 NYCRR 203-7(f) apply.
- (d) Repaired leaks shall be re-inspected using the methods specified in 6 NYCRR 203-7 within fifteen (15) days of repair.
- (e) Critical components or critical process units shall be successfully repaired by the end of the next process shutdown or within twelve (12) months from the date of initial leak detection, whichever is sooner.

**Condition 30:** Reporting submissions and retention requirements.



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

#### **Effective for entire length of Permit**

# Applicable Federal Requirement: 6 NYCRR 203-10.3

#### Item 30.1:

The owner or operator of a compressor station shall submit all required reports to both the Bureau Director, Bureau of Air Quality Planning, Division of Air Resources, 625 Broadway, Albany NY 12233, and the Regional Air Pollution Control Engineer in the corresponding Department Region in which the compressor station is located. Owners and operators of a compressor station must maintain all reports and records for at a minimum of five (5) years.

Condition 31: Visible Emissions Limited
Effective for entire length of Permit

## Applicable Federal Requirement: 6 NYCRR 211.2

#### Item 31.1:

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.

Condition 32: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 227-1.4 (a)

#### Item 32.1:

The Compliance Certification activity will be performed for the facility: The Compliance Certification applies to:

Emission Unit: R-25401

Emission Unit: T-25401

#### Item 32.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a stationary combustion installation subject to this Subpart shall operate an emission source which exhibits greater than 20 percent opacity (based on a six minute average), except for one 6 minute period per hour of not more than 27 percent



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

opacity. The owner or operator will conduct a Method 9 test annually. A report of the results of the test will be submitted to the Department within 30 days of the completion of the Method 9 test. All records generated by the permittee must be maintained at the facility or at an alternative location approved by the Department for a minimum of five years.

Parameter Monitored: OPACITY Upper Permit Limit: 20 percent

Reference Test Method: 40 CFR 60, Appendix A, Method 9

Monitoring Frequency: ANNUALLY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 33: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 227-2.4 (d)

#### Item 33.1:

The Compliance Certification activity will be performed for the facility: The Compliance Certification applies to:

Emission Unit: R-JWH01

Regulated Contaminant(s):

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

## Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES Monitoring Description:

The owner or operator of a small boiler, small combustion turbine, or small internal combustion engine must perform an annual tune-up of their equipment. This tune-up should be performed in accordance with the requirements of the DAR-5 guidance document. Records of each tune-up must be kept on-site for a minimum of five years.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 12 calendar month(s).

Condition 34: Compliance Certification
Effective for entire length of Permit

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

Item 34.1:

Air Pollution Control Permit Conditions
Page 28 DRAFT

Renewal 3



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

The Compliance Certification activity will be performed for the facility: The Compliance Certification applies to:

Emission Unit: R-25401

Regulated Contaminant(s):

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

#### Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to stationary internal combustion engines that have a maximum mechanical output rating equal to or greater than 200 brake horsepower in a severe ozone nonattainment area or 400 brake horsepower outside a severe ozone nonattainment area and are fired by natural gas. The owner or operator is required to submit a compliance testing protocol to the department for approval at least 60 days prior to testing. The owner or operator will maintain all records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 1.5 grams per brake horsepower-hour

Reference Test Method: 40 CFR 60 Appendix A - Method 7, 7E, or 19

Monitoring Frequency: Once every five years Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 35: EPA Region 2 address.

Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

# Item 35.1:

This Condition applies to:

Emission Unit: T25401

#### Item 35.2:

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance USEPA Region 2 290 Broadway, 21st Floor New York, NY 10007-1886



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

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

Condition 36: Date of Construction Notification - if a COM is used Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.7(a), NSPS Subpart A

#### Item 36.1:

This Condition applies to:

Emission Unit: T25401

#### Item 36.2:

Any owner or operator subject to this part shall furnish the Administrator with the following information:

- 1) a notification of the date construction or reconstruction commenced, post marked no later than 30 days after such date;
- 2) [reserved]
- 3) a notification of the actual date of initial start up, post marked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under this part. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;
- 5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, post marked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date, if a continuous opacity monitor is not being used at the facility; and
- 7) a notification that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during the performance test, post



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

marked not less than 30 days prior to the performance test.

Condition 37: Recordkeeping requirements. Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.7(b), NSPS Subpart A

## Item 37.1:

This Condition applies to:

Emission Unit: T25401

Process: TUR

### Item 37.2:

Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

**Condition 38:** Compliance Certification

**Effective for entire length of Permit** 

## Applicable Federal Requirement: 40CFR 60.7(c), NSPS Subpart A

## Item 38.1:

The Compliance Certification activity will be performed for the facility: The Compliance Certification applies to:

Emission Unit: T-25401 Emission Point: T0008

Emission Unit: T-25401

Process: TUR

### Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES Monitoring Description:

Affected owners or operators shall submit an excess emissions report and/or a summary report form (as defined in 40 CFR 60.7(d)) semi-annually (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be post marked no later than 30 days after each six (6) month period (or as appropriate), and shall contain the following information:

1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

- 2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;
- 3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments; and
- 4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 39: Excess emissions report.

Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.7(d), NSPS Subpart A

#### Item 39.1:

This Condition applies to:

Emission Unit: T25401

## Item 39.2:

A summary report form, for each pollutant monitored, shall be sent to the Administrator in the form prescribed in Figure 1 of 40 CFR Part 60.7(d).

**Condition 40:** Facility files for subject sources.

**Effective for entire length of Permit** 

Applicable Federal Requirement: 40CFR 60.7(f), NSPS Subpart A

#### Item 40.1:

This Condition applies to:

Emission Unit: T25401

## Item 40.2:

The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring device calibration checks; adjustments and maintenance performed on these systems



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

or devices; and all other information required by this part, recorded in permanent form suitable for inspections. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

Condition 41: Performance test methods.

Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.8(b), NSPS Subpart A

## Item 41.1:

This Condition applies to:

Emission Unit: T25401

Process: TUR

### Item 41.2:

Performance testing shall be conducted in accordance with the methods and procedures prescribed in 40 CFR 60 or by alternative methods and procedures approved by the Administrator.

Condition 42: Required performance test information. Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.8(c), NSPS Subpart A

### Item 42.1:

This Condition applies to:

Emission Unit: T25401

Process: TUR

#### Item 42.2:

Performance tests shall be conducted under such conditions specified by the Administrator, based upon representative performance data supplied by the owner or operator of the facility.

Condition 43: Performance testing facilities.

Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.8(e), NSPS Subpart A

## Item 43.1:

This Condition applies to:

Emission Unit: T25401

Process: TUR

#### Item 43.2:

The following performance testing facilities shall be provided during all tests:



## Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

- 1) sampling ports adequate for tests methods applicable to such facility;
- 2) a safe sampling platform;
- 3) a safe access to the sampling platform; and
- 4) utilities for sampling and testing equipment.

## Condition 44: Number of required tests. Effective for entire length of Permit

## Applicable Federal Requirement: 40CFR 60.8(f), NSPS Subpart A

## Item 44.1:

This Condition applies to:

Emission Unit: T25401

Process: TUR

#### Item 44.2:

Each performance test shall consist of three separate runs, at the specified duration required in the applicable test method. Compliance with all applicable standards shall be determined by using the arithmetic means of the results of the three runs.

## Condition 45: Availability of information. Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.9, NSPS Subpart A

## Item 45.1:

This Condition applies to:

Emission Unit: T25401

## Item 45.2:

The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by 40 CFR Part 2.

## Condition 46: Compliance with Standards and Maintenance Requirements Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.11(d), NSPS Subpart A

## Item 46.1:

This Condition applies to:

Emission Unit: T25401

Item 46.2:



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

At all times, including periods of startup, shutdown, and malfunction, owners and operators of this facility shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Department and the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

**Condition 47:** Circumvention.

Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A

#### Item 47.1:

This Condition applies to:

Emission Unit: T25401

#### Item 47.2:

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

**Condition 48:** Monitoring requirements.

**Effective for entire length of Permit** 

Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A

### Item 48.1:

This Condition applies to:

Emission Unit: T25401

Process: TUR

### Item 48.2:

All continuous monitoring systems and devices shall be installed, calibrated, maintained, and operated in accordance with the requirements of section 60.13.

Condition 49: Modifications.

**Effective for entire length of Permit** 

Applicable Federal Requirement: 40CFR 60.14, NSPS Subpart A

#### Item 49.1:

This Condition applies to:



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

Emission Unit: T25401

Process: TUR

## Item 49.2:

Within 180 days of the completion of any physical or operational change (as defined in section 60.14), compliance with the applicable standards must be achieved.

**Condition 50:** Reconstruction

Effective for entire length of Permit

## Applicable Federal Requirement: 40CFR 60.15, NSPS Subpart A

#### Item 50.1:

This Condition applies to:

Emission Unit: T25401

Process: TUR

#### Item 50.2:

The following shall be submitted to the Administrator prior to reconstruction (as defined in section 60.15):

- 1) a notice of intent to reconstruct 60 days (or as soon as practicable) prior to the action;
- 2) name and address of the owner or operator;
- 3) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;
- 7) the estimated life of the facility after the replacements; and
- 8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

## Condition 51: Compliance Certification

**Effective for entire length of Permit** 

## Applicable Federal Requirement: 40CFR 63.7540(a)(12), Subpart DDDDD

## Item 51.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

Emission Unit: R-JWH01

#### Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES Monitoring Description:

A boiler or process heater that has a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour and the unit is in the units designed to burn gas 1; units designed to burn gas 2 (other); or units designed to burn light liquid subcategories, or meets the definition of limited-use boiler or process heater in 40 CFR 63.7575 must conduct a tune-up of the boiler or process heater every 5 years as specified in 40 CFR 63.7540 (a)(10)(i) through (vi) to demonstrate continuous compliance. The owner or operator may delay the burner inspection specified in 40 CFR 63.7540(a)(10)(i) until the next scheduled or unscheduled unit shutdown, but must inspect each burner at least once every 72 months. If an oxygen trim system is utilized on a unit without emission standards to reduce the tune-up frequency to once every 5 years, set the oxygen level no lower than the oxygen concentration measured during the most recent tune-up.

Monitoring Frequency: Once every five years Reporting Requirements: SEMI-ANNUALLY (CALENDAR) Reports due 30 days after the reporting period. Subsequent reports are due every 6 calendar month(s).

Condition 52: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 63.6100, Subpart YYYY

### Item 52.1:

The Compliance Certification activity will be performed for the facility: The Compliance Certification applies to:

Emission Unit: T-25401

Regulated Contaminant(s):

CAS No: 000050-00-0 FORMALDEHYDE

#### Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING Monitoring Description:



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

For each new or reconstructed stationary combustion turbine that is a lean premix gas- or oil-fired, or a diffusion flame gas- or oil-fired, the facility must limit the concentration of formaldehyde to 91 ppbvd or less at 15% oxygen.

Compliance shall be demonstrated by following the requirements for performance testing in 40 CFR 63.6120. Continuous compliance shall be demonstrated by establishing the operating parameters in Table 2 and following the requirements in Table 5 of subpart YYYY.

Parameter Monitored: FORMALDEHYDE

Upper Permit Limit: 91 parts per billion by volume (dry,

corrected to 15% O2)

Reference Test Method: ASTM D6348 Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 53: Applicability

Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 63, Subpart ZZZZ

## Item 53.1:

This Condition applies to:

Emission Unit: R25401

## Item 53.2:

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

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

Condition 54: Emission Point Definition By Emission Unit Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

#### Item 54.1:

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

Emission Unit: R-25401

Air Pollution Control Permit Conditions

Renewal 3 Page 38 DRAFT



## Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

Emission Point: R001A

Height (ft.): 70 Diameter (in.): 24

NYTMN (km.): 4704.4 NYTME (km.): 618.096 Building: 1

Emission Point: R002A

Height (ft.): 70 Diameter (in.): 24

NYTMN (km.): 4704.392 NYTME (km.): 618.094 Building: 1

Emission Point: R003A

Height (ft.): 70 Diameter (in.): 24

NYTMN (km.): 4704.385 NYTME (km.): 618.093 Building: 1

Emission Point: R004A

Height (ft.): 70 Diameter (in.): 24

NYTMN (km.): 4704.378 NYTME (km.): 618.09 Building: 1

Emission Point: R005A

Height (ft.): 70 Diameter (in.): 24

NYTMN (km.): 4704.372 NYTME (km.): 618.087 Building: 1

Emission Point: R006A

Height (ft.): 70 Diameter (in.): 24

NYTMN (km.): 4704.365 NYTME (km.): 618.086 Building: 1

## Item 54.2:

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

Emission Unit: T-25401

Emission Point: T0008

Height (ft.): 60 Diameter (in.): 56

NYTMN (km.): 4704.354 NYTME (km.): 618.093 Building: 2

# Condition 55: Process Definition By Emission Unit Effective for entire length of Permit

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

## Item 55.1:

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

Emission Unit: R-25401

Process: RCP Source Classification Code: 2-02-002-02 Process Description: Six (6) Worthington UTC-165 compressor engines.

Emission Source/Control: OR01A - Combustion Design Capacity: 1,400 horsepower (mechanical)

Emission Source/Control: OR02A - Combustion Design Capacity: 1,400 horsepower (mechanical)



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

Emission Source/Control: OR03A - Combustion Design Capacity: 1,400 horsepower (mechanical)

Emission Source/Control: OR04A - Combustion Design Capacity: 1,400 horsepower (mechanical)

Emission Source/Control: OR05A - Combustion Design Capacity: 1,400 horsepower (mechanical)

Emission Source/Control: OR06A - Combustion Design Capacity: 1,400 horsepower (mechanical)

#### Item 55.2:

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

Emission Unit: R-JWH01

Process: H01 Source Classification Code: 1-02-006-03

Process Description: Small boiler operation

Emission Source/Control: JWH01 - Combustion Design Capacity: 1.3 million Btu per hour

#### Item 55.3:

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

Emission Unit: T-25401

Process: TUR Source Classification Code: 2-02-002-01

Process Description:

10,475 HP Solar Taurus 70 compressor turbine (HP rating

at 423 ft elevation, 40 degrees F, and 60% relative

humidity).

Emission Source/Control: OT008 - Combustion Design Capacity: 10,475 horsepower (mechanical)

**Condition 56:** Compliance Certification

**Effective for entire length of Permit** 

## Applicable Federal Requirement: 40CFR 60.4320(a), NSPS Subpart KKKK

## Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: T-25401

Regulated Contaminant(s):

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

#### Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Air Pollution Control Permit Conditions

Renewal 3 Page 40 DRAFT



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

## Monitoring Description:

For a facility with a new turbine firing natural gas and if the combustion turbine heat input at peak load (HHV) is greater than 50 mmBtu/hr and less than or equal to 850 mmBtu/hr, the facility must not exceed the NOx emission standard of 25 ppm at 15% O2.

Compliance with this emission standard shall be determined according to the annual performance tests as specified in §60.4340(a).

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 25 parts per million by volume (dry,

corrected to 15% O2)

Reference Test Method: EPA Method 7E or Met

Monitoring Frequency: ANNUALLY

Averaging Method: 3-HOUR BLOCK AVERAGE Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 12 calendar month(s).

## Condition 57: Compliance Certification Effective for entire length of Permit

## Applicable Federal Requirement: 40CFR 60.4340(a), NSPS Subpart KKKK

## Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: T-25401

Regulated Contaminant(s):

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

## Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES Monitoring Description:

If the facility is not using water or steam injection to control NOx emissions, the facility must perform annual performance tests in accordance with §60.4400 to demonstrate continuous compliance.

If the NOx emission result from the performance test is less than or equal to 75% of the NOx emission limit for the turbine, the facility may reduce the frequency of subsequent performance tests to once every two years (no more than 26 calendar months following the previous performance test). If the results of any subsequent performance test exceeds 75% of the NOx emission limit for the turbine, the facility must resume annual performance



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

tests.

Reference Test Method: EPA Method 7E or Met

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION** 

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 58:** Compliance Certification

Effective for entire length of Permit

## Applicable Federal Requirement: 40CFR 60.4375(b), NSPS Subpart KKKK

#### Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: T-25401

Regulated Contaminant(s):

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

#### Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES Monitoring Description:

For each affected unit that performs annual performance tests in accordance with §60.4340(a), the facility must submit a written report of the results of each performance test before the close of business on the 60th day following the completion of the performance test.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

## Condition 59: NOx performance testing methodology Effective for entire length of Permit

## Applicable Federal Requirement:40CFR 60.4400(b), NSPS Subpart KKKK

## Item 59.1:

This Condition applies to Emission Unit: T-25401

#### Item 59.2:

The performance test must be done at any load condition within +/- 25% of 100% of peak load. The facility may perform testing at the highest achievable load point, if at least 75% of peak load cannot be achieved in practice. The facility must conduct three separate test runs for each performance test. The minimum time per run is 20 minutes.

If the stationary combustion turbine combusts both oil and gas as primary or backup fuels, separate performance testing is required for each fuel.



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

For a combined cycle and CHP turbine systems with supplemental heat (duct burner), the facility must measure the total NOx emissions after the duct burner rather than directly after the turbine. The duct burner must be in operation during the performance test.

If water or steam injection is used to control NOx with no additional post-combustion NOx control and the facility chooses to monitor the steam or water to fuel ratio in accordance with §60.4335, then that monitoring system must be operated concurrently with each EPA Method 20 or 7E run and must be used to determine the fuel consumption and the steam or water to fuel ratio necessary to comply with the applicable §60.4320 NOx emission limit.

Compliance with the applicable emission limit in §60.4320 must be demonstrated at each tested load level. Compliance is achieved if the three-run arithmetic average NOx emission rate at each tested level meets the applicable emission limit in §60.4320.

If the facility elects to install a CEMS, the performance evaluation of the CEMS may either be conducted separately or (as described in §60.4405) as part of the initial performance test of the affected unit.

The ambient temperature must be greater than 0F during the performance test.



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

## 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: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined in 6 NYCRR 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 demonstrate, 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 facility was being properly operated and maintained;
- (3) during the period of the emergency the facility owner or operator took all reasonable steps to minimize the 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 any 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 malfunction provision contained in any applicable requirement.

# 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



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

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 60:** Contaminant List

Effective for entire length of Permit

Applicable State Requirement: ECL 19-0301

## Item 60.1:

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

CAS No: 000050-00-0 Name: FORMALDEHYDE

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Condition 61: Malfunctions and Start-up/Shutdown Activities

**Effective for entire length of Permit** 

Applicable State Requirement: 6 NYCRR 201-1.4

#### Item 61.1:

(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.



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037

- (b) The facility owner or operator shall compile and maintain records of all equipment maintenance and start-up/shutdown activities when they are expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when required by a permit condition or upon request by the department. Such reports shall state whether an exceedance occurred and if it was unavoidable, include the time, frequency and duration of the exceedance, 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 monitoring and quarterly reporting requirements need not submit additional reports of exceedances to the department.
- (c) In the event that air contaminant emissions exceed any applicable emission standard due to a malfunction, the facility owner or operator shall 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. In addition, the facility owner or operator shall compile and maintain a record of all malfunctions. Such records shall be maintained at the facility for a period of at least five years and must be made available to the department upon request. 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, the air contaminants emitted, and the resulting emission rates and/or opacity.
- (d) The department may also require the facility 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.

Condition 62: Air pollution prohibited
Effective for entire length of Permit

## **Applicable State Requirement: 6 NYCRR 211.1**

## Item 62.1:

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.



Permit ID: 4-1026-00037/00029 Facility DEC ID: 4102600037