



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 6-2156-00018/00021
Effective Date: 04/01/2015 Expiration Date: 03/31/2020

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

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

Facility: TGP COMPRESSOR STATION 245
457 BURROWS RD
WEST WINFIELD, NY 13491

Contact: MURALI RAMAMOORTHY
TENNESSEE GAS PIPELINE COMPANY
1001 LOUISIANA ST STE S1102A
HOUSTON, TX 77002
(712) 420-5546

Description:

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: LAWRENCE R AMBEAU
NYSDEC - REGION 6
317 WASHINGTON ST
WATERTOWN, NY 13601

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of application for permit modification or renewal-REGION 6 HEADQUARTERS



DEC GENERAL CONDITIONS

****** General Provisions ******

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:

Permits are transferrable with the approval of the department unless specifically prohibited by



the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

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

Item 4.1:

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

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

****** Facility Level ******

Condition 5: Submission of application for permit modification or renewal-REGION 6 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 6 Headquarters
Division of Environmental Permits
State Office Building, 317 Washington Street
Watertown, NY 13601-3787
(315) 785-2245



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

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

Facility: TGP COMPRESSOR STATION 245
457 BURROWS RD
WEST WINFIELD, NY 13491

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

Permit Effective Date: 04/01/2015

Permit Expiration Date: 03/31/2020



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.4 (a) (7): Fees
- 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance
Monitoring
- 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and
Measurement
- 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected
Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR Subpart 201-6: Emission Unit Definition
- 22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 23 6 NYCRR 202-1.2: Notification
- 24 6 NYCRR 202-1.3: Acceptable procedures - Stack test report submittal
- 25 6 NYCRR 202-1.3: Alternate test methods
- 26 6 NYCRR 202-1.3 (a): Acceptable procedures
- 27 6 NYCRR 202-1.4: Separate emission test by the commissioner
- 28 6 NYCRR 202-1.5: Prohibitions
- 29 6 NYCRR 211.1: Air pollution prohibited
- 30 6 NYCRR 227-1.3 (a): Compliance Certification
- 31 6 NYCRR 227-1.6 (b): Corrective action.
- 32 6 NYCRR 227-1.6 (c): Corrective action.
- 33 6 NYCRR 227-1.6 (d): Corrective action.
- 34 6 NYCRR 227-2.4 (d): Compliance Certification
- 35 6 NYCRR 227-2.6 (c): Compliance Certification
- 36 40CFR 63, Subpart DDDDD: Applicability
- 37 40CFR 63.7490(b), Subpart DDDDD: New source
- 38 40CFR 63.7495(d), Subpart DDDDD: Notification requirements
- 39 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
- 40 40CFR 63.7505(c), Subpart DDDDD: Demonstrating compliance
- 41 40CFR 63.7515(d), Subpart DDDDD: Compliance Certification
- 42 40CFR 63.7530(f), Subpart DDDDD: Notification of compliance status
- 43 40CFR 63.7545(e), Subpart DDDDD: Notification of compliance status



- 44 40CFR 63.7550(b), Subpart DDDDD: Compliance Certification
 - 45 40CFR 63.7550(d), Subpart DDDDD: Compliance Certification
 - 46 40CFR 63.7555(a), Subpart DDDDD: Compliance Certification
 - 47 40CFR 63.7560, Subpart DDDDD: Compliance Certification
 - 48 40CFR 63.7565, Subpart DDDDD: General provisions
 - 49 40CFR 63.6095(d), Subpart YYYY: Stay of Standards - New and Reconstructed Gas-fired Lean Premix Turbines
 - 50 40CFR 63.6145(a), Subpart YYYY: Stationary Combustion Turbine NESHAP - Initial Notifications
 - 51 40CFR 63.6145(c), Subpart YYYY: Initial notification
 - 52 40CFR 63.6145(d), Subpart YYYY: Stationary Combustion Turbine NESHAP - Initial Notifications
 - 53 40CFR 63.6595(a)(3), Subpart ZZZZ: Compliance deadline for new or reconstructed stationary RICE
 - 54 40CFR 63.6600(c), Subpart ZZZZ: Exemption for certain existing stationary reciprocating internal combustion engines (RICE)
 - 55 40CFR 63.6605(a), Subpart ZZZZ: Compliance required at all times
 - 56 40CFR 63.6605(b), Subpart ZZZZ: Operate and maintain air pollution control and monitoring equipment consistent with good engineering practices
 - 57 40CFR 63.6610(a), Subpart ZZZZ: Required date of initial compliance test
 - 58 40CFR 63.6620(b), Subpart ZZZZ: Performance test requirements
 - 59 40CFR 63.6620(i), Subpart ZZZZ: Compliance Certification
 - 60 40CFR 63.6640(b), Subpart ZZZZ: Deviations and catalyst changing provisions for lean burn and compression ignition engines
 - 61 40CFR 63.6640(c), Subpart ZZZZ: Compliance Certification
 - 62 40CFR 63.6640(d), Subpart ZZZZ: Treatment of deviations during first 200 hours of operation
 - 63 40CFR 63.6640(e), Subpart ZZZZ: Reporting of non-compliance with NESHAP General Provisions
 - 64 40CFR 63.6645(a), Subpart ZZZZ: Compliance Certification
 - 65 40CFR 63.6645(c), Subpart ZZZZ: Compliance Certification
 - 66 40CFR 63.6645(e), Subpart ZZZZ: Compliance Certification
 - 67 40CFR 63.6645(f), Subpart ZZZZ: Compliance Certification
 - 68 40CFR 63.6645(h)(2), Subpart ZZZZ: Compliance Certification
 - 69 40CFR 63.6650(b), Subpart ZZZZ: Compliance reports
 - 70 40CFR 63.6650(c), Subpart ZZZZ: Contents of compliance reports
 - 71 40CFR 63.6650(e), Subpart ZZZZ: Deviation reporting to be included in compliance reports
 - 72 40CFR 63.6655(a), Subpart ZZZZ: Compliance Certification
 - 73 40CFR 63.6655(b), Subpart ZZZZ: Compliance Certification
 - 74 40CFR 63.6660, Subpart ZZZZ: Compliance Certification
 - 75 40CFR 63.6665, Subpart ZZZZ: General provisions
- Emission Unit Level**
- 76 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
 - 77 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
 - 78 6 NYCRR Subpart 201-7: Emission Unit Permissible Emissions
- EU=R-24502**
- 79 6 NYCRR 227-2.5 (c): Compliance Certification
 - 80 6 NYCRR 227-2.5 (c): Compliance Certification



EU=R-24503

- 81 6 NYCRR 227-2.5 (c): Compliance Certification
- 82 6 NYCRR 227-2.5 (c): Compliance Certification

EU=R-24504

- 83 6 NYCRR 227-2.4 (f) (2): Compliance Certification
- 84 6 NYCRR 227-2.4 (f) (2): Compliance Certification

EU=R-24505

- *85 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *86 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *87 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *88 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 89 6 NYCRR 227-1.7: General Provisions
- 90 40CFR 63.6620(b), Subpart ZZZZ: Compliance Certification

EU=R-24505,Proc=RC5

- 91 40CFR 63.6640(a), Subpart ZZZZ: Compliance Certification
- 92 40CFR 63.6640(a), Subpart ZZZZ: Compliance Certification

EU=R-24506

- 93 6 NYCRR 227-2.4 (f) (6): Compliance Certification

EU=R-24507

- 94 40CFR 60.4320(a), NSPS Subpart KKKK: Compliance Certification
- 95 40CFR 60.4330, NSPS Subpart KKKK: Compliance Certification
- 96 40CFR 60.4340(a), NSPS Subpart KKKK: Compliance Certification
- 97 40CFR 60.4365(a), NSPS Subpart KKKK: Compliance Certification
- 98 40CFR 60.4375(b), NSPS Subpart KKKK: Compliance Certification
- 99 40CFR 60.4395, NSPS Subpart KKKK: Reporting requirements
- 100 40CFR 60.4400(a), NSPS Subpart KKKK: Test methods for NOx
- 101 40CFR 60.4400(b), NSPS Subpart KKKK: NOx performance testing methodology

EU=R-24507,EP=R013A,Proc=RC7,ES=0R13A

- 102 40CFR 60.4320, NSPS Subpart KKKK: Compliance Certification

EU=R-24508,Proc=RC8

- 103 40CFR 63.7495(a), Subpart DDDDD: Compliance Certification
- 104 40CFR 63.7510(g), Subpart DDDDD: Initial compliance date for new sources subject to work practices
- 105 40CFR 63.7540(a), Subpart DDDDD: Compliance Certification
- 106 40CFR 63.7545(c), Subpart DDDDD: New source notification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 107 ECL 19-0301: Contaminant List
- 108 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities

NOTE: * preceding the condition number indicates capping.



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

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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

(1) An emergency occurred and that the facility owner or operator can identify the cause(s) of the emergency;

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated and maintained;

(3) During the period of the emergency the facility owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) The facility owner or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

Item B: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)

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



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

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

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

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

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

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

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

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

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

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

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

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



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

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

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

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

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

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

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

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



three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

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

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

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

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

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

Item L: Permit Exclusion - ECL 19-0305

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



(NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

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

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

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

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:

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

Condition 2: Fees
Effective between the dates of 04/01/2015 and 03/31/2020

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

Item 2.1:

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

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 04/01/2015 and 03/31/2020

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



Item 3.1:

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

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

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

**Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 04/01/2015 and 03/31/2020**

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

Item 4.1:

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

**Condition 5: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020**

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.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

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.

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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 – Stationary Source Compliance Section
USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
State Office Building
317 Washington Street
Watertown, NY 13601-3787

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 1/30/2016.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.



Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

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

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

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

Condition 9: Open Fires - Prohibitions
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

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

Item 9.2

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous



agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.

- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

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

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

**Condition 10: Maintenance of Equipment
Effective between the dates of 04/01/2015 and 03/31/2020**

Applicable Federal Requirement: 6 NYCRR 200.7

Item 10.1:

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



Condition 11: Recycling and Salvage
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

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

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 04/01/2015 and 03/31/2020

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

Item 13.1:

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

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 04/01/2015 and 03/31/2020

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

Item 14.1:

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

Condition 15: Requirement to Provide Information
Effective between the dates of 04/01/2015 and 03/31/2020

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

Item 15.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any



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

Condition 16: Right to Inspect
Effective between the dates of 04/01/2015 and 03/31/2020

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

Item 16.1:

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

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

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

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

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

Condition 17: Off Permit Changes
Effective between the dates of 04/01/2015 and 03/31/2020

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

Item 17.1:

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

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



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

Condition 21: Emission Unit Definition
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 21.1:

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

Emission Unit: R-24502

Emission Unit Description:

Five 1,400 hp Worthington UTC-165, 2-Stroke Lean Burn(2SLB) compressor engines. Each fires natural gas and has been retrofitted with a low emissions combustion kit.

Building(s): 1

Item 21.2:

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

Emission Unit: R-24503

End Date: 12/31/2015

Emission Unit Description:

One Worthington ML-12, 2-Stroke Lean Burn(2SLB) compressor engine that fires natural gas. The operation end date for this unit will be do to the fact that the source (the compressor engine) will be shut down on 12/31/2015, this will also include the operation end date of the process.

Building(s): 1

Item 21.3:

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

Emission Unit: R-24504

Emission Unit Description:

One Dresser Rand (Clark) Model TLAD-6, 2-Stroke Lean Burn(2SLB) compressor engine that fires natural gas.

Building(s): 1

Item 21.4:

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

Emission Unit: R-24505

Emission Unit Description:

Two caterpillar model 3612 internal combustion engines (4-stroke lean burn;4SLB) rated at 3785 hp each.



Building(s): 2

Item 21.5:

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

Emission Unit: R-24506

Emission Unit Description:

Caterpillar model 3516 internal combustion engine
(4-stroke, lean burn) rated at 1148 hp for emergency power
generation.

Building(s): 3

Item 21.6:

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

Emission Unit: R-24507

Emission Unit Description:

One Taurus 70 natural gas fired turbine, with a diffusion
flame. (Compression Unit replacing Worthington ML-12
Engine, Emission Unit R-24503). The turbine construction
will commence on April 15, 2015, and operation will begin
on October 1, 2015.

Building(s): 4

Item 21.7:

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

Emission Unit: R-24508

Emission Unit Description:

Two 6.3 MMBtu/hr natural gas fired fuel/water heater.
The sources in this unit a part of the PSD/NSR analysis.

Building(s): 5

Condition 22: Progress Reports Due Semiannually
Effective between the dates of 04/01/2015 and 03/31/2020

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

Item 22.1:

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

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

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

Condition 23: Notification
Effective between the dates of 04/01/2015 and 03/31/2020



Applicable Federal Requirement:6 NYCRR 202-1.2

Item 23.1:

A person who is required by the commissioner to submit a stack test report shall notify the commissioner, in writing, not less than 30 days prior to the test, of the time and date of the test. Such notification shall also include the acceptable procedures to be used to stack test including sampling and analytical procedures. Such person shall allow the commissioner, or his representative, free access to observe stack testing being conducted by such person.

**Condition 24: Acceptable procedures - Stack test report submittal
Effective between the dates of 04/01/2015 and 03/31/2020**

Applicable Federal Requirement:6 NYCRR 202-1.3

Item 24.1:

Emission test reports must be submitted in triplicate to the commissioner within 60 days after the completion of the tests, unless additional time is requested in writing.

**Condition 25: Alternate test methods
Effective between the dates of 04/01/2015 and 03/31/2020**

Applicable Federal Requirement:6 NYCRR 202-1.3

Item 25.1:

Alternate emission test methods or deviations from acceptable test methods may be utilized if it is impractical to utilize the acceptable test methods or where no applicable test method is available, if prior acceptance of the proposed alternate method is granted by the commissioner.

**Condition 26: Acceptable procedures
Effective between the dates of 04/01/2015 and 03/31/2020**

Applicable Federal Requirement:6 NYCRR 202-1.3 (a)

Item 26.1:

Emission testing, sampling and analytical determinations to ascertain compliance with this Subchapter shall be conducted in accordance with test methods acceptable to the commissioner. The Reference Methods contained in part 60, appendix A and part 61, appendix B of title 40 of the Code of Federal Regulations and all future technical revisions, additions or corrections made thereto shall be considered as acceptable test methods for those sources and contaminants for which they are expressly applicable, except where the commissioner has issued a specific method to be used instead of a Reference Method contained in these Federal regulations or where the commissioner determines that one or more alternate methods are also acceptable. The person who owns or operates an air contamination source shall submit the emission test report in triplicate, to the commissioner within 60 days after the completion of tests. In the event such source owner/operator can demonstrate to the commissioner such time is not sufficient, he may request in writing and be granted an extension. Where an opacity emission standard is applicable to the source tested, the emission test report shall include the opacity observation.

**Condition 27: Separate emission test by the commissioner
Effective between the dates of 04/01/2015 and 03/31/2020**



Applicable Federal Requirement:6 NYCRR 202-1.4

Item 27.1:

The commissioner may conduct separate or additional emission tests on the behalf of the State to ascertain compliance or noncompliance with any air pollution code, rule, or regulation.

Condition 28: Prohibitions
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:6 NYCRR 202-1.5

Item 28.1:

No person shall conceal an emission by the use of air or other gaseous diluents to achieve compliance with an emission standard which is based on the concentration of a contaminant in the gases emitted through a stack.

Condition 29: Air pollution prohibited
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:6 NYCRR 211.1

Item 29.1:

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

Condition 30: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

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

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Item 30.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one-six-minute period per hour of not more than 27 percent opacity.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.



The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 31: Corrective action.
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:6 NYCRR 227-1.6 (b)

Item 31.1:
The commissioner may seal such stationary combustion installation so as to prevent any operation if the conditions of paragraphs 6 NYCRR Part 227-1.6(a)(1)-(3) are not met within the time provided by the order of final determination issued in the case of the violation.

Condition 32: Corrective action.
Effective between the dates of 04/01/2015 and 03/31/2020



Applicable Federal Requirement:6 NYCRR 227-1.6 (c)

Item 32.1:

No person shall cause, permit, or allow the operation of any affected stationary combustion installation sealed by the commissioner in accordance with this section.

Condition 33: Corrective action.

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:6 NYCRR 227-1.6 (d)

Item 33.1:

No person except the commissioner or his representative shall remove, tamper with, or destroy any seal affixed to any affected stationary combustion installation.

Condition 34: Compliance Certification

Effective between the dates of 04/01/2015 and 03/31/2020

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

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 34.2:

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.

The initial report is due 1/30/2016.

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

Condition 35: Compliance Certification

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:6 NYCRR 227-2.6 (c)

Item 35.1:

The Compliance Certification activity will be performed for the Facility.



Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a source required to conduct an emission test under subdivision (a) of this section must keep records that indicate the following has been completed:

(1) submit a compliance test protocol to the department for approval at least 30 days prior to emission testing.

The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and

(2) utilize the following procedures set forth in 40 CFR part 60, Appendix A or any other method acceptable to the department and the administrator for determining compliance with the appropriate NO_x limit in section 227-2.4 of this Subpart, and must, in addition, follow the procedures set forth in Part 202 of this Title:

- for stationary internal combustion engines, utilize Method 7, 7E, or 19 from 40 CFR part 60, Appendix A or another reference method approved by the department;

(3) submit a compliance test report containing the results of the emission test to the department no later than 60 days after completion of the emission test.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 36: Applicability
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement: 40CFR 63, Subpart DDDDD

Item 36.1:

Facilities that are major sources of HAP with industrial, commercial, or institutional boilers and/or process heaters must comply with applicable portions of 40 CFR 63 DDDDD.



Condition 37: New source
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.7490(b), Subpart DDDDD

Item 37.1:

A boiler or process heater is new if the owner or operator commenced construction of the boiler or process heater after June 4, 2010.

Condition 38: Notification requirements
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.7495(d), Subpart DDDDD

Item 38.1:

The owner or operator of an affected boiler must meet the notification requirements in 40 CFR 63.7545 according to the schedule in 40 CFR 63.7545 and in 40 CFR 63 subpart A. Some of the notifications must be submitted before the owner or operator is required to comply with the emission limits and work practice standards in subpart DDDDD.

Condition 39: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 39.1:

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

Emission Unit: R-24508
Process: RC8

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Boilers using a continuous oxygen trim system, boilers with a heat input capacity less than or equal to 5 million Btu per hour firing gas 1, gas 2 (other), and light liquid, and boilers that are subject to limited use requirements must conduct a 5-year tune-up as specified in 40 CFR 63.7540(a)(12) and must be conducted no more than 61 months after the previous tune-up. New and reconstructed boilers must conduct the first 5-year tune-up no more than 61 months after the initial startup of the affected source.

Monitoring Frequency: Once every five years

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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 40: Demonstrating compliance
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.7505(c), Subpart DDDDD

Item 40.1:

The owner or operator of an industrial, commercial, or institutional boiler located at a major source of HAP must demonstrate compliance with all applicable emission limits using performance stack testing, fuel analysis, or continuous monitoring systems (CMS), including a continuous emission monitoring system (CEMS), continuous opacity monitoring system (COMS), continuous parameter monitoring system (CPMS), or particulate matter continuous parameter monitoring system (PM CPMS), where applicable. The owner or operator may demonstrate compliance with the applicable emission limit for hydrogen chloride (HCl), mercury, or total selected metals (TSM) using fuel analysis if the emission rate calculated according to 40 CFR 63.7530(c) is less than the applicable emission limit. (For gaseous fuels, the owner or operator may not use fuel analyses to comply with the TSM alternative standard or the HCl standard.) Otherwise, the owner or operator must demonstrate compliance for HCl, mercury, or TSM using performance testing, if subject to an applicable emission limit listed in Tables 1, 2, or 11 through 13 to subpart DDDDD.

Condition 41: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.7515(d), Subpart DDDDD

Item 41.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: R-24508

Process: RC8

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Boilers with a heat input capacity less than 10 million Btu per hour must conduct an biennial tune-up as specified in 40 CFR 63.7540(a)(11) and must be conducted no more than 25 months after the previous tune-up. New or reconstructed boilers must conduct the first annual tune-up no later than 25 months after the initial startup of the affected source.

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Monitoring Frequency: Bi Annually
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 42: Notification of compliance status
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.7530(f), Subpart DDDDD

Item 42.1:

The owner or operator of an affected boiler must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.7545(e).

Condition 43: Notification of compliance status
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.7545(e), Subpart DDDDD

Item 43.1:

Owners and operators that are required to conduct an initial compliance demonstration as specified in 40 CFR 63.7530 must submit a Notification of Compliance Status according to 40 CFR 63.9(h)(2)(ii). For the initial compliance demonstration for each affected source, the owner or operator must submit the Notification of Compliance Status, including all performance test results and fuel analyses, before the close of business on the 60th day following the completion of all performance test and/or other initial compliance demonstrations for the affected source according to 40 CFR 63.10(d)(2). The Notification of Compliance Status report must contain all the information specified in 40 CFR 63.7545(e)(1) through (8), as applicable.

Condition 44: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.7550(b), Subpart DDDDD

Item 44.1:

The Compliance Certification activity will be performed for the Facility.

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Unless the EPA Administrator has approved a different schedule for submission of reports under 40 CFR 63.10(a), the owner or operator must submit each report, according to 40 CFR 63.7550(h), by the date in Table 9 to subpart



DDDDD and according to the requirements in (1) through (4). For units that are subject only to a requirement to conduct an annual, biennial, or 5-year tune-up according to 40 CFR 63.7540(a)(10), (11), or (12), respectively, and not subject to emission limits or operating limits, the owner or operator may submit only an annual, biennial, or 5-year compliance report, as applicable, as specified in paragraphs (1) through (4), instead of a semiannual compliance report.

(1) The first compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in 40 CFR 63.7495 and ending on July 31 or January 31, whichever date is the first date that occurs at least 180 days (or 1, 2, or 5 years, as applicable, if submitting an annual, biennial, or 5-year compliance report) after the compliance date that is specified for the owner or operators source in 40 CFR 63.7495.

(2) The first compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in 40 CFR 63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

(3) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

(4) Each subsequent compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. Annual, biennial, and 5-year compliance reports must be postmarked or submitted no later than January 31.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 45: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.7550(d), Subpart DDDDD

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Item 45.1:

The Compliance Certification activity will be performed for the Facility.

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each deviation from an emission limit or operating limit in this subpart that occurs at an individual boiler or process heater where the owner or operator is not using a CMS to comply with that emission limit or operating limit, the compliance report must additionally contain the information required in following paragraphs (1) through (3).

(1) A description of the deviation and which emission limit or operating limit from which the owner or operator deviated.

(2) Information on the number, duration, and cause of deviations (including unknown cause), as applicable, and the corrective action taken.

(3) If the deviation occurred during an annual performance test, provide the date the annual performance test was completed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 46: Compliance Certification

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.7555(a), Subpart DDDDD

Item 46.1:

The Compliance Certification activity will be performed for the Facility.

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must keep records according to paragraphs (1) and (2).

(1) A copy of each notification and report that was submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance



report that was submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv).

(2) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 47: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.7560, Subpart DDDDD

Item 47.1:

The Compliance Certification activity will be performed for the Facility.

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

The owner or operator must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The owner or operator can keep the records off site for the remaining 3 years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 48: General provisions
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.7565, Subpart DDDDD

Item 48.1:



Table 10 to subpart DDDDD shows which parts of the General Provisions in 40 CFR 63.1 through 63.15 apply to the facility. The owner or operator is responsible for ensuring they comply with all General Provisions contained in Table 10.

Condition 49: Stay of Standards - New and Reconstructed Gas-fired Lean Premix Turbines

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.6095(d), Subpart YYYYY

Item 49.1:

The owner or operator of a new or reconstructed stationary combustion turbine that is a lean premix gas-fired stationary combustion turbine or diffusion flame gas-fired stationary combustion turbine as defined by 40 CFR 63 Subpart YYYYY must comply with the Initial Notification requirements set forth in §63.6145 but need not comply with any other requirement of Subpart YYYYY until EPA takes final action to require compliance and publishes a document in the Federal Register.

Condition 50: Stationary Combustion Turbine NESHAP - Initial Notifications

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.6145(a), Subpart YYYYY

Item 50.1:

The owner or operator of a stationary combustion turbine must submit all applicable notifications in 40 CFR 63 Sections 63.7(b) and (c), 63.8(e), 63.8(f)(4), and 63.9(b) and (h) by the dates specified in those Sections.

Condition 51: Initial notification

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.6145(c), Subpart YYYYY

Item 51.1:

As specified in 40 CFR 63.9(b) the owner or operator of a new or reconstructed stationary combustion turbine that starts up on or after March 5, 2004 must submit an Initial Notification not later than 120 calendar days after the turbine becomes subject to subpart YYYYY.

Condition 52: Stationary Combustion Turbine NESHAP - Initial Notifications

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.6145(d), Subpart YYYYY



Item 52.1:

If the facility owner or operator is required to submit an Initial Notification but is otherwise not affected by the emission limitation requirements of 40 CFR 63 Subpart YYYY, in accordance with Section 63.6090(b), the notification must include the information in Section 63.9(b)(2)(i) through (v) and a statement that the new or reconstructed stationary combustion turbine has no additional emission limitation requirements and must explain the basis of the exclusion (for example, that it operates exclusively as an emergency stationary combustion turbine).

Condition 53: Compliance deadline for new or reconstructed stationary RICE

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.6595(a)(3), Subpart ZZZZ

Item 53.1:

Owners or operators of new or reconstructed stationary RICE with a site rating of more than 500 brake horsepower located at a major source of HAP emissions that start up after August 16, 2004 must comply with the applicable emission limitations and operating limitations in 40 CFR 63 Subpart ZZZZ upon startup.

Condition 54: Exemption for certain existing stationary reciprocating internal combustion engines (RICE)

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.6600(c), Subpart ZZZZ

Item 54.1:

Facilities that own or operate any of the following stationary RICE with a site rating of more than 500 brake horsepower located at a major source of HAP emissions: An existing two-stroke lean burn (2SLB) stationary RICE, an existing four-stroke lean burn (4SLB) stationary RICE, a stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, an emergency stationary RICE, or a limited use stationary RICE; do not need to comply with the emission limitations in Tables 1a, 2a, 2c, and 2d of 40 CFR 63 Subpart ZZZZ or operating limitations in Tables 1b and 2b of 40 CFR 63 Subpart ZZZZ.

Condition 55: Compliance required at all times

Effective between the dates of 04/01/2015 and 03/31/2020

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

Item 55.1:

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

Condition 56: Operate and maintain air pollution control and monitoring

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located at a major source of HAP emissions.

(4) New non-emergency CI stationary RICE with a site rating of greater than 500 brake HP located at a major source of HAP emissions.

Condition 59: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.6620(i), Subpart ZZZZ

Item 59.1:

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

Emission Unit: R-24505	
Process: RC5	Emission Source: 0R10A
Emission Unit: R-24505	
Process: RC5	Emission Source: 0R11A

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The engine percent load during a performance test must be determined by documenting the calculations, assumptions, and measurement devices used to measure or estimate the percent load in a specific application. A written report of the average percent load determination must be included in the notification of compliance status. The following information must be included in the written report: the engine model number, the engine manufacturer, the year of purchase, the manufacturer's site-rated brake horsepower, the ambient temperature, pressure, and humidity during the performance test, and all assumptions that were made to estimate or calculate percent load during the performance test must be clearly explained. If measurement devices such as flow meters, kilowatt meters, beta analyzers, stain gauges, etc. are used, the model number of the measurement device, and an estimate of its accuracy in percentage of true value must be provided.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 60: Deviations and catalyst changing provisions for lean burn and compression ignition engines
Effective between the dates of 04/01/2015 and 03/31/2020



Applicable Federal Requirement:40CFR 63.6640(b), Subpart ZZZZ

Item 60.1:

Facility must report each instance in which it did not meet each emission limitation or operating limitation in Tables 1a, 1b, 2a, 2b, 2c, and 2d of 40 CFR 63 Subpart ZZZZ that apply. These instances are deviations from the emission and operating limitations in 40 CFR 63 Subpart ZZZZ. These deviations must be reported according to the requirements in 40 CFR 63.6650.

If facility changes an oxidation catalyst, it must re-establish the values of the operating parameters measured during the initial performance test. When re-establishing the values of operating parameters, facility must also conduct a performance test, within 180 days of the oxidation catalyst change, to demonstrate that it is meeting the required emission limitation applicable to each stationary RICE. The performance test on the new oxidation catalyst may be scheduled to occur with the next required semi-annual carbon monoxide performance test.

The facility must keep records readily accessible in hard copy or electronic form for at least 5 years after the date of each deviation according to 40 CFR 63.10(b)(1).

Condition 61: Compliance Certification

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.6640(c), Subpart ZZZZ

Item 61.1:

The Compliance Certification activity will be performed for the Facility.

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The annual compliance demonstration required for existing non-emergency 4-stroke lean burn (4SLB) and 4-stroke rich burn (4SRB) stationary engines with a site rating greater than 500 brake horsepower located at an area source of HAP emissions that are not remote stationary RICE and that are operated more than 24 hours per calendar year must be conducted according to the following requirements:

- (1) The compliance demonstration must consist of at least one test run.
- (2) Each test run must be of at least 15 minute duration, except that each test conducted using the method in appendix A to subpart ZZZZ must consist of at least one measurement cycle and include at least 2 minutes of test data phase measurement.
- (3) An owner or operator demonstrating compliance with the CO concentration or CO percent reduction requirement must



measure CO emissions using one of the CO measurement methods specified in Table 4 of subpart ZZZZ, or using appendix A to subpart ZZZZ.

(4) An owner or operator demonstrating compliance with the THC percent reduction requirement must measure THC emissions using Method 25A, reported as propane, of 40 CFR part 60, appendix A.

(5) The owner or operator must measure O2 using one of the O2 measurement methods specified in Table 4 of subpart ZZZZ. Measurements to determine O2 concentration must be made at the same time as the measurements for CO or THC concentration.

(6) An owner or operator demonstrating compliance with the CO or THC percent reduction requirement must measure CO or THC emissions and O2 emissions simultaneously at the inlet and outlet of the control device.

(7) If the results of the annual compliance demonstration show that the emissions exceed the levels specified in Table 6 of subpart ZZZZ, the stationary RICE must be shut down as soon as safely possible, and appropriate corrective action must be taken (e.g., repairs, catalyst cleaning, catalyst replacement). The stationary RICE must be retested within 7 days of being restarted and the emissions must meet the levels specified in Table 6 of subpart ZZZZ. If the retest shows that the emissions continue to exceed the specified levels, the stationary RICE must again be shut down as soon as safely possible, and the stationary RICE may not operate, except for purposes of startup and testing, until the owner/ operator demonstrates through testing that the emissions do not exceed the levels specified in Table 6 of subpart ZZZZ.

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 62: Treatment of deviations during first 200 hours of operation

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.6640(d), Subpart ZZZZ

Item 62.1:

For new, reconstructed, and rebuild stationary RICE, deviations from the emission or operating limitations that occur during the first 200 hours of operation from engine startup (engine burn-in period) are not violations. Rebuilt stationary RICE means a stationary RICE that has been



rebuilt as the term is defined in 40 CFR 94.11(a).

**Condition 63: Reporting of non-compliance with NESHAP General Provisions
Effective between the dates of 04/01/2015 and 03/31/2020**

Applicable Federal Requirement:40CFR 63.6640(e), Subpart ZZZZ

Item 63.1:

Facility must report each instance in which it did not meet the requirements in Table 8 of 40 CFR 63 Subpart ZZZZ (applicable requirements of 40 CFR 63 Subpart A, General Provisions) that apply to them.

**Condition 64: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020**

Applicable Federal Requirement:40CFR 63.6645(a), Subpart ZZZZ

Item 64.1:

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

Emission Unit: R-24505	
Process: RC5	Emission Source: 0R10A
Emission Unit: R-24505	
Process: RC5	Emission Source: 0R11A

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility must submit all of the notifications in 40 CFR 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to it by the dates specified in those provisions.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 65: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020**

Applicable Federal Requirement:40CFR 63.6645(c), Subpart ZZZZ

Item 65.1:

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

Emission Unit: R-24505	
Process: RC5	Emission Source: 0R10A

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Emission Unit: R-24505

Process: RC5

Emission Source: 0R11A

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A facility that starts up a new or reconstructed stationary RICE with a site rating greater than 500 brake horsepower located at a major source of HAP emissions on or after August 16, 2004, it must submit an Initial Notification not later than 120 days after becoming subject to 40 CFR 63 Subpart ZZZZ.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 66: Compliance Certification

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.6645(e), Subpart ZZZZ

Item 66.1:

The Compliance Certification activity will be performed for the Facility.

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A facility that starts up a new or reconstructed stationary RICE with a site rating less than or equal to 500 brake horsepower located at a major source of HAP emissions on or after March 18, 2008, it must submit an Initial Notification not later than 120 days after becoming subject to 40 CFR 63 Subpart ZZZZ.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 67: Compliance Certification

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.6645(f), Subpart ZZZZ

Item 67.1:

The Compliance Certification activity will be performed for the Facility.

Item 67.2:

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Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the facility is required to submit an Initial Notification but are otherwise not affected by the requirements of this subpart, in accordance with §63.6590(b), the notification should include the information in §63.9(b)(2)(i) through (v), and a statement that the stationary RICE has no additional requirements and explain the basis of the exclusion (for example, that it operates exclusively as an emergency stationary RICE if it has a site rating of more than 500 brake HP located at a major source of HAP emissions).

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 68: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.6645(h)(2), Subpart ZZZZ

Item 68.1:

The Compliance Certification activity will be performed for the Facility.

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A facility that is required to conduct a performance test or other initial compliance demonstration as specified in Tables 4 or 5 of subpart ZZZZ, the facility must submit a Notification of Compliance Status according to 40 CFR 63.9(h)(2)(ii).

For each initial compliance demonstration required in Table 5 of subpart ZZZZ that includes a performance test conducted according to the requirements in Table 4 of subpart ZZZZ, the facility must submit the Notification of Compliance Status, including the performance test results, before the close of business on the 60th day following the completion of the performance test according to 40 CFR 63.10(d)(2).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 69: Compliance reports
Effective between the dates of 04/01/2015 and 03/31/2020



- (6) A breakdown of the total duration of the deviations during the reporting period into those that are due to control equipment problems, process problems, other known causes, and other unknown causes.
- (7) A summary of the total duration of CMS downtime during the reporting period, and the total duration of CMS downtime as a percent of the total operating time of the stationary RICE at which the CMS downtime occurred during that reporting period.
- (8) An identification of each parameter and pollutant (CO or formaldehyde) that was monitored at the stationary RICE.
- (9) A brief description of the stationary RICE.
- (10) A brief description of the CMS.
- (11) The date of the latest CMS certification or audit.
- (12) A description of any changes in CMS, processes, or controls since the last reporting period.

Condition 72: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

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

Item 72.1:

The Compliance Certification activity will be performed for the Facility.

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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



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

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 73: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

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

Item 73.1:

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

Emission Unit: R-24505
Process: RC5

Emission Source: 0R10A

Emission Unit: R-24505
Process: RC5

Emission Source: 0R11A

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

For each CEMS or CPMS, facility must keep the records listed in paragraphs (1) through (3) below.

(1) Records described in 40 CFR 63.10(b)(2)(vi) through (xi).

(2) Previous (i.e., superseded) versions of the performance evaluation plan as required in 40 CFR 63.8(d)(3).

(3) Requests for alternatives to the relative accuracy test for CEMS or CPMS as required in 40 CFR 63.8(f)(6)(i), if applicable.

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 74: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.6660, Subpart ZZZZ

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Item 74.1:

The Compliance Certification activity will be performed for the Facility.

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 75: General provisions

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.6665, Subpart ZZZZ

Item 75.1:

Table 8 of 40 CFR 63 Subpart ZZZZ shows which parts of the General Provisions 40 CFR 63.1 through 40 CFR 63.15 apply to this facility. Facility is responsible for ensuring they comply with all General Provisions contained in Table 8.

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

Condition 76: Emission Point Definition By Emission Unit

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 76.1:

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

Emission Unit: R-24502

Emission Point: R003A

Height (ft.): 29

Diameter (in.): 16



NYTMN (km.): 4746.832 NYTME (km.): 486.357 Building: 1

Emission Point: R004A
Height (ft.): 29 Diameter (in.): 16
NYTMN (km.): 4746.827 NYTME (km.): 486.357 Building: 1

Emission Point: R005A
Height (ft.): 29 Diameter (in.): 16
NYTMN (km.): 4746.82 NYTME (km.): 486.358 Building: 1

Emission Point: R006A
Height (ft.): 29 Diameter (in.): 16
NYTMN (km.): 4746.813 NYTME (km.): 486.359 Building: 1

Emission Point: R007A
Height (ft.): 25 Diameter (in.): 16
NYTMN (km.): 4746.803 NYTME (km.): 486.36 Building: 1

Item 76.2:

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

Emission Unit: R-24503

Emission Point: R008A
Height (ft.): 29 Diameter (in.): 48
NYTMN (km.): 4746.784 NYTME (km.): 486.36 Building: 1

Item 76.3:

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

Emission Unit: R-24504

Emission Point: R009A
Height (ft.): 42 Diameter (in.): 42
NYTMN (km.): 4746.772 NYTME (km.): 486.362 Building: 1

Item 76.4:

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

Emission Unit: R-24505

Emission Point: R010A
Height (ft.): 55 Diameter (in.): 30
NYTMN (km.): 4746.732 NYTME (km.): 486.358 Building: 2

Emission Point: R011A
Height (ft.): 55 Diameter (in.): 30
NYTMN (km.): 4746.717 NYTME (km.): 486.359 Building: 2

Item 76.5:

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



Emission Unit: R-24506

Emission Point: R012A

Height (ft.): 36 Diameter (in.): 18
NYTMN (km.): 4746.794 NYTME (km.): 486.316 Building: 3

Item 76.6:

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

Emission Unit: R-24507

Emission Point: R013A

Height (ft.): 73 Diameter (in.): 52
NYTMN (km.): 4746.783 NYTME (km.): 486.232 Building: 4

Item 76.7:

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

Emission Unit: R-24508

Emission Point: R014A

Height (ft.): 22 Diameter (in.): 26
NYTMN (km.): 4746.787 NYTME (km.): 486.278 Building: 4

Emission Point: R015A

Height (ft.): 22 Diameter (in.): 26
NYTMN (km.): 4746.802 NYTME (km.): 486.274

Condition 77: Process Definition By Emission Unit
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 77.1:

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

Emission Unit: R-24502

Process: RC2 Source Classification Code: 2-01-002-06

Process Description:

Five (5) Worthington UTC-165 Reciprocating compressor engines.

Emission Source/Control: 0R03A - Combustion

Emission Source/Control: 0R04A - Combustion

Emission Source/Control: 0R05A - Combustion

Emission Source/Control: 0R06A - Combustion

Emission Source/Control: 0R07A - Combustion



Item 77.2:

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

Emission Unit: R-24503
Process: RC3 Source Classification Code: 2-01-001-06
Process Description:
This process contains one Worthington ML-12 reciprocating compressor engine. This process will have an end date of 12/31/2015.

Emission Source/Control: 0R08A - Combustion

Item 77.3:

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

Emission Unit: R-24504
Process: RC4 Source Classification Code: 2-01-001-06
Process Description:
Dresser Rand (Clark) Model TLAD-6 reciprocating compressor engine.

Emission Source/Control: 0R09A - Combustion

Item 77.4:

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

Emission Unit: R-24505
Process: RC5 Source Classification Code: 2-02-002-54
Process Description:
Catepillar two 4-stroke lean burn internal combustion engines - natural gas fired.

Emission Source/Control: 0R10A - Combustion
Design Capacity: 3,785 horsepower (mechanical)

Emission Source/Control: 0R11A - Combustion
Design Capacity: 3,785 horsepower (mechanical)

Emission Source/Control: 0R10C - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: 0R11C - Control
Control Type: CATALYTIC OXIDATION

Item 77.5:

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

Emission Unit: R-24506
Process: RC6 Source Classification Code: 2-02-002-54
Process Description:
Catepillar 4-stroke lean burn (4SLB) internal combustion engine. Natural gas fired. Emergency use only with maximum



permitted use of 500 hours/year. Which was operational on 11/15/2007.

Emission Source/Control: 0R12A - Combustion
Design Capacity: 1,148 horsepower (mechanical)

Item 77.6:

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

Emission Unit: R-24507
Process: RC7 Source Classification Code: 2-02-002-01
Process Description:
One natural gas fired Taurus 70 Turbine with a diffusion flame.

Emission Source/Control: 0R13A - Process
Design Capacity: 79 million Btu per hour

Item 77.7:

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

Emission Unit: R-24508
Process: RC8 Source Classification Code: 1-02-006-03
Process Description:
Two 6.3 MMBtu/hr natural gas fired fuel/buuilding comfort heaters. These are associated with psd/nsr analysis.

Emission Source/Control: 0R14A - Combustion
Design Capacity: 6.3 million BTUs per hour

Emission Source/Control: 0R15A - Combustion
Design Capacity: 6.3 million Btu per hour

**Condition 78: Emission Unit Permissible Emissions
Effective between the dates of 04/01/2015 and 03/31/2020**

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 78.1:

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

Emission Unit: R-24507

CAS No: 000630-08-0
Name: CARBON MONOXIDE
PTE(s): 200,000 pounds per year

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 80,000 pounds per year



CAS No: 0NY998-00-0
Name: VOC
PTE(s): 80,000 pounds per year

Condition 79: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement: 6 NYCRR 227-2.5 (c)

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: R-24502

Regulated Contaminant(s):

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

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator shall not cause or allow emissions of NOx in excess of the alternative NOx RACT emission limits for five Worthington UTC-165 lean burn compressor engines of 6 grams/bhp-hr. This limit was requested in a NOx RACT Plan submitted in November 2011, and approved by the department in July 2012. Fuel consumption is monitored as an indicator of the overall status of the combustion unit and the emissions reduction equipment. Compliance tests were conducted to ensure compliance with alternative NOx RACT limits and will be conducted for the alternative revised limit. Best management practices are used to ensure that each engine runs at optimum conditions and does not exceed the alternative NOx RACT limit of 6 grams/brake-horsepower hour. The monitoring outlined below shall insure that this limit is met.

Monitoring shall consist of:

1. An engine analysis program will be performed at least once every 2500 hours of operation. The run hours of the engine will be monitored and recorded on a total monthly basis.
2. The fuel consumption is monitored on an hourly basis and recorded on a daily basis.
3. A Best Management Program (BMP), which will provide data on all the critical operational parameters affecting proper operation of the unit, and therefore emissions.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 80: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:6 NYCRR 227-2.5 (c)

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: R-24502

Regulated Contaminant(s):

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

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner/operator shall not cause or allow emissions of NOx in excess of 6 grams/bhp-hr for each engine in emission unit R24502. An emission test will be conducted once during permit term. The emissions test will be conducted according to 40 CFR 60, appendix A, Method 7,7E or 19, or alternate approved methodology, to verify compliance with the new voluntary NOx RACT limit of 6 grams per brake-horsepower-hour, as stated in the NOx RACT Plan submitted in November 2011, and approved by the department in July 2012.

The testing procedures shall be performed per the provisions of 6 NYCRR Part 227-2.6(c)& Part 202-1. If an alternative methodology is opted for, then a protocol should be submitted to the department for review sixty (60)days prior to the anticipated emissions test date.

Upper Permit Limit: 6 grams per brake horsepower-hour

Reference Test Method: EPA RM 7, 7E, or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 81: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020



Applicable Federal Requirement: 6 NYCRR 227-2.5 (c)

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: R-24503

Regulated Contaminant(s):

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

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator shall not cause or allow emissions of NO_x in excess of the alternative NO_x RACT emission limits for the Worthington ML-12 lean burn compressor engine of 13.3 grams/bhp-hr. This limit was requested in a NO_x RACT plan, initially submitted in November 2011, and approved by the department in July 2012. Fuel consumption is monitored as an indicator of the overall status of the combustion unit and the emissions reduction equipment. Best management practices are used to ensure that each engine runs at optimum conditions and does not exceed the alternative NO_x RACT limit of 13.3 Grams per brake-horsepower-hour. The monitoring outlined below shall insure that these limits are met.

Monitoring shall consist of:

1. An engine analysis program will be performed at least once every 2500 hours of operation. The run hours of the engine will be monitored and recorded on a total monthly basis.
2. The fuel consumption is monitored on an hourly frequency, and recorded on a daily basis.
3. A Best Management Program (BMP), which will provide data on all the critical operational parameters affecting proper operation of the unit, and therefore emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 82: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020



Applicable Federal Requirement:6 NYCRR 227-2.5 (c)

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: R-24503

Regulated Contaminant(s):

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

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner/operator shall not cause or allow emissions of NO_x in excess of the alternative NO_x RACT emission limits for the Worthington ML-12 lean burn compressor engine of 13.3 grams/bhp-hr. This limit was requested in NO_x RACT plan, initially submitted in November 2011, and approved by the department in July 2012. An emission test will be performed once during the term of the permit according to 40 CFR 60, appendix A, Method 7, 7E or 19 or alternate approved methodology, to verify compliance with the alternative NO_x RACT limit of 13.3 grams per brake-horsepower-hour.

The testing procedures shall be performed per the provisions of 6 NYCRR Part 227-2.6(c) & Part 202-1. If an alternative methodology is opted for, then a protocol should be submitted to the Department for review sixty days prior to the anticipated emissions test date.13.

Upper Permit Limit: 13.3 grams per brake horsepower-hour

Reference Test Method: EPA 7, 7E, or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 83: Compliance Certification

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:6 NYCRR 227-2.4 (f) (2)

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: R-24504

Regulated Contaminant(s):

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



Item 83.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator shall not cause or allow emissions of NOx in excess of 1.5 grams/bhp-hr for the Dresser Rand (Clark) Model TLAD-6 engine. Fuel consumption is monitored as an indicator of the overall status of the combustion unit and the emissions reduction equipment. Best management practices are used to ensure that each engine runs at optimum conditions and does not exceed the alternative NOx RACT limit of 1.5 grams/brake-horsepower-hour, as stated in the NOx RACT Plan submitted in November 2011, and approved by the department in July 2012. The monitoring outlined below will insure that these limits are met.

Monitoring shall consist of:

1. An engine analysis program will be performed at least once every 2500 hours. The run hours of this engine will be monitored and recorded on a total monthly basis.
2. The fuel consumption is monitored on an hourly frequency and recorded on a daily basis.
3. A Best Management Program (BMP), which will provide data on all the critical operational parameters affecting proper operation of the unit, and therefore emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 84: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement: 6 NYCRR 227-2.4 (f) (2)

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: R-24504

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Facility DEC ID: 6215600018



Regulated Contaminant(s):

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

Item 84.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner/operator shall not cause or allow emissions of NOx in excess of 1.5 grams/bhp-hr for the Dresser Rand (Clark) Model TLAD-6 engine. This limit was requested in a NOx RACT Plan submitted in November 2011, and approved by the department in July 2012. An emission test will be performed once during the term of the permit, according to 40 CFR 60, appendix A, Method 7, 7E or 19 or alternate approved methodology, to verify compliance with the NOx RACT limit of 1.5 gram/ brake-horsepower-hour.

The testing procedures shall be performed per the provisions of 6 NYCRR Part 227-2.6(c) & Part 202-1. If an alternative methodology is opted for, then a protocol should be submitted to the Department for review 60 days prior to the anticipated emissions test.

Upper Permit Limit: 1.5 grams per brake horsepower-hour

Reference Test Method: Method 7E

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 85: Capping Monitoring Condition

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 85.1:

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

6 NYCRR Subpart 231-2
40 CFR 52.21

Item 85.2:

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

Item 85.3:

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart,



during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 85.4:

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

Item 85.5:

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

Item 85.6:

The Compliance Certification activity will be performed for:

Emission Unit: R-24505

Regulated Contaminant(s):

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

Item 85.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Facility shall not emit NOx in excess of 0.5 grams/bhp-hr for the two Caterpillar G3612 engines of emission unit R24505 (after control equipment) The purpose of the NOx limit is to limit the emissions from the engines below the forty (40) ton significant source project level threshold for 40 CFR Part 52-A21 PSD and 6 NYCRR Part 231-2 New Source Review.

Initial emissions test will be performed no later than 180 days after the first combusting fuel according to 40 CFR 60, appendix A, Method 7,7E or 19, or alternate approved methodology, to verify compliance with the 0.5 gm/brake hp-hr limit.

The testing procedures shall be performed per the provisions of 6 NYCRR Part 227-2.6(c) & Part 202-1. If an alternative methodology is opted for, then a protocol should be submitted to the Department for review sixty days prior to the anticipated emissions test date.

Subsequent emission tests must be performed at least once



during the term of the permit.

Compliance with the limit of this condition will also meet the limit that is required in 6 NYCRR Part 227-2.4(f)(2)(i)(b).

Upper Permit Limit: 0.5 grams per brake horsepower-hour
Reference Test Method: epa rm 7, 7E, 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 86: Capping Monitoring Condition
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 86.1:

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

40 CFR 52.21 (j) (3)

Item 86.2:

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

Item 86.3:

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

Item 86.4:

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

Item 86.5:

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

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Item 86.6:

The Compliance Certification activity will be performed for:

Emission Unit: R-24505

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 86.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Facility shall not emit Carbon Monoxide in excess of 0.20 grams/bhp-hr for either of the two Cat G3612 engines (after the control device) that make up emission unit R24505. The control device was installed to meet requirements of 40 CFR 63 Subpart ZZZZ. The purpose of the CO emission limit is to limit the emissions from the engines below the forty (40) ton per year significant source project level threshold for 40 CFR Part 52-A21 PSD

Initial testing shall be conducted no later than 180 days after first combusting fuel. Testing shall be conducted in accordance with a test protocol that has been approved by the NYSDEC.

Within 60 days of completion of these emissions tests, the facility shall submit to the NYSDEC a report describing the results of such emissions test.

Subsequent performance tests must be conducted as least once during the term of the permit.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.2 grams per brake horsepower-hour

Reference Test Method: Method 10, ASTM D6522-00 or equivalent

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 87: Capping Monitoring Condition

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 87.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to



the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-2

Item 87.2:

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

Item 87.3:

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

Item 87.4:

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

Item 87.5:

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

Item 87.6:

The Compliance Certification activity will be performed for:

Emission Unit: R-24505

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 87.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The control devices for the two engines in emission unit R24505 are required to deliver at least 50% VOC removal efficiency.

The control device was installed to control CO and Formaldehyde, but will also control VOC's. The control of VOC's will reduce the emission rate. The existing facility is a Non-Attainment New Source Review (NNSR) major source for VOC's. The reduction in the VOC



emission rate will reduce the Potential to Emit (PTE) of VOC's of the project to less than the significant source project threshold of 40 Tons per year for 6 NYCRR Part 231-2. Therefore the project would not be an NNSR "major" and would not be subject to 6 NYCRR part 231-2.

Initial testing shall be conducted no later than 180 days after first combusting fuel. Testing shall be conducted in accordance with a test protocol that has been approved by the NYSDEC.

Within 60 days of completion of these emissions tests, the facility shall submit to the NYSDEC a report describing the results of such emissions test.

Subsequent performance tests must be conducted at least once during the term of the permit.

Parameter Monitored: VOC

Lower Permit Limit: 50 percent reduction by volume

Reference Test Method: EPA Method 18 or equivalent

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 88: Capping Monitoring Condition
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 88.1:

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

6 NYCRR Subpart 231-2

Item 88.2:

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

Item 88.3:

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

Item 88.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an

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emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 88.5:

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

Item 88.6:

The Compliance Certification activity will be performed for:

Emission Unit: R-24505

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 88.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Facility shall not emit VOCs in excess of 0.50 grams/bhp-hr for either of the two Cat G3612 engines (after the control device) that make up emission unit R24505. The control device was installed to control CO and formaldehyde. The existing facility is a Non-attainment new source review (NNSR) major source for VOC's. The emission rate will equate to the potential to emit(PTE) of the project to less than the significant source project threshold of 40 tons per year for 6 NYCRR Part 231-2. Therefore the project would not be an NNSR "major" and would not be subject to 6 NYCRR Part 231-2.

Initial testing shall be conducted no later than 180 days after first combusting fuel. Testing shall be conducted in accordance with a test protocol that has been approved by the NYSDEC.

Within 60 days of completion of these emissions tests, the facility shall submit to the NYSDEC a report describing the results of such emissions test.

Subsequent performance tests must be conducted as least once during the term of the permit.

Parameter Monitored: VOC

Upper Permit Limit: 0.50 grams per brake horsepower-hour

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Reference Test Method: EPA Method 18

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 89: General Provisions

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:6 NYCRR 227-1.7

Item 89.1:

This Condition applies to Emission Unit: R-24505

Item 89.2:

(a) Emission data. Any person who owns or operates a stationary combustion installation described in 6 NYCRR Part 227-1 shall provide pertinent data concerning emissions when so requested by the commissioner.

(b) Test methods. Sampling, compositing and analysis of fuel samples shall be carried out in accordance with the most recent ASTM standard methods or equivalent methods acceptable to the commissioner.

Condition 90: Compliance Certification

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.6620(b), Subpart ZZZZ

Item 90.1:

The Compliance Certification activity will be performed for:

Emission Unit: R-24505

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 90.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

For each two-stroke lean burn (2SLB), four-stroke lean burn (4SLB) or compression ignition (CI) stationary reciprocating internal combustion engine (RICE) a performance test for carbon monoxide (CO) along with Oxygen (O₂) must be conducted according to the requirements in 40 CFR 63.7(e)(1) and under the specific conditions that 40 CFR 63 Subpart ZZZZ specifies in Table 4.

Each test must be conducted at any load condition within



plus or minus 10 percent of 100 percent load. CO and O₂ concentration must be measured at both the inlet and outlet of the control device using a portable CO and O₂ analyzer. The CO concentration must be at 15% oxygen (O₂), dry basis.

Facility must conduct three separate test runs for each performance test required by this condition, as specified in 40 CFR 63.7(e)(3). Each test run must last at least 1 hour. Compliance is demonstrated if CO concentration is reduced by 93% or more. Facility must use the following equation from 40 CFR 63.6620(e)(1) to determine compliance with the percent reduction requirement:

$$[(C_i - C_o)] / C_i \times 100 = R$$

Where:

C_i = concentration of CO at the control device inlet,
C_o = concentration of CO at the control device outlet,
and
R = percent reduction of CO emissions.

The initial compliance demonstration must be conducted within 180 days of startup of the RICE. Subsequent performance tests must be conducted semi-annually. After having demonstrated compliance for two consecutive tests, facility may reduce the frequency of subsequent performance tests to annually. If the results of any subsequent annual performance test indicate the stationary RICE is not in compliance with the CO emission limitation, or facility deviates from any operating limitations, facility must resume semi-annual performance tests.

Upper Permit Limit: 93 percent reduction by volume
Reference Test Method: ASTM D6522-00
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 91: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.6640(a), Subpart ZZZZ

Item 91.1:

New York State Department of Environmental Conservation

Permit ID: 6-2156-00018/00021

Facility DEC ID: 6215600018



The Compliance Certification activity will be performed for:

Emission Unit: R-24505

Process: RC5

Item 91.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

A facility complying with the CO reduction limit and using an oxidation catalyst and a continuous parameter monitoring system (CPMS) for a new or reconstructed non-emergency 2-stroke lean burn (2SLB) engine with a site rating greater than 500 brake horsepower located at a major source of HAP emissions will demonstrate continuous compliance if each of the following is met:

- 1) conduct semiannual performance tests for CO;
- 2) demonstrate that the required CO percent reduction is achieved;
- 3) measure the pressure drop across the catalyst once per month;
- 4) demonstrate that the pressure drop across the catalyst is within the operating limitation established during the performance test; and
- 5) keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1).

Parameter Monitored: PRESSURE DROP

Monitoring Frequency: MONTHLY

Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED
RANGE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 0 days after the reporting period.

The initial report is due 6/30/2015.

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

Condition 92: Compliance Certification

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.6640(a), Subpart ZZZZ

Item 92.1:

New York State Department of Environmental Conservation

Permit ID: 6-2156-00018/00021

Facility DEC ID: 6215600018



The Compliance Certification activity will be performed for:

Emission Unit: R-24505

Process: RC5

Item 92.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

A facility complying with the CO reduction limit and using an oxidation catalyst and a continuous parameter monitoring system (CPMS) for a new or reconstructed non-emergency 2-stroke lean burn (2SLB) engine with a site rating greater than 500 brake horsepower located at a major source of HAP emissions will demonstrate continuous compliance if each of the following is met:

- 1) conduct semiannual performance tests for CO;
- 2) demonstrate that the required CO percent reduction is achieved;
- 3) collect the catalyst inlet temperature data according to 40 CFR 63.6625(b);
- 4) reduce these data to 4-hour rolling averages;
- 5) maintain the 4-hour rolling averages within the limitation of greater than or equal to 450 degrees Fahrenheit and less than or equal to 1350 degrees Fahrenheit; and
- 6) keep each record readily accessible in hard copy or electric form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1).

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 450 degrees Fahrenheit

Upper Permit Limit: 1350 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 93: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

New York State Department of Environmental Conservation

Permit ID: 6-2156-00018/00021

Facility DEC ID: 6215600018



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

Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: R-24506

Item 93.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

As proof of exempt eligibility for the Catepillar model 3516 internal combustion engine generator as a emergency generator, the facility must maintain monthly records which demonstrate that the engine is operated less than 500 hours per year, on a 12-month rolling total basis.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 500 hours

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 94: Compliance Certification

Effective between the dates of 04/01/2015 and 03/31/2020

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

KKKK

Item 94.1:

The Compliance Certification activity will be performed for:

Emission Unit: R-24507

Regulated Contaminant(s):

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

Item 94.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

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.

New York State Department of Environmental Conservation

Permit ID: 6-2156-00018/00021

Facility DEC ID: 6215600018



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.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 95: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 60.4330, NSPS Subpart KKKK

Item 95.1:
The Compliance Certification activity will be performed for:

Emission Unit: R-24507

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 95.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

The emission limit for sulfur dioxide from a stationary combustion turbine is 0.060 lb SO₂/MMBtu heat input. If the turbine simultaneously fires multiple fuels, each fuel must meet this requirement.

Parameter Monitored: SULFUR DIOXIDE
Upper Permit Limit: 0.060 pounds per million Btus
Reference Test Method: EPA Method 6C or equivalent
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 96: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

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

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Item 96.1:

New York State Department of Environmental Conservation

Permit ID: 6-2156-00018/00021

Facility DEC ID: 6215600018



The Compliance Certification activity will be performed for:

Emission Unit: R-24507

Regulated Contaminant(s):

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

Item 96.2:

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 tests.

Reference Test Method: EPA Method 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 97: Compliance Certification

Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 60.4365(a), NSPS Subpart

KKKK

Item 97.1:

The Compliance Certification activity will be performed for:

Emission Unit: R-24507

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 97.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

New York State Department of Environmental Conservation

Permit ID: 6-2156-00018/00021

Facility DEC ID: 6215600018



The facility may elect not to monitor the total sulfur content of the fuel combusted in the turbine, if the fuel is demonstrated not to exceed potential sulfur emissions of 26 ng SO2/J (0.060 lb SO2/mmBtu) heat input.

The facility must use the fuel quality characteristics in a current, valid purchase contract, tariff sheet, or transportation contract for the fuel, specifying that:

- 1) The maximum total sulfur content for oil use is 0.05% by weight (500 ppmw) or less, or
- 2) The total sulfur content for natural gas use is 20 grains of sulfur or less per 100 standard cubic feet, or
- 3) Has potential sulfur emissions of less than 26 ng SO2/J (0.060 lb SO2/mmBtu) heat input.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 98: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

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

KKKK

Item 98.1:

The Compliance Certification activity will be performed for:

Emission Unit: R-24507

Regulated Contaminant(s):

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

Item 98.2:

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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 99: Reporting requirements
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 60.4395, NSPS Subpart KKKK

Item 99.1:

This Condition applies to Emission Unit: R-24507

Item 99.2: All reports required under §60.7(c) must be postmarked by the 30th day following the end of each 6-month period.

Condition 100: Test methods for NOx
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 60.4400(a), NSPS Subpart

KKKK

Item 100.1:

This Condition applies to Emission Unit: R-24507

Item 100.2:

The facility must conduct an initial performance test, as required in §60.8. Subsequent performance tests shall be conducted on an annual basis (no more than 14 calendar months following the previous performance test).

Performance tests shall be conducted according to the test methodologies listed in §60.4400(a)(1)-(3) as applicable.

Condition 101: NOx performance testing methodology
Effective between the dates of 04/01/2015 and 03/31/2020

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

KKKK

Item 101.1:

This Condition applies to Emission Unit: R-24507

Item 101.2:

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.

For a combined cycle and CHP turbine systems with supplemental heat (duct burner), the

New York State Department of Environmental Conservation

Permit ID: 6-2156-00018/00021

Facility DEC ID: 6215600018



facility must measure the total NO_x 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 NO_x with no additional post-combustion NO_x 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 NO_x 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 NO_x 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.

Condition 102: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 60.4320, NSPS Subpart KKKK

Item 102.1:

The Compliance Certification activity will be performed for:

Emission Unit: R-24507
Process: RC7

Emission Point: R013A
Emission Source: 0R13A

Item 102.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Tennessee Gas Pipeline Company will monitor and record the number of hours that the turbine operated at temperatures below 0o F during each calendar month. For those hours, Tennessee Gas Pipeline Company will utilize an emissions factor of 42 ppm NO_x in order to calculate the NO_x emissions from the turbine. Tennessee Gas Pipeline Company will also maintain a copy of the manufacturer's Product Information Letter (PIL) 170 – Dated January 27, 2003, which documents that turbine emissions at subzero temperatures meet the 150 ppm NO_x emissions limit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

New York State Department of Environmental Conservation

Permit ID: 6-2156-00018/00021

Facility DEC ID: 6215600018



Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 103: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.7495(a), Subpart DDDDD

Item 103.1:

The Compliance Certification activity will be performed for:

Emission Unit: R-24508
Process: RC8

Item 103.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a new or reconstructed boiler or process heater must comply with subpart DDDDD by January 31, 2013 or upon startup of the boiler or process heater, whichever is later.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 104: Initial compliance date for new sources subject to work practices
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.7510(g), Subpart DDDDD

Item 104.1:

This Condition applies to Emission Unit: R-24508
Process: RC8

Item 104.2:

The owner or operator of a new or reconstructed affected sources (as defined in 40 CFR 63.7490) must demonstrate initial compliance with the applicable work practice standards in Table 3 to subpart DDDDD within the applicable annual, biennial, or 5-year schedule as specified in 40 CFR 63.7540(a) following the initial compliance date specified in 40 CFR 63.7495(a). Thereafter, the owner or operator is required to complete the applicable annual, biennial, or 5-year tune-up as specified in 40 CFR 63.7540(a).

New York State Department of Environmental Conservation

Permit ID: 6-2156-00018/00021

Facility DEC ID: 6215600018



Condition 105: Compliance Certification
Effective between the dates of 04/01/2015 and 03/31/2020

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

Item 105.1:

The Compliance Certification activity will be performed for:

Emission Unit: R-24508

Process: RC8

Item 105.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an industrial, commercial, and institutional boiler or process heater must demonstrate continuous compliance with each emission limit in Tables 1 and 2 or 11 through 13 to subpart DDDDD, the work practice standards in Table 3 to subpart DDDDD, and the operating limits in Table 4 to subpart DDDDD that applies to you according to the methods specified in Table 8 to subpart DDDDD and 40 CFR 63.7540(a)(1) through (19).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 106: New source notification
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable Federal Requirement:40CFR 63.7545(c), Subpart DDDDD

Item 106.1:

This Condition applies to Emission Unit: R-24508
Process: RC8

Item 106.2:

As specified in 40 CFR 63.9(b)(4) and (b)(5), owners and operators that startup a new or reconstructed affected source on or after January 31, 2013 must submit an Initial Notification not later than 15 days after the actual date of startup of the affected source.



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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS
The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 107: Contaminant List
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable State Requirement:ECL 19-0301

Item 107.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000630-08-0
Name: CARBON MONOXIDE



CAS No: 007446-09-5
Name: SULFUR DIOXIDE

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

CAS No: 0NY998-00-0
Name: VOC

Condition 108: Malfunctions and start-up/shutdown activities
Effective between the dates of 04/01/2015 and 03/31/2020

Applicable State Requirement: 6 NYCRR 201-1.4

Item 108.1:

- (a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.
- (b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.
- (c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.
- (d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.
- (e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.



