



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 4-3814-00052/00009
Mod 0 Effective Date: 07/01/2014 Expiration Date: 06/30/2019
Mod 1 Effective Date: 09/25/2017 Expiration Date: 06/30/2019
Mod 2 Effective Date: 11/26/2018 Expiration Date: 06/30/2019
Mod 3 Effective Date: 09/17/2018 Expiration Date: No expiration date.

Permit Issued To: EMPIRE GENERATING CO LLC
75 RIVERSIDE AVE
PO BOX 350
RENSSELAER, NY 12144-0375

Facility: EMPIRE POWER PLANT
75 RIVERSIDE AVE
RENSSELAER, NY 12144

Contact: JANIS FALLON
75 RIVERSIDE AVE
RENSSELAER, NY 12144

Description:
This modification is to increase the carbon monoxide limit for the turbine during startup conditions while firing natural gas. This modification will also increase the ammonia slip limit to 10 ppm while the turbines are firing with fuel oil.

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

Permit Administrator: KATE F KORNAK
NYSDEC - REGION 4
1130 N WESTCOTT RD
SCHENECTADY, NY 12306-2014

Authorized Signature: _____ Date: ___ / ___ / _____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of application for permit modification or renewal-REGION 4 HEADQUARTERS



DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:

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



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

Condition 1-1: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 1-1.1:

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

Item 1-1.2:

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

Item 1-1.3

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

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

Item 4.1:

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

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

**** Facility Level ****

Condition 5: Submission of application for permit modification or renewal-REGION 4 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator

New York State Department of Environmental Conservation
Facility DEC ID: 4381400052



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



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To:EMPIRE GENERATING CO LLC
75 RIVERSIDE AVE
PO BOX 350
RENSSELAER, NY 12144-0375

Facility: EMPIRE POWER PLANT
75 RIVERSIDE AVE
RENSSELAER, NY 12144

Authorized Activity By Standard Industrial Classification Code:
4911 - ELECTRIC SERVICES

Mod 0 Permit Effective Date: 07/01/2014

Permit Expiration Date: 06/30/2019

Mod 1 Permit Effective Date: 09/25/2017

Permit Expiration Date: 06/30/2019

Mod 2 Permit Effective Date: 11/26/2018

Permit Expiration Date: 06/30/2019



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
- 1-1 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR Subpart 201-6: Emission Unit Definition
- 22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 23 6 NYCRR 211.1: Air pollution prohibited
- 24 6 NYCRR 227-1.3: Compliance Certification
- 25 6 NYCRR 231-2.5 (a): Compliance Certification
- 26 6 NYCRR 231-2.5 (a): Compliance Certification
- 27 6 NYCRR 243-1.6 (a): Permit Requirements
- 28 6 NYCRR 243-1.6 (b): Monitoring requirements
- 29 6 NYCRR 243-1.6 (c): NOx Ozone Season Emission Requirements
- 30 6 NYCRR 243-1.6 (d): Excess emission requirements
- 31 6 NYCRR 243-1.6 (e): Recordkeeping and reporting requirements
- 32 6 NYCRR 243-2.1: Authorization and responsibilities of CAIR designated representative
- 33 6 NYCRR 243-2.4: Certificate of representation
- 34 6 NYCRR 243-8.1: General requirements
- 35 6 NYCRR 243-8.1: Prohibitions
- 36 6 NYCRR 243-8.5 (d): Quarterly reports
- 37 6 NYCRR 243-8.5 (e): Compliance certification
- 38 6 NYCRR Subpart 244-1: CAIR NOx Annual Trading Program General Conditions
- 39 6 NYCRR Subpart 244-2: Designated CAIR Representative
- 40 6 NYCRR Subpart 244-8: Compliance Certification
- 41 6 NYCRR Subpart 245-1: CAIR SO2 Trading Program General Provisions



New York State Department of Environmental Conservation

Permit ID: 4-3814-00052/00009

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- 42 6 NYCRR Subpart 245-2: Designated CAIR Representative
 - 43 6 NYCRR Subpart 245-8: Compliance Certification
 - 44 40CFR 52.21(j), Subpart A: Compliance Certification
 - 45 40CFR 52.21(j), Subpart A: Compliance Certification
 - 46 40CFR 52.21(j), Subpart A: Compliance Certification
 - 47 40CFR 52.21(j), Subpart A: Compliance Certification
 - 48 40CFR 52.21(j), Subpart A: Compliance Certification
 - 49 40CFR 52.21(j), Subpart A: Compliance Certification
 - 50 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
 - 51 40CFR 60.12, NSPS Subpart A: Circumvention.
 - 52 40CFR 60.15, NSPS Subpart A: Reconstruction
 - 53 40CFR 60.19, NSPS Subpart A: Changes in time periods for submittal
 - 54 40CFR 60, NSPS Subpart III: Compliance and Enforcement
 - 55 40CFR 60.4206, NSPS Subpart III: Duration of emission standards for
new stationary compression ignition IC engines
 - 56 40CFR 60.4211(a), NSPS Subpart III: Compliance Certification
 - 57 40CFR 60.4211(c), NSPS Subpart III: Compliance Certification
 - 58 40CFR 60.4211(f), NSPS Subpart III: 4211(f)(1) - no time limit for
emergency engines
 - 59 40CFR 60.4211(f), NSPS Subpart III: Compliance Certification
 - 60 40CFR 60.4214(b), NSPS Subpart III: Compliance Certification
 - 61 40CFR 60.4218, NSPS Subpart III: General Provisions
 - 62 40CFR 60.4320(a), NSPS Subpart KKKK: Compliance Certification
 - 63 40CFR 60.4320(a), NSPS Subpart KKKK: Compliance Certification
 - 64 40CFR 60.4330, NSPS Subpart KKKK: Compliance Certification
 - 65 40CFR 60.4330, NSPS Subpart KKKK: Compliance Certification
 - 66 40CFR 63, Subpart ZZZZ: Compliance and Enforcement
 - 67 40CFR 63.6590(c), Subpart ZZZZ: Stationary RICE subject to
Regulations under 40 CFR Part 60
- Emission Unit Level**
- 68 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
 - 69 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=1-CTDBR

- 2-1 6 NYCRR Subpart 201-6: Compliance Certification
- 1-2 6 NYCRR Subpart 201-6: Compliance Certification
- 70 6 NYCRR Subpart 201-6: Compliance Certification
- 71 6 NYCRR Subpart 201-6: Compliance Certification
- 72 6 NYCRR Subpart 201-6: Compliance Certification
- 73 6 NYCRR Subpart 201-6: Compliance Certification
- 74 6 NYCRR Subpart 201-6: Compliance Certification
- 75 6 NYCRR Subpart 201-6: Compliance Certification
- 77 6 NYCRR Subpart 201-6: Compliance Certification
- 80 40CFR 52.21(j), Subpart A: Compliance Certification
- 81 40CFR 52.21(j), Subpart A: Compliance Certification
- 82 40CFR 60.4365(a), NSPS Subpart KKKK: Compliance Certification

EU=1-CTDBR,Proc=C01

- 83 6 NYCRR 231-2.5 (a): Compliance Certification
- 84 6 NYCRR 231-2.5 (a): Compliance Certification
- 85 6 NYCRR 231-2.5 (a): Compliance Certification
- 2-2 40CFR 52.21, Subpart A: Compliance Certification



- 86 40CFR 52.21(j), Subpart A: Compliance Certification
- 87 40CFR 52.21(j), Subpart A: Compliance Certification
- 88 40CFR 52.21(j), Subpart A: Compliance Certification
- 89 40CFR 52.21(j), Subpart A: Compliance Certification
- 90 40CFR 52.21(j), Subpart A: Compliance Certification
- 91 40CFR 52.21(j), Subpart A: Compliance Certification
- 92 40CFR 52.21(j), Subpart A: Compliance Certification
- 93 40CFR 52.21(j), Subpart A: Compliance Certification
- 94 40CFR 52.21(j), Subpart A: Compliance Certification
- 95 40CFR 72.6(a)(3)(i), Subpart A: Applicability of the Title IV Acid Rain Regulations to a "new" generator unit which consists of multiple emission sources.

EU=1-CTDBR,Proc=C02

- 96 6 NYCRR 231-2.5 (a): Compliance Certification
- 97 6 NYCRR 231-2.5 (a): Compliance Certification
- 98 6 NYCRR 231-2.5 (a): Compliance Certification
- 2-3 40CFR 52.21, Subpart A: Compliance Certification
- 99 40CFR 52.21(j), Subpart A: Compliance Certification
- 100 40CFR 52.21(j), Subpart A: Compliance Certification
- 101 40CFR 52.21(j), Subpart A: Compliance Certification
- 102 40CFR 52.21(j), Subpart A: Compliance Certification
- 103 40CFR 52.21(j), Subpart A: Compliance Certification
- 104 40CFR 52.21(j), Subpart A: Compliance Certification
- 105 40CFR 52.21(j), Subpart A: Compliance Certification
- 106 40CFR 52.21(j), Subpart A: Compliance Certification
- 107 40CFR 52.21(j), Subpart A: Compliance Certification
- 108 40CFR 52.21(j), Subpart A: Compliance Certification
- 109 40CFR 52.21(j), Subpart A: Compliance Certification
- 110 40CFR 52.21(j), Subpart A: Compliance Certification

EU=1-CTDBR,Proc=C03

- 111 6 NYCRR 231-2.5 (a): Compliance Certification
- 112 6 NYCRR 231-2.5 (a): Compliance Certification
- 113 6 NYCRR 231-2.5 (a): Compliance Certification
- 2-4 40CFR 52.21, Subpart A: Compliance Certification
- 114 40CFR 52.21(j), Subpart A: Compliance Certification
- 115 40CFR 52.21(j), Subpart A: Compliance Certification
- 116 40CFR 52.21(j), Subpart A: Compliance Certification
- 117 40CFR 52.21(j), Subpart A: Compliance Certification
- 118 40CFR 52.21(j), Subpart A: Compliance Certification
- 119 40CFR 52.21(j), Subpart A: Compliance Certification
- 120 40CFR 52.21(j), Subpart A: Compliance Certification
- 121 40CFR 52.21(j), Subpart A: Compliance Certification
- 122 40CFR 52.21(j), Subpart A: Compliance Certification

EU=1-MISCC

- 123 6 NYCRR 201-3.2 (c) (6): Compliance Certification
- 124 40CFR 52.21(j), Subpart A: Compliance Certification
- 125 40CFR 60.4207(b), NSPS Subpart III: Compliance Certification
- 126 40CFR 60.4207(b), NSPS Subpart III: Compliance Certification
- 127 40CFR 60.4207(b), NSPS Subpart III: Compliance Certification



- 128 40CFR 60.4209(a), NSPS Subpart IIII: Compliance Certification
- 129 40CFR 60.4211(f), NSPS Subpart IIII: Compliance Certification
- 130 40CFR 60.4211(f), NSPS Subpart IIII: Compliance Certification
- 131 40CFR 60.4219, NSPS Subpart IIII: Compliance Certification
- 132 40CFR 60.4219, NSPS Subpart IIII: Compliance Certification

EU=1-MISCC,Proc=C21

- 133 6 NYCRR 231-2.5 (a): Compliance Certification
- 134 6 NYCRR 231-2.5 (a): Compliance Certification
- 135 6 NYCRR 231-2.5 (a): Compliance Certification

EU=1-MISCC,Proc=C21,ES=EDG01

- 136 40CFR 60.4205(b), NSPS Subpart IIII: Compliance Certification

EU=1-MISCC,Proc=C21,ES=FIRE1

- 137 40CFR 60.4205(c), NSPS Subpart IIII: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 138 ECL 19-0301: Contaminant List
- 139 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 140 6 NYCRR 211.2: Visible Emissions Limited
- 141 6 NYCRR 242-1.5: Compliance Demonstration
- 142 6 NYCRR 242-1.5: Compliance Demonstration
- 143 6 NYCRR Subpart 242-4: Compliance Demonstration
- 144 6 NYCRR Subpart 242-8: Compliance Demonstration
- 145 6 NYCRR 242-8.5: Compliance Demonstration



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

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

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

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

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

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

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

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

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

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and



reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

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

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

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

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

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

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

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

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

i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;

ii. The liability of a permittee of the Title V



facility for any violation of applicable requirements prior to or at the time of permit issuance;

iii. The applicable requirements of Title IV of the Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

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

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

i. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the department pursuant to the provisions of section 201- 6.6 of this Subpart.

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

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

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

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

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit



is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item K: Permit Exclusion - ECL 19-0305

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

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 07/01/2014 and 06/30/2019**

Applicable Federal Requirement: 6 NYCRR 200.6

Item 1.1:

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



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

Condition 2: Fees
Effective between the dates of 07/01/2014 and 06/30/2019

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

Item 2.1:

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

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 07/01/2014 and 06/30/2019

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

Item 3.1:

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

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

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

Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 07/01/2014 and 06/30/2019

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

Item 4.1:

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



reports required by the permit.

Condition 5: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

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 1/30/2015.

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

Condition 6: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as



specified in any special permit terms or conditions;
and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – 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
NYSDEC Region 4 Headquarters
1130 North Westcott Road
Schenectady, NY 12306-2014

The address for the BQA is as follows:

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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 1/30/2015.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

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. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

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

Condition 8: Recordkeeping requirements
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

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

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

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

Condition 9: Open Fires - Prohibitions
Effective between the dates of 07/01/2014 and 06/30/2019



Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

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

Item 9.2

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS



SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE

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

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

Condition 10: Maintenance of Equipment
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

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

Condition 11: Recycling and Salvage
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

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

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 07/01/2014 and 06/30/2019

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

Item 13.1:

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



Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 07/01/2014 and 06/30/2019

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

Item 14.1:

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

Condition 15: Requirement to Provide Information
Effective between the dates of 07/01/2014 and 06/30/2019

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 1-1: Right to Inspect
Effective between the dates of 09/25/2017 and 06/30/2019

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

Replaces Condition(s) 16

Item 1-1.1:

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

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

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

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

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



Condition 17: Off Permit Changes

Effective between the dates of 07/01/2014 and 06/30/2019

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

Item 17.1:

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

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

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

Condition 18: Required Emissions Tests

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:

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

Condition 19: Accidental release provisions.

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

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

a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;

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b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:

1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,

2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

Condition 20: Recycling and Emissions Reduction
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

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

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

Condition 21: Emission Unit Definition
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1(From Mod 2):

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

Emission Unit: 1-CTDBR

Emission Unit Description:

This emission unit consists of two combustion turbines (CT) equipped with dry-low NOx combustors. The CT exhaust gases will heat water circulating through the heat recovery steam generators (HRSG's) to produce steam. Each HRSG will contain a natural gas-fired duct burner that can be fired to produce steam in addition to the steam that is generated from the heat contained in the CT exhaust.

Building(s): COGENBLG

Item 21.2(From Mod 0):

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

Emission Unit: 1-MISCC

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Emission Unit Description:

This emission unit consists of miscellaneous regulated sources associated with the combined cycle power generation plant. Sources include a 1000 kW emergency diesel generator (EP00101), a 252 bhp firewater pump (EP00102), and a multi-cell mechanically induced draft wet/dry plume abatement cooling tower.

Building(s): DEMINBLG
OUTSIDE

Condition 22: Progress Reports Due Semiannually
Effective between the dates of 07/01/2014 and 06/30/2019

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

Item 22.1:

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

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

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

Condition 23: Air pollution prohibited
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 211.1

Item 23.1:

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

Condition 24: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

Item 24.2:



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of stationary combustion installations which are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack for each stationary combustion installation which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- date and time of day
- observer's name
- identity of emission point
- weather condition
- was a plume observed?

Incident weather conditions shall be recorded for those days when observations are prohibited. This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence.

The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**** NOTE **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency.

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Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Monitoring Frequency: DAILY

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 1/30/2015.

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

Condition 25: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement: 6 NYCRR 231-2.5 (a)

Item 25.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to meet the LAER (Lowest Achievable Emission Rate) requirements as stated in 231-2.5(a), the total emissions of VOC (as propane) from emission points 0100A and 0100B for the combustion turbines and duct burners shall not exceed 71.1 tons per year rolled daily. Total emissions shall include startup and shutdown emissions.

The daily emissions shall be calculated using daily fuel records and emission factors that are determined during an approved performance test to be completed within the first twelve months of operation.

Records shall include the calculations and supporting data and shall be kept on site and be readily available to the NYSDEC.

Monitoring Frequency: DAILY

Averaging Method: ANNUAL TOTAL ROLLED DAILY



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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 26: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 231-2.5 (a)

Item 26.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

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

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to meet the LAER (Lowest Achievable Emission Rate) requirements as stated in 231-2.5(a), the total emissions of NO_x from emission points 0100A and 0100B for the combustion turbines and duct burners shall not exceed 209.8 tons per year rolled daily. Total emissions shall include startup and shutdown emissions.

The daily emissions shall be calculated using a continuous monitoring system which meets the requirements on 40CFR Part 75.

Records and supporting data shall be kept on site and be readily available to the NYSDEC.

Reference Test Method: 40 CFR 60, App. B & F

Monitoring Frequency: DAILY

Averaging Method: ANNUAL TOTAL ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 27: Permit Requirements
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 243-1.6 (a)

Item 27.1:

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The CAIR designated representative of each CAIR NO_x Ozone Season source shall:

- (i) submit to the department a complete CAIR permit application under section 243-3.3 in accordance with the deadlines specified in section 243-3.2; and
- (ii) submit in a timely manner any supplemental information that the department determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.

The owners and operators of each CAIR NO_x Ozone Season source shall have a CAIR permit issued by the department under Subpart 243-3 for the source and operate the source and the unit in compliance with such CAIR permit.

Condition 28: Monitoring requirements
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 243-1.6 (b)

Item 28.1:

The emissions measurements recorded and reported in accordance with Subpart 243-8 shall be used to determine compliance by each CAIR NO_x Ozone Season source with the CAIR NO_x Ozone Season emissions limitation under subdivision (c) of this section.

Condition 29: NO_x Ozone Season Emission Requirements
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 243-1.6 (c)

Item 29.1:

As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NO_x Ozone Season allowances available for compliance deductions for the control period under section 243-6.5(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_x Ozone Season units at the source, as determined in accordance with Subpart 243-8. The CAIR NO_x ozone season is the period beginning May 1 of a calendar year, except as provided in section 243-1.6(c)(2), and ending on September 30 of the same year, inclusive.

A CAIR NO_x Ozone Season unit shall be subject to the requirements under paragraph (c)(1) of this section for the control period starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under sections 243-8.1(b)(1), (2), (3), or (7) and for each control period thereafter.

A CAIR NO_x Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of this section, for a control period in a calendar year before the year for which the CAIR NO_x Ozone Season allowance was allocated.

CAIR NO_x Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NO_x Ozone Season Allowance Tracking System accounts in accordance with Subparts 243-6, 243-7, and 243-9.

A CAIR NO_x Ozone Season allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO_x Ozone Season Trading Program. No provision of the CAIR NO_x Ozone Season Trading Program, the CAIR permit application, the CAIR permit, or

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an exemption under section 243-1.5 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.

A CAIR NOx Ozone Season allowance does not constitute a property right.

Upon recordation by the Administrator under Subpart 243-6, 243-7, or 243-9, every allocation, transfer, or deduction of a CAIR NOx Ozone Season allowance to or from a CAIR NOx Ozone Season source's compliance account is incorporated automatically in any CAIR permit of the source.

Condition 30: Excess emission requirements
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 243-1.6 (d)

Item 30.1:

If a CAIR NOx Ozone Season source emits nitrogen oxides during any control period in excess of the CAIR NOx Ozone Season emissions limitation, then:

- (1) the owners and operators of the source and each CAIR NOx Ozone Season unit at the source shall surrender the CAIR NOx Ozone Season allowances required for deduction under section 243-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law; and
- (2) each ton of such excess emissions and each day of such control period shall constitute a separate violation of this Subpart, the Act, and applicable State law.

Condition 31: Recordkeeping and reporting requirements
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 243-1.6 (e)

Item 31.1:

Unless otherwise provided, the owners and operators of the CAIR NOx Ozone Season source and each CAIR NOx Ozone Season unit at the source shall keep on site at the source each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time before the end of five years, in writing by the department or the Administrator.

- (i) The certificate of representation under section 243-2.4 for the CAIR designated representative for the source and each CAIR NOx Ozone Season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such five-year period until such documents are superseded because of the submission of a new certificate of representation under section 243-2.4 changing the CAIR designated representative.
- (ii) All emissions monitoring information, in accordance with Subpart 243-8, provided that to the extent that Subpart 243-8 provides for a three-year period for recordkeeping, the three-year period shall apply.
- (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NOx Ozone Season Trading Program.



(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NOx Ozone Season Trading Program or to demonstrate compliance with the requirements of the CAIR NOx Ozone Season Trading Program.

Condition 32: Authorization and responsibilities of CAIR designated representative
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement: 6 NYCRR 243-2.1

Item 32.1:

Except as provided under section 243-2.2, each CAIR NOx Ozone Season source, including all CAIR NOx Ozone Season units at the source, shall have one and only one CAIR designated representative, with regard to all matters under the CAIR NOx Ozone Season Trading Program concerning the source or any CAIR NOx Ozone Season unit at the source.

The CAIR designated representative of the CAIR NOx Ozone Season source shall be selected by an agreement binding on the owners and operators of the source and all CAIR NOx Ozone Season units at the source and shall act in accordance with the certification statement in section 243-2.4(a)(4)(iv).

Upon receipt by the Administrator of a complete certificate of representation under section 243-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR NOx Ozone Season source represented and each CAIR NOx Ozone Season unit at the source in all matters pertaining to the CAIR NOx Ozone Season Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source or unit.

No CAIR permit will be issued, no emissions data reports will be accepted, and no CAIR NOx Ozone Season Allowance Tracking System account will be established for a CAIR NOx Ozone Season unit at a source, until the Administrator has received a complete certificate of representation under section 243-2.4 for a CAIR designated representative of the source and the CAIR NOx Ozone Season units at the source.

Each submission under the CAIR NOx Ozone Season Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR NOx Ozone Season source on behalf of which the submission is made. Each such submission shall include the following certification statement by the CAIR designated representative: "I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

Condition 33: Certificate of representation



Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 243-2.4

Item 33.1:

Unless otherwise required by the department or the Administrator, documents of agreement referred to in the certificate of representation shall not be submitted to the department or the Administrator. Neither the department nor the Administrator shall be under any obligation to review or evaluate the sufficiency of such documents, if submitted.

Condition 34: General requirements

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 243-8.1

Item 34.1:

The owners and operators, and to the extent applicable, the CAIR designated representative, of a CAIR NOx Ozone Season unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in this Subpart and in Subpart H of 40 CFR Part 75. For purposes of complying with such requirements, the definitions in section 243-1.2 and in 40 CFR 72.2 shall apply, and the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be deemed to refer to the terms "CAIR NOx Ozone Season unit," "CAIR designated representative," and "continuous emission monitoring system" (or "CEMS") respectively, as defined in section 243-1.2. The owner or operator of a unit that is not a CAIR NOx Ozone Season unit but that is monitored under 40 CFR 75.72(b)(2)(ii) shall comply with the same monitoring, recordkeeping, and reporting requirements as a CAIR NOx Ozone Season unit.

'Requirements for installation, certification, and data accounting.' The owner or operator of each CAIR NOx Ozone Season unit shall:

- (1) install all monitoring systems required under this Subpart for monitoring NOx mass emissions and individual unit heat input (including all systems required to monitor NOx emission rate, NOx concentration, stack gas moisture content, stack gas flow rate, CO2 or O2 concentration, and fuel flow rate, as applicable, in accordance with 40 CFR 75.71 and 40 CFR 75.72);
- (2) successfully complete all certification tests required under section 243-8.2 and meet all other requirements of this Subpart and 40 CFR Part 75 applicable to the monitoring systems under paragraph (a)(1) of this section; and
- (3) record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section.

Condition 35: Prohibitions

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 243-8.1

Item 35.1:

No owner or operator of a CAIR NOx Ozone Season unit shall use any alternative monitoring

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system, alternative reference method, or any other alternative to any requirement of this Subpart without having obtained prior written approval in accordance with section 243-8.6.

No owner or operator of a CAIR NO_x Ozone Season unit shall operate the unit so as to discharge, or allow to be discharged, NO_x emissions to the atmosphere without accounting for all such emissions in accordance with the applicable provisions of this Subpart and 40 CFR Part 75.

No owner or operator of a CAIR NO_x Ozone Season unit shall disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NO_x mass emissions discharged into the atmosphere or heat input, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of this Subpart and 40 CFR Part 75.

No owner or operator of a CAIR NO_x Ozone Season unit shall retire or permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved monitoring system under this Subpart, except under any one of the following circumstances:

- (i) during the period that the unit is covered by an exemption under section 243-1.5 that is in effect;
- (ii) the owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of this Subpart and 40 CFR Part 75, by the department for use at that unit that provides emission data for the same pollutant or parameter as the retired or discontinued monitoring system; or
- (iii) the CAIR designated representative submits notification of the date of certification testing of a replacement monitoring system for the retired or discontinued monitoring system in accordance with section 243-8.2(d)(3)(i).

Condition 36: Quarterly reports
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement: 6 NYCRR 243-8.5 (d)

Item 36.1:

The CAIR designated representative shall submit quarterly reports, as follows:

If the CAIR NO_x Ozone Season unit is subject to an Acid Rain emissions limitation or a CAIR NO_x emissions limitation or if the owner or operator of such unit chooses to report on an annual basis under this Subpart, the CAIR designated representative shall meet the requirements of Subpart H of 40 CFR Part 75 (concerning monitoring of NO_x mass emissions) for such unit for the entire year and shall report the NO_x mass emissions data and heat input data for such unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with:

- (i) for a unit that commences commercial operation before July 1, 2007, the calendar quarter covering May 1, 2008 through June 30, 2008;
- (ii) for a unit that commences commercial operation on or after July 1, 2007, the calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under section 243-8.1(b), unless that quarter is the third or fourth quarter of 2007 or the first quarter of 2008, in which case reporting shall commence in the

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quarter covering May 1, 2008 through June 30, 2008.

The CAIR designated representative shall submit each quarterly report to the Administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR 75.73(f).

For CAIR NOx Ozone Season units that are also subject to an Acid Rain emissions limitation or the CAIR NOx Annual Trading Program, CAIR SO2 Trading Program, or the Mercury Reduction Program for Coal-Fired Electric Utility Steam Generating Units (6 NYCRR Part 246), quarterly reports shall include the applicable data and information required by Subparts F through I of 40 CFR Part 75 as applicable, in addition to the NOx mass emission data, heat input data, and other information required by this Subpart.

Condition 37: Compliance certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 243-8.5 (e)

Item 37.1:

The CAIR designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

(1) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR Part 75, including the quality assurance procedures and specifications;

(2) for a unit with add-on NOx emission controls and for all hours where NOx data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to 40 CFR Part 75 and the substitute data values do not systematically underestimate NOx emissions; and

(3) for a unit that is reporting on a control period basis under subparagraph (d)(2)(ii) of this section, the NOx emission rate and NOx concentration values substituted for missing data under Subpart D of 40 CFR Part 75 are calculated using only values from a control period and do not systematically underestimate NOx emissions.

Condition 38: CAIR NOx Annual Trading Program General Conditions
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR Subpart 244-1

Item 38.1:

1) As of midnight of March 1, or midnight of the first business day thereafter if March 1 is not a business day, the owners and operators shall hold, in their compliance account, Clean Air Interstate Rule (CAIR) NOx allowances available for compliance deductions for the previous control period (January 1 through December 31), in an amount not less than the total tons of nitrogen oxides emissions from all CAIR NOx units at the source during that control period. A CAIR NOx allowance shall not be deducted for a control period in a calendar year before the year for which the CAIR NOx allowance was allocated. [244-1.6(c)(1), 244-1.2(b)(5),



244-1.2(b)(36), 244-1.6(c)(3)]

2) The owners and operators shall hold in their compliance account, CAIR NO_x allowances available for compliance deductions for the control period starting on the later of January 1, 2009 or the deadline for meeting a CAIR NO_x unit's monitor certification requirements under section 244-8.1(b)(1), (2), or (5) and for each control period thereafter. [244-1.6(c)(2)]

3) If a CAIR NO_x source emits nitrogen oxides during any control period in excess of the CAIR NO_x emissions limitation, the owners and operators of the CAIR NO_x source shall surrender the CAIR NO_x allowances required for deduction under 6NYCRR Part 244-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law. Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this permit, the Act, and applicable State law. [(244-1.6(d)]

4) Unless otherwise provided, the owners and operators of the CAIR NO_x source shall keep on site each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time before the end of five years, in writing by the department or the Administrator: [244-1.6(e)]

(i) The certificate of representation under 6NYCRR Part 244-2.4 for the CAIR designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such five year period until such documents are superseded because of the submission of a new certificate of representation under 6NYCRR Part 244-2.4 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 6NYCRR Part 244-8, provided that to the extent that 6NYCRR Part 244-8 provides for a three year period for recordkeeping, the three year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_x Annual Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NO_x Annual Trading Program or to demonstrate compliance with the requirements of the CAIR NO_x Annual Trading Program.

Condition 39: Designated CAIR Representative
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR Subpart 244-2

Item 39.1:

1) Each Clean Air Interstate Rule (CAIR) NO_x source shall have one CAIR designated representative and may have one alternate representative, as per 6NYCRR Part 244-2.2, with regard to all matters under the CAIR NO_x Annual Trading Program. The CAIR designated representative shall be selected by an agreement binding on the owners and operators of the source and act in accordance with the certification statement in 6NYCRR Part 244-2.4(a)(4)(iv). Upon receipt by the Administrator of a complete certificate of representation under 6NYCRR Part 244-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR NO_x source represented in all matters pertaining to the CAIR NO_x Annual Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding



the source. [244-2.1(a), (b) & (c)]

(2) Each submission under the CAIR NOx Annual Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR NOx source on behalf of which the submission is made. Each such submission shall include the following certification statement by the CAIR designated representative: "I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment." [244-2.1(e)]

Condition 40: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR Subpart 244-8

Item 40.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring and Reporting NOX emissions

(1) The owners and operators, and to the extent applicable, the CAIR designated representative shall comply with all recordkeeping and reporting requirements in this condition, the applicable recordkeeping and reporting requirements under 40 CFR 75, and the requirements of 6NYCRR Part 244-2.1(e)(1).

(2) The CAIR designated representative shall submit quarterly reports of the the NOx mass emissions data and heat input data for each CAIR NOx unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with the calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under 6NYCRR Part 244-8.1(b), unless that quarter is the third or fourth quarter of 2007, in which case reporting shall commence in the quarter covering January 1, 2008 through March 31, 2008.



(3) The CAIR designated representative shall submit each quarterly report to the Administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR 75.73(f).

(4) For CAIR NO_x units that are also subject to an Acid Rain emissions limitation or the CAIR NO_x Ozone Season Trading Program, CAIR SO₂ Trading Program, or the Mercury Reduction Program for Coal-Fired Electric Utility Steam Generating Units (6NYCRR Part 246), quarterly reports shall include the applicable data and information required by Subparts F through I of 40 CFR Part 75 as applicable, in addition to the NO_x mass emission data, heat input data, and other information required by this Subpart.

(5) 'Compliance certification.' The CAIR designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

(i) the monitoring data submitted were recorded in accordance with the applicable requirements of 6NYCRR Part 244 and 40 CFR Part 75, including the quality assurance procedures and specifications; and

(ii) for a unit with add-on NO_x emission controls and for all hours where NO_x data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to 40 CFR Part 75 and the substitute data values do not systematically underestimate NO_x emissions.

(6) Whenever any monitoring system fails to meet the quality-assurance and quality-control requirements or data validation requirements of 40 CFR part 75, data shall be substituted using the applicable missing data procedures in Subpart D or Subpart H of, or appendix D or appendix E to 40 CFR part 75. [244-8.3(a)]

(7) Whenever the owner or operator makes a replacement, modification, or change in any certified continuous emission monitoring system under 6NYCRR Part 244-8.1(a)(1) that may significantly affect the ability of the system to accurately measure or record NO_x mass emissions or heat



input rate or to meet the quality-assurance and quality-control requirements of 40 CFR 75.21 or appendix B to 40 CFR Part 75, the owner or operator shall recertify the monitoring system in accordance with 40 CFR 75.20(b). Furthermore, whenever the owner or operator makes a replacement, modification, or change to the flue gas handling system or the unit's operation that may significantly change the stack flow or concentration profile, the owner or operator shall recertify each continuous emission monitoring system whose accuracy is potentially affected by the change, in accordance with 40 CFR 75.20(b). Examples of changes to a continuous emission monitoring system that require recertification include replacement of the analyzer, complete replacement of an existing continuous emission monitoring system, or change in location or orientation of the sampling probe or site. Any fuel flowmeter system, and any excepted NOx monitoring system under appendix E to 40 CFR part 75, under 6NYCRR Part 244-8.1(a)(1) are subject to the recertification requirements in 40 CFR 75.20(g)(6). [224-8.2(d)(2)

Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL TOTAL
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 41: CAIR SO2 Trading Program General Provisions
Effective between the dates of 07/01/2014 and 06/30/2019**

Applicable Federal Requirement:6 NYCRR Subpart 245-1

Item 41.1:

- 1) As of midnight of March 1, or midnight of the first business day thereafter (if March 1 is not a business day) for a control period, the owners and operators of each Clean Air Interstate Rule (CAIR) SO2 source shall hold, in the source's compliance account, a tonnage equivalent in CAIR SO2 allowances available for compliance deductions for the control period (January 1 through December 31) not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO2 units at the source. A CAIR SO2 allowance shall not be deducted, for compliance with the requirements under paragraph (2) of this section, for a control period in a calendar year before the year for which the CAIR SO2 allowance was allocated. [(245-1.2(b)(5), 245-1.6(c)(1), 245-1.2(b)(36), 245-1.6(c)(3)]
- 2) The owners and operators shall hold in their compliance account, CAIR SO2 allowances available for compliance deductions for the control period starting on the later of January 1, 2010 or the deadline for meeting a CAIR SO2 unit's monitor certification requirements under section 245-8.1(b)(1), (2), or (5) and for each control period thereafter. [245-1.6(c)(2)]
- 3) If a CAIR SO2 source emits sulfur dioxide during any control period in excess of the CAIR



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SO₂ emissions limitation, the owners and operators of the source shall surrender the CAIR SO₂ allowances required for deduction under 6NYCRR Part 245-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law. Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this Subpart, the Act, and applicable State law.
[(245-1.6(d))]

4) Unless otherwise provided, the owners and operators of the CAIR SO₂ source shall keep on site at the source each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time before the end of five years, in writing by the department or the Administrator: [245-1.6(e)]

(i) The certificate of representation under 6NYCRR Part 245-2.4 for the CAIR designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such five-year period until such documents are superseded because of the submission of a new certificate of representation under 6NYCRR Part 245-2.4 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 6NYCRR Part 245-8, provided that to the extent that 6NYCRR Part 245-8 provides for a three-year period for recordkeeping, the three-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR SO₂ Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR SO₂ Trading Program or to demonstrate compliance with the requirements of the CAIR SO₂ Trading Program.

Condition 42: Designated CAIR Representative
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement: 6 NYCRR Subpart 245-2

Item 42.1:

1) Each CAIR SO₂ source shall have one and only one CAIR designated representative and may have one alternate representative, as per 6NYCRR Part 245-2.2, with regard to all matters under the CAIR SO₂ Trading Program. The CAIR designated representative of the CAIR SO₂ source shall be selected by an agreement binding on the owners and operators of the source and all CAIR SO₂ units at the source and shall act in accordance with the certification statement in 6NYCRR Part 245-2.4(a)(4)(iv). Upon receipt by the Administrator of a complete certificate of representation under 6NYCRR Part 245-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR SO₂ source represented and each CAIR SO₂ unit at the source in all matters pertaining to the CAIR SO₂ Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source or unit.
[245-2.1(a), (b) & (c)]

(2) Each submission under the CAIR SO₂ Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR SO₂ source on behalf of which the submission is made. Each such submission shall include the following certification statement by the CAIR designated representative: "I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under



penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment." [245-2.1(e)]

Condition 43: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR Subpart 245-8

Item 43.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring and Reporting SO2 emissions:

1) The owners and operators, and to the extent applicable, the Clean Air Interstate Rule (CAIR) designated representative, of a CAIR SO2 unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in Subpart 6 NYCRR Part 245-8 and in 40 CFR Part 75, Subparts F and G. For purposes of complying with such requirements, the definitions in section 245-1.2 and 40 CFR 72.2 shall apply, and the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be deemed to refer to the terms "CAIR SO2 unit," "CAIR designated representative," and "continuous emission monitoring system" (or "CEMS") respectively, as defined in section 245-1.2. The owner or operator of a unit that is not a CAIR SO2 unit but that is monitored under 40 CFR 75.16(b)(2) shall comply with the same monitoring, recordkeeping, and reporting requirements as a CAIR SO2 unit. [245-8.1]

2)The owner or operator of each CAIR SO2 unit shall:
[245-8.1(a)]

(i) install all monitoring systems required under this Subpart for monitoring SO2 mass emissions and individual unit heat input (including all systems required to monitor SO2 concentration, stack gas moisture content, stack gas flow rate, CO2 or O2 concentration, and fuel flow rate, as



applicable, in accordance with 40 CFR 75.11 and 40 CFR 75.16);

(ii) successfully complete all certification tests required under Part 245-8.2 and meet all other requirements of this section and 40 CFR Part 75 applicable to the monitoring systems under this section; and

(iii) record, report, and quality-assure the data from the monitoring systems under paragraph of this section.

3) The owner or operator shall meet the monitoring system certification and other requirements of section 245-8.1(a)(1) and (2) on or before the following dates.

The owner or operator shall record, report, and quality-assure the data from the monitoring systems under section 245-8.1(a)(1) on and after the following dates. [245-8.1(b)]

(i) For the CAIR SO₂ unit that commences commercial operation before July 1, 2008, by January 1, 2009.

(ii) For the CAIR SO₂ unit that commences commercial operation on or after July 1, 2008, by the later of the following dates: January 1, 2009; or 90 unit operating days or 180 calendar days, whichever occurs first, after the date on which the unit commences commercial operation.

4) Whenever the owner or operator makes a replacement, modification, or change in any certified continuous emission monitoring system under section 245-8.1(a)(1) that may significantly affect the ability of the system to accurately measure or record SO₂ mass emissions or heat input rate or to meet the quality-assurance and quality-control requirements of 40 CFR 75.21 or appendix B to 40 CFR Part 75, the owner or operator shall recertify the monitoring system in accordance with 40 CFR 75.20(b). Furthermore, whenever the owner or operator makes a replacement, modification, or change to the flue gas handling system or the unit's operation that may significantly change the stack flow or concentration profile, the owner or operator shall recertify each continuous emission monitoring system whose accuracy is potentially affected by the change, in accordance with 40 CFR 75.20(b). Examples of changes to a continuous emission monitoring system that require recertification include: replacement of the analyzer, complete replacement of an existing continuous emission monitoring system, or change in location or orientation of the sampling probe or site. Any fuel flowmeter system under section 245-8.1(a)(1) is subject to the recertification requirements in 40 CFR 75.20(g)(6). [245-8.2(d)(2)]

5) Whenever any monitoring system fails to meet the



quality-assurance and quality-control requirements or data validation requirements of 40 CFR Part 75, data shall be substituted using the applicable missing data procedures in Subpart D of or appendix D to 40 CFR Part 75.

[245-8.3(a)]

6) The CAIR designated representative shall comply with all recordkeeping and reporting requirements in section 245-8.3, the applicable recordkeeping and reporting requirements in Subparts F and G of 40 CFR Part 75, and the requirements of section 245-2.1(e)(1).

[245-8.5(a)]

7) The owner or operator of a CAIR SO₂ unit shall comply with requirements of 40 CFR 75.62 for monitoring plans.

[245-8.5(b)]

8) The CAIR designated representative shall submit an application to the department within 45 days after completing all initial certification or recertification tests required under section 245-8.2, including the information required under 40 CFR 75.63. [245-8.5(c)]

]

9) The CAIR designated representative shall submit quarterly reports of the SO₂ mass emissions data and heat input data for each CAIR SO₂ unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with:

[245-8.5(d)(1)]

i) the calendar quarter covering January 1, 2009 through March 31, 2009 for a unit that commences commercial operation before July 1, 2008; or

ii) for a unit that commences commercial operation on or after July 1, 2008, the calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under section 245-8.1(b), unless that quarter is the third or fourth quarter of 2008, in which case reporting shall commence in the quarter covering January 1, 2009 through March 31, 2009.

10) The CAIR designated representative shall submit each quarterly report to the Administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR 75.64. [245-8.5(d)(2)]

11) For CAIR SO₂ units that are also subject to an Acid Rain emissions limitation or the CAIR NO_x Annual Trading Program, CAIR NO_x Ozone Season Trading Program, or the Mercury Reduction Program for Coal-Fired Electric Utility

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Steam Generating Units (6 NYCRR Part 246), quarterly reports shall include the applicable data and information required by Subparts F through I of 40 CFR Part 75 as applicable, in addition to the SO₂ mass emission data, heat input data, and other information required by this Subpart. [245-8.5(d)(3)]

12) The CAIR designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that: [245-8.5(e)]

- i) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR Part 75, including the quality assurance procedures and specifications; and
- ii) for a unit with add-on SO₂ emission controls and for all hours where SO₂ data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to 40 CFR Part 75 and the substitute data values do not systematically underestimate SO₂ emissions.

Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL TOTAL
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2014.
Subsequent reports are due every 3 calendar month(s).

Condition 44: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 44.1:

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

Emission Unit: 1-CTDBR

Regulated Contaminant(s):
CAS No: 007664-93-9 SULFURIC ACID

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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In order to meet the BACT (Best Available Control Technology) requirements as stated in 40CFR52.21, the total emissions of sulfuric acid from emission points 0100A and 0100B for the combustion turbines and duct burners shall not exceed 58.5 tons per year rolled daily. Total emissions shall include startup and shutdown emissions.

The daily emissions shall be calculated using daily fuel use records, fuel sulfur analyses, and emission factors that are determined during an approved performance test to be completed within the first twelve months of operation.

Records shall include the calculations and supporting data and shall be kept on site and be readily available to the NYSDEC.

Reference Test Method: ASTM D4856 -99

Monitoring Frequency: DAILY

Averaging Method: ANNUAL TOTAL ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 45: Compliance Certification

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 45.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to meet the BACT (Best Available Control Technology) requirements as stated in 40CFR52.21, the total emissions of PM-10 from emission points 0100A and 0100B for the combustion turbines and duct burners shall not exceed 244.7 tons per year rolled daily. Total emissions shall include startup and shutdown emissions.

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The daily emissions shall be calculated using daily fuel use records, fuel sulfur analyses, and emission factors that are determined during an approved performance test to be completed within the term of the Title V permit.

Records shall include the calculations and supporting data and shall be kept on site and be readily available to the NYSDEC.

Reference Test Method: Method 5

Monitoring Frequency: DAILY

Averaging Method: ANNUAL TOTAL ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 46: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 46.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to meet the BACT (Best Available Control Technology) requirements as stated in 40CFR52.21, the total emissions of sulfur dioxide from emission points 0100A and 0100B for the combustion turbines and duct burners shall not exceed 148.2 tons per year rolled daily. Total emissions shall include startup and shutdown emissions.

The daily emissions shall be calculated using daily fuel use records, fuel sulfur analyses, and Part 75 Acid Rain Program monitoring software.

Records shall include the calculations and supporting data and shall be kept on site and be readily available to the

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Monitoring Frequency: DAILY
Averaging Method: ANNUAL TOTAL ROLLED DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 47: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 47.1:

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

Emission Unit: 1-CTDBR

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to meet the BACT (Best Available Control Technology) requirements as stated in 40CFR52.21, the total emissions of Particulate Matter (PM) from emission points 0100A and 0100B for the combustion turbines and duct burners shall not exceed 244.7 tons per year rolled daily. Total emissions shall include startup and shutdown emissions.

The daily emissions shall be calculated using daily fuel use records, fuel sulfur analyses, and emission factors that are determined during an approved performance test to be completed within the term of the Title V permit.

Records shall include the calculations and supporting data and shall be kept on site and be readily available to the NYSDEC.

Reference Test Method: Method 5

Monitoring Frequency: DAILY
Averaging Method: ANNUAL TOTAL ROLLED DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.

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

Condition 48: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 48.1:

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

Emission Unit: 1-CTDBR

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to meet the BACT (Best Available Control Technology) requirements as stated in 40CFR52.21, the total emissions of carbon monoxide from emission points 0100A and 0100B for the combustion turbines and duct burners shall not exceed 76.7 tons per year rolled daily. Total emissions shall include startup and shutdown emissions.

The daily emissions shall be determined using the heat input values determined by Part 75 and by using the CO concentrations as measured using Part 60.

Records shall include the calculations and supporting data and shall be kept on site and be readily available to the NYSDEC.

Monitoring Frequency: DAILY
Averaging Method: ANNUAL TOTAL ROLLED DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 49: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 49.1:

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

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Emission Unit: 1-CTDBR

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to meet the BACT (Best Available Control Technology) requirements as stated in 40CFR52.21, the total emissions of ammonia from emission points 0100A and 0100B for the combustion turbines and duct burners shall not exceed 110.9 tons per year rolled daily. Total emissions shall include startup and shutdown emissions.

The daily emissions shall be determined using the heat input calculated using the methods in Part 75 and using the calculated ammonia concentration. A surrogate system for direct ammonia slip monitoring continuously monitors NOx before and after the SCR and continuously monitors the ammonia feed rate and calculates ammonia slip concentration after the SCR.

Records shall include the calculations and supporting data and shall be kept on site and be readily available to the NYSDEC.

Monitoring Frequency: DAILY

Averaging Method: ANNUAL TOTAL ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 50: EPA Region 2 address.

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 50.1:

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

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



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

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

Condition 51: Circumvention.

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 51.1:

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

Condition 52: Reconstruction

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 60.15, NSPS Subpart A

Item 52.1:

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

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



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Condition 53: Changes in time periods for submittal
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 60.19, NSPS Subpart A

Item 53.1:

Changes in time periods for submittal of information and postmark deadlines set forth in 40 CFR 60, Subpart A, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19.

Condition 54: Compliance and Enforcement
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 60, NSPS Subpart III

Item 54.1:

The Department has not accepted delegation of 40 CFR Part 60 Subpart III. Any questions concerning compliance and/or enforcement of this regulation should be referred to USEPA Region 2, 290 Broadway, 21st Floor, New York, NY 10007-1866; (212) 637-4080. Should the Department decide to accept delegation of 40 CFR Part 60 Subpart III during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.

**Condition 55: Duration of emission standards for new stationary
compression ignition IC engines**
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 60.4206, NSPS Subpart III

Item 55.1:

Owners and operators of stationary combustion ignition internal combustion engine (CI ICE) must operate and maintain the stationary CI ICE that achieve the emission standards as required in §§60.4204 and 60.4205 over the entire life of the engine.

Condition 56: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 60.4211(a), NSPS Subpart III

Item 56.1:

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

Emission Unit: 1-MISCC
Process: C21

Emission Source: EDG01

Emission Unit: 1-MISCC
Process: C21

Emission Source: FIRE1

Item 56.2:

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Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary CI internal combustion engine must comply with the emission standards specified in 40 CFR 60 Subpart IIII and must do all of the following:

- (1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;
- (2) Change only those emission-related settings that are permitted by the manufacturer; and
- (3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to the facility

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 57: Compliance Certification

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 60.4211(c), NSPS Subpart IIII

Item 57.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MISCC

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in §60.4204(b) or §60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in §60.4205(c), must comply by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum (or in the

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case of fire pumps, NFPA nameplate) engine power.

The engine must be installed and configured according to the manufacturer's specifications.

The manufacturer's certification of compliance with the emission standards specified in 40 CFR 60 Subpart IIII for major pollutants will be sent to the Department prior to commencement of operation of the engines.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

**Condition 58: 4211(f)(1) - no time limit for emergency engines
Effective between the dates of 07/01/2014 and 06/30/2019**

Applicable Federal Requirement:40CFR 60.4211(f), NSPS Subpart IIII

Item 58.1:

This Condition applies to:

Emission Unit: 1MISCC

Process: C21

Item 58.2:

There is no time limit on the use of emergency stationary ICE in emergency situations unless otherwise prohibited by other permit conditions.

**Condition 59: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019**

Applicable Federal Requirement:40CFR 60.4211(f), NSPS Subpart IIII

Item 59.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MISCC

Process: C21

Regulated Contaminant(s):

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

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



If the facility owns or operates an emergency stationary ICE, the facility must operate the emergency stationary ICE according to the requirements in 40 CFR Part 60.4211(f)(1)-(3). In order for the engine to be considered an emergency stationary ICE, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in 40 CFR Part 60.4211(f)(1)-(3), is prohibited. If the facility does not operate the engine according to the requirements in 40 CFR Part 60.4211(f)(1)-(3), the engine will not be considered an emergency engine under this condition and must meet all requirements in 40 CFR Part 60, Subpart IIII for non-emergency engines.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 60: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 60.4214(b), NSPS Subpart IIII

Item 60.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MISCC

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For stationary CI internal combustion engines that are emergency stationary internal combustion engines, the owner or operator is not required to submit an initial notification.

Starting with the model years in table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter.

The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 61: General Provisions

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 60.4218, NSPS Subpart III

Item 61.1:

Table 8 of Subpart III shows which parts of the general provisions in §§60.1-60.19 (Subpart A) apply to any facility that is subject to 40 CFR 60, Subpart III.

Condition 62: Compliance Certification

Effective between the dates of 07/01/2014 and 06/30/2019

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

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Item 62.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CTDBR

Process: C02

Regulated Contaminant(s):

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

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For a facility with a combustion turbine that meets the following criteria:

- 1) Commences construction after February 18, 2005,
- 2) Firing fuels other than natural gas, and
- 3) If the combustion turbine heat input at peak load (HHV) is greater than or equal to 850 mmBtu/hr -

The facility must not exceed the NOx emission standard of 42 ppm at 15% O2.

Compliance with this emission standard shall be determined through the use of a continuous emissions monitor as stated in §60.4335(b)(1), operated according to the

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requirements in §60.4345, and then compared to the emission limit as stated in §60.4350.

Manufacturer Name/Model Number: TAPI / 200 EM

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 42 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: Part 60 App. B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 63: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

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

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Item 63.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CTDBR

Process: C01

Emission Unit: 1-CTDBR

Process: C03

Regulated Contaminant(s):

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

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For a facility with a combustion turbine that meets the following criteria:

- 1) Commences construction after February 18, 2005,
- 2) Firing natural gas, and
- 3) If the combustion turbine heat input at peak load (HHV) is greater than or equal to 850 mmBtu/hr -

The facility must not exceed the NO_x emission standard of 15 ppm at 15% O₂.

Compliance with this emission standard shall be determined through the use of a continuous emissions monitor as



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stated in §60.4335(b)(1), operated according to the requirements in §60.4345, and then compared to the emission limit as stated in §60.4350.

Manufacturer Name/Model Number: TAPI / 200 EM

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 15 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: Part 60 App. B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 64: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 60.4330, NSPS Subpart KKKK

Item 64.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CTDBR

Process: C01

Emission Unit: 1-CTDBR

Process: C03

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 64.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must not burn in any stationary combustion turbine any fuel which contains total potential sulfur emissions in excess of 0.06 lb of sulfur dioxide/mmBtu of heat input. If the turbine simultaneously fires multiple fuels, each fuel must meet this requirement.

Compliance with this limit when burning fuel oil shall be demonstrated through the measurement of sulfur contained in the fuel prior to combustion. Performance tests must be performed according to the methods described in §60.4415.



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For fuel oil, use one of the total sulfur sampling options and the associated sampling frequency described in sections 2.2.3, 2.2.4.1, 2.2.4.2, and 2.2.4.3 of appendix D to 40 CFR Part 75 (i.e. , flow proportional sampling, daily sampling, sampling from the unit's storage tank after each addition of fuel to the tank, or sampling each delivery prior to combining it with fuel oil already in the intended storage tank).

Process Material: FUEL OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: .06 pounds per million Btus

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 65: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 60.4330, NSPS Subpart KKKK

Item 65.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CTDBR

Process: C01

Emission Unit: 1-CTDBR

Process: C03

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 65.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must not burn in any stationary combustion turbine any fuel which contains total potential sulfur emissions in excess of 0.06 lb of sulfur dioxide/mmBtu of heat input. If the turbine simultaneously fires multiple fuels, each fuel must meet this requirement.

Compliance with this limit shall be demonstrated through the measurement of sulfur contained in the fuel prior to



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combustion. Performance tests must be performed according to the methods described in §60.4415. The facility may elect to seek an exemption from sulfur monitoring according to the provisions listed in §60.4365 which states that the facility must provide a current, valid purchase contract, tariff sheet, or transportation contract which specifies that the maximum total sulfur content for natural gas is less than 20 grains of sulfur/100 scf of natural gas.

Process Material: NATURAL GAS
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 20 grains per 100 scf
Monitoring Frequency: DAILY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 66: Compliance and Enforcement
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 66.1:
The Department has not accepted delegation of 40 CFR Part 63 Subpart ZZZZ. Any questions concerning compliance and/or enforcement of this regulation should be referred to USEPA Region 2, 290 Broadway, 21st Floor, New York, NY 10007-1866; (212) 637-4080. Should the Department decide to accept delegation of 40 CFR Part 63 Subpart ZZZZ during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.

Condition 67: Stationary RICE subject to Regulations under 40 CFR Part 60

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 63.6590(c), Subpart ZZZZ

Item 67.1:
This Condition applies to:

Emission Unit: 1MISCC Emission Point: 00102
Process: C21 Emission Source: EDG01

Emission Unit: 1MISCC Emission Point: 00102

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Process: C21

Emission Source: FIRE1

Item 67.2:

An affected source that meets any of the criteria listed below must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.

- new or reconstructed stationary RICE located at an area source,
- new or reconstructed 2SLB stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions,
- new or reconstructed 4SLB stationary RICE with a site rating of less than 250 brake horsepower located at a major source of HAP emissions,
- new or reconstructed spark ignition 4 stroke rich burn (4SRB) stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions,
- new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis,
- new or reconstructed emergency or limited use stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions,
- new or reconstructed compression ignition (CI) stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions.

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

**Condition 68: Emission Point Definition By Emission Unit
Effective between the dates of 07/01/2014 and 06/30/2019**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 68.1(From Mod 0):

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

Emission Unit: 1-CTDBR

Emission Point: 0100A

Height (ft.): 248 Diameter (in.): 228
NYTMN (km.): 4720.007 NYTME (km.): 602.613 Building: OUTSIDE

Emission Point: 0100B

Height (ft.): 248 Diameter (in.): 228
NYTMN (km.): 4719.998 NYTME (km.): 602.65 Building: OUTSIDE

Item 68.2(From Mod 0):

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

Emission Unit: 1-MISCC



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Emission Point: 00101
Height (ft.): 76 Diameter (in.): 20
NYTMN (km.): 4720.023 NYTME (km.): 602.689 Building: OUTSIDE

Emission Point: 00102
Height (ft.): 16 Diameter (in.): 6
NYTMN (km.): 4720.02 NYTME (km.): 602.69 Building: DEMINBLG

Emission Point: 00105
Height (ft.): 70 Diameter (in.): 1375
NYTMN (km.): 4719.93 NYTME (km.): 602.74 Building: OUTSIDE

Condition 69: Process Definition By Emission Unit
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 69.1(From Mod 2):

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

Emission Unit: 1-CTDBR
Process: C01 Source Classification Code: 2-01-002-09
Process Description:

This process consists of one or two combustion turbines (CTRB1 and/or CTRB2) firing natural gas. Each combustion turbine is equipped with dry low NOx combustors. Nitrogen oxides are further controlled with the use of selective catalytic reduction (SCR01 and SCR02). Carbon monoxide and VOC are controlled with oxidation catalyst (OXCT1 and OXCT2).

Emission Source/Control: CTRB1 - Combustion
Design Capacity: 2,099 million Btu per hour

Emission Source/Control: CTRB2 - Combustion
Design Capacity: 2,099 million Btu per hour

Emission Source/Control: OXCT1 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: OXCT2 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SCR02 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 69.2(From Mod 2):

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



Emission Unit: 1-CTDBR
Process: C02 Source Classification Code: 2-01-001-09

Process Description:

This process consists of one or two combustion turbines (CTRB1 and/or CTRB2) firing low sulfur distillate oil. Nitrogen oxides are controlled during oil firing by water injection and selective catalytic reduction (SCR01 and SCR02). Carbon monoxide and VOC are controlled with oxidation catalyst (OXCT1 and OXCT2). The combustion turbines are required to fire low sulfur distillate oil with a maximum sulfur content of 0.0015% sulfur.

Emission Source/Control: CTRB1 - Combustion
Design Capacity: 2,099 million Btu per hour

Emission Source/Control: CTRB2 - Combustion
Design Capacity: 2,099 million Btu per hour

Emission Source/Control: OXCT1 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: OXCT2 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SCR02 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 69.3(From Mod 2):

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

Emission Unit: 1-CTDBR
Process: C03 Source Classification Code: 2-01-002-09

Process Description:

This process consists of one or two combustion turbines/heat recovery steam generator trains (CTRB1/DBRN1 and/or CTRB2/DBRN2) firing natural gas in both the combustion turbine and duct burner. Each combustion turbine is equipped with dry low NO_x combustors. In addition, nitrogen oxides are further controlled with the use of selective catalytic reduction (SCR01 and SCR02). Carbon monoxide and VOC are controlled with oxidation catalysts (OXCT1 and OXCT2).

Emission Source/Control: CTRB1 - Combustion
Design Capacity: 2,099 million Btu per hour

Emission Source/Control: CTRB2 - Combustion
Design Capacity: 2,099 million Btu per hour

New York State Department of Environmental Conservation

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Emission Source/Control: DBRN1 - Combustion
Design Capacity: 646 million Btu per hour

Emission Source/Control: DBRN2 - Combustion
Design Capacity: 646 million Btu per hour

Emission Source/Control: OXCT1 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: OXCT2 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SCR02 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 69.4(From Mod 1):

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

Emission Unit: 1-CTDBR

Process: C04

Source Classification Code: 2-01-001-09

Process Description:

THIS PROCESS CONSISTS OF ONE OR TWO COMBUSTION TURBINES/HEAT RECOVERY STEAM GENERATOR TRAINS (CTRB1/DBRN1 AND CTRB2/DBRN2) FIRING LOW SULFUR DISTILLATE OIL IN BOTH THE COMBUSTION TURBINE(S) AND DUCT BURNER(S). NITROGEN OXIDES ARE CONTROLLED DURING DISTIL LATE FIRING WITH WATER INJECTION AND SELECTIVE CATALYTIC OXIDATION (SCR01 AND SCR02). CARBON MONOXIDE AND VOC ARE CONTROLLED WITH OXIDATION CATALYST (OXCT1 AND OXCT2). THESE COMBUSTION TURBINES ARE REQUIRED TO FIRE A LOW SULFUR DISTILLATE OIL (0.05% SUL FUR).

Emission Source/Control: CTRB1 - Combustion
Design Capacity: 2,099 million Btu per hour

Emission Source/Control: CTRB2 - Combustion
Design Capacity: 2,099 million Btu per hour

Emission Source/Control: DBRN1 - Combustion
Design Capacity: 646 million Btu per hour

Emission Source/Control: DBRN2 - Combustion
Design Capacity: 646 million Btu per hour

Emission Source/Control: OXCT1 - Control

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Control Type: CATALYTIC OXIDATION

Emission Source/Control: OXCT2 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SCR02 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 69.5(From Mod 0):

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

Emission Unit: 1-MISCC
Process: C21 Source Classification Code: 2-01-001-02
Process Description:

This process is the combustion of diesel fuel oil in a 1,000 kW emergency diesel generator (EDG01), used to provide electrical power to critical systems in the event of a power failure, and a 252 hp firewater pump engine (FIRE1). This process only operates during emergencies and for brief periods during non-emergency periods in order to perform maintenance of the equipment.

Emission Source/Control: EDG01 - Combustion
Design Capacity: 1,000 kilowatts

Emission Source/Control: FIRE1 - Combustion
Design Capacity: 252 horsepower (mechanical)

Item 69.6(From Mod 0):

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

Emission Unit: 1-MISCC
Process: C24 Source Classification Code: 3-85-882-01
Process Description:

This process is for the wet/dry, induced draft, plume abatement cooling tower that is used to provide cooling water for the condenser. The cooling tower components include a basin, fans, fan decks, drift eliminators, fill material (baffles), and dry coil.

Emission Source/Control: CTWR1 - Process

Condition 2-1: Compliance Certification
Effective between the dates of 11/26/2018 and 06/30/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Replaces Condition(s) 78

Item 2-1.1:

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Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052



The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 2-1.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall install, calibrate, maintain, and operate a continuous emissions monitor for carbon monoxide (CO) and shall limit the emissions of CO during periods of startup to no more than 1000 pounds for the entire startup event (not to exceed 6 hours per startup) while firing natural gas.

Emissions in excess of this limit shall be reported through the facility's excess emissions report. All records shall be maintained by the facility for a minimum of five years.

Manufacturer Name/Model Number: TAPI / 300EM

Upper Permit Limit: 1000 pounds

Reference Test Method: PART 60 APP B AND F

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 1-2: Compliance Certification

Effective between the dates of 09/25/2017 and 06/30/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Replaces Condition(s) 76

Item 1-2.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

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

Item 1-2.2:

Compliance Certification shall include the following monitoring:



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Permit ID: 4-3814-00052/00009

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

Monitoring Description:

Startup is defined as the period from the point when the flame is initiated to when the combustion turbine has reached 50% load or greater and has been in compliance with NOx, NH3, and CO steady-state permit limits for five consecutive minutes, or when the turbine is brought back to above 50% load from its lowest load after a trip occurrence, not to exceed six hours per occurrence. During a trip occurrence, only the time from when the turbine starts increasing load until the combustion turbine has reached 50% load or greater and has been in compliance with NOx, NH3, and CO steady state permit limits for five consecutive minutes is considered a startup period. Shutdown limits shall apply to each turbine.

The facility shall record the date and time of each startup event. A report consisting of the recorded information shall be submitted to the Department with the facility's required excess emissions report. All records shall be maintained and readily available for a minimum of five years.

Parameter Monitored: DURATION OF START UP

Upper Permit Limit: 6 hours

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

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

Condition 70: Compliance Certification

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE
CAS No: 0NY210-00-0 OXIDES OF NITROGEN
CAS No: 007664-41-7 AMMONIA

Item 70.2:

Compliance Certification shall include the following monitoring:

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Permit ID: 4-3814-00052/00009

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall collect and submit to the Department data for at most 15 start-up and 15 shutdown events when firing oil in the combustion turbine. If deemed necessary by the Department after reviewing the submitted data, the permittee shall submit a permit modification to establish enforceable combustion turbine start-up and shutdown emission rates for CO, NOx, and ammonia and, if requested by the Department, confirm that such established rates will not result in a violation of applicable national ambient air quality standards(NAAQS).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 71: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

CAS No: 000630-08-0	CARBON MONOXIDE
CAS No: 007664-41-7	AMMONIA
CAS No: 0NY210-00-0	OXIDES OF NITROGEN

Item 71.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Shutdown is defined as the period from the point when the stop signal is initiated until the flame is extinguished in the combustion turbine, or when the turbine trips and the turbine load momentarily drops below 50% load before being brought back to above 50% load, not to exceed one hour per occurrence. Shutdown limits shall apply to each turbine.

The facility shall record the date and time of each shutdown event. During a turbine trip occurrence only the time from when the turbine trips to when the turbine reaches its lowest load before being brought back to above 50% load is considered a shutdown period. A report

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consisting of the recorded information shall be submitted to the Department with the facility's required excess emissions report. All records shall be maintained and readily available for a minimum of five years.

Parameter Monitored: DURATION OF SHUTDOWN

Upper Permit Limit: 1 hours

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 72: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

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

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall install, calibrate, maintain, and operate a continuous emissions monitor for nitrogen oxides (NOx) and shall limit the emissions of NOx during periods of shutdown to no more than 100 pounds for the entire shutdown event (not to exceed 1 hour per shutdown) while firing natural gas.

Emissions in excess of this limit shall be reported through the facility's excess emissions report. All records shall be maintained by the facility for a minimum of five years.

Manufacturer Name/Model Number: TAPI / 200EM

Upper Permit Limit: 100 pounds

Reference Test Method: PART 60 APP B AND F

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER
OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Permit ID: 4-3814-00052/00009

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Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 73: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall install, calibrate, maintain, and operate a continuous emissions monitor for carbon monoxide (CO) and shall limit the emissions of CO during periods of shutdown to no more than 75 pounds for the entire shutdown event (not to exceed 1 hour per shutdown) while firing natural gas.

Emissions in excess of this limit shall be reported through the facility's excess emissions report. All records shall be maintained by the facility for a minimum of five years.

Manufacturer Name/Model Number: TAPI / 300EM

Upper Permit Limit: 75 pounds

Reference Test Method: PART 60 APP B AND F

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 74: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 74.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052



Emission Unit: 1-CTDBR

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall continuously monitor for ammonia (NH₃) and shall limit the emissions of NH₃ during periods of startup to no more than 100 pounds while firing natural gas. A surrogate system for direct ammonia slip monitoring continuously monitors NO_x before and after the SCR and continuously monitors the ammonia feed rate and calculates ammonia slip concentration after the SCR.

Emissions in excess of this limit shall be reported through the facility's excess emissions report. All records shall be maintained by the facility for a minimum of five years.

Manufacturer Name/Model Number: Calculated
Upper Permit Limit: 100 pounds
Reference Test Method: PART 75
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 75: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

Item 75.2:

Compliance Certification shall include the following monitoring:

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Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall install, calibrate, maintain, and operate a continuous emissions monitor for ammonia (NH₃) and shall limit the emissions of NH₃ during periods of shutdown to no more than 20 pounds for the entire shutdown event (not to exceed 1 hour per shutdown) while firing natural gas.

Emissions in excess of this limit shall be reported through the facility's excess emissions report. All records shall be maintained by the facility for a minimum of five years.

Manufacturer Name/Model Number: Calculated

Upper Permit Limit: 20 pounds

Reference Test Method: PART 60 APP B AND F

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 77: Compliance Certification

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

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

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall install, calibrate, maintain, and operate a continuous emissions monitor for nitrogen oxides (NO_x) and shall limit the emissions of NO_x during periods of startup to no more than 1000 pounds for the entire startup event (not to exceed 6 hours per startup) while firing natural gas.

Emissions in excess of this limit shall be reported through the facility's excess emissions report. All



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records shall be maintained by the facility for a minimum of five years.

Manufacturer Name/Model Number: TAPI / 200EM
Upper Permit Limit: 1000 pounds
Reference Test Method: PART 60 APP B AND F
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 80: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 80.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE
CAS No: 007446-09-5 SULFUR DIOXIDE
CAS No: 0NY075-00-5 PM-10
CAS No: 0NY075-00-0 PARTICULATES

Item 80.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each combustion turbine train, the duct burner may not operate unless the combustion turbine is at 70% load. The minimum allowable continuous load during normal operation for each duct burner is 10% during firing of natural gas. The turbine and duct burner loads shall be continuously monitored to demonstrate compliance with this requirement.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 81: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

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Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

CAS No: 000630-08-0	CARBON MONOXIDE
CAS No: 007446-09-5	SULFUR DIOXIDE
CAS No: 0NY075-00-5	PM-10
CAS No: 0NY075-00-0	PARTICULATES

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The minimum allowable continuous load during normal operation for the combustion turbine during the firing of natural gas is 50%. The turbine load shall be continuously recorded to demonstrate compliance with this requirement.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 82: Compliance Certification

Effective between the dates of 07/01/2014 and 06/30/2019

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

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Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

CAS No: 007446-09-5	SULFUR DIOXIDE
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Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 83: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement: 6 NYCRR 231-2.5 (a)

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Process: C01

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 83.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC emissions from process C01 shall not exceed 1.0 ppmvd at 15% oxygen, including during periods of startup or shutdown in order to comply with the lowest achievable emission rate (LAER) requirements. This emission limit is met through the application of an oxidation catalyst. A compliance stack test shall be performed within 180 days of combustion turbine startup. Stack testing using the appropriate Part 60 test methods at steady state will demonstrate compliance with permit limits.

Proper operation of the oxidation catalyst shall be demonstrated on a continuous basis through a carbon monoxide continuous monitoring device required elsewhere in this permit.

Upper Permit Limit: 1.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: EPA Methods 25A, 18, and/or 320



New York State Department of Environmental Conservation

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 84: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 231-2.5 (a)

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Process: C01

Regulated Contaminant(s):

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

Item 84.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOx emissions from process C01 shall not exceed 2.0 ppmvd at 15% oxygen, except during periods of startup or shutdown, in order to comply with the lowest achievable emission rate (LAER) requirements. This emission limit is met through the application of dry low-NOx combustors and selective catalytic reduction and shall demonstrate compliance with the limit through the use of a continuous emissions monitoring device which shall be operated and maintained according to the provisions in 40 CFR Part 75.

Manufacturer Name/Model Number: TAPI / 200 EM

Upper Permit Limit: 2.0 parts per million by volume
(dry, corrected to 15% O2)

Reference Test Method: PART 60 APP B AND F

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 85: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 231-2.5 (a)

Item 85.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052



Emission Unit: 1-CTDBR
Process: C01

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

Item 85.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOx emissions from process C01 shall not exceed 14.59 lb/hr for each turbine, except during periods of startup or shutdown in order to comply with the best available control technology (BACT) requirements as listed in 6 NYCRR Part 231. This emission limit is met through the application of selective catalytic reduction and the limit will be continuously measured using a continuous emissions monitor which will be operated and maintained according to the provisions in Part 75.

Manufacturer Name/Model Number: TAPI / 200 EM

Upper Permit Limit: 14.59 pounds per hour

Reference Test Method: Part 60 APP B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 2-2: Compliance Certification

Effective between the dates of 11/26/2018 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 2-2.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C01

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

Item 2-2.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia emissions from the combustion turbine trains

New York State Department of Environmental Conservation

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052



shall not exceed 5.0 ppmvd at 15% oxygen, except during periods of startup or shutdown, as good operating practice for the selective catalytic reduction (SCR) required for NO_x LAER and BACT. A continuous emissions monitoring system shall be used to determine compliance with this limit. A surrogate system for direct ammonia slip monitoring continuously monitors NO_x before and after the SCR and continuously monitors the ammonia feed rate. Ammonia slip concentration after the SCR is calculated utilizing the following equation:

$$\text{NH}_3\text{Adj.} = ((A - (B * C / 1,000,000)) * (1,000,000 / B)) * D$$

Where,

NH₃Adj. = NH₃, ppmvd
A = NH₃ Injection rate (lb/hr)/17 lb/lb-mol
B = Dry Exhaust Flow Rate (lb/hr)/29 lb/lb-mol
C = Change in NO_x ppmvd across the catalyst (Inlet NO_x - Outlet NO_x)
D = Correction factor = RM avg./CEMS avg.

Reference Method (RM) average is the average of three NH₃ ppmvd runs as reported by the source tester during a source test.

CEMS average is the average of three NH₃ ppmvd values as reported by the data acquisition monitoring system corresponding to the date and times of the Reference Method runs from the source test report.

Manufacturer Name/Model Number: Calculated
Upper Permit Limit: 5.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: PART 75
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 86: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 86.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C01

New York State Department of Environmental Conservation

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052



Regulated Contaminant(s):
CAS No: 007664-93-9 SULFURIC ACID

Item 86.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Sulfuric acid mist emissions from process C01 comply with the best available control technology (BACT) requirements as stated in 40CFR 52.21 through the use of natural gas as the combustion fuel. This process must meet a sulfuric acid emission limit of 0.52 lb/hr for each turbine. Limits are applicable at all times.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.52 pounds per hour

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 87: Compliance Certification

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 87.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Process: C01

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 87.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO emissions shall not exceed 8.88 lb/hr, except during periods of startup or shutdown. A continuous emissions monitoring device shall be used to demonstrate compliance with this limit. The CO limit of 8.88 lb/hr is for each turbine, 'per unit'.

Manufacturer Name/Model Number: TAPI/300 EM

Upper Permit Limit: 8.88 pounds per hour



New York State Department of Environmental Conservation

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Reference Test Method: PART 60 APP B AND F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 88: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 88.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C01

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 88.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO emissions from process C01 shall not exceed 2.0 ppmvd at 15% oxygen, except during periods of startup and shutdown, in order to comply with the best available control technology (BACT) requirements as stated in 40CFR52.21. This emission limit is met through the application of an oxidation catalyst. A continuous emissions monitoring system shall be used to demonstrate compliance with this limit.

Manufacturer Name/Model Number: TAPI/300 EM
Upper Permit Limit: 2.0 parts per million by volume
(dry, corrected to 15% O2)

Reference Test Method: PART 60 APP B AND F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 89: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

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Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052



Item 89.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C01

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 89.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC emissions from process C01 shall not exceed 0.001 lb/mmBtu, including during periods of startup or shutdown, in order to comply with the best available control technology (BACT) requirements listed in 40CFR52.21.

A compliance stack test shall be performed within 180 days of combustion turbine train startup. Stack testing using the appropriate Part 60 test methods at steady state will demonstrate compliance with permit limits.

Upper Permit Limit: 0.001 pounds per million Btus

Reference Test Method: EPA Methods 25A, 18, and/or 320

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 90: Compliance Certification

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 90.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C01

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

Item 90.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Sulfur dioxide emissions from process C01 comply with the

New York State Department of Environmental Conservation

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052



best available control technology (BACT) requirements at stated in 40CFR 52.21 through the use of natural gas as the combustion fuel. This process must meet a sulfur dioxide emissions limit of 1.67 lb/hr for each turbine. Limits are applicable at all times.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.67 pounds per hour

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 91: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 91.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Process: C01

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 91.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PM-10 emissions from process C01 shall not exceed 0.012 lb/mmBtu, including during periods of startup and shutdown, in order to comply with the best available control technology (BACT) requirements as stated in 40CFR52.21. A compliance stack test shall be performed once per permit term to verify that this limit is being met. Stack testing using the appropriate Part 60 test methods at steady state will demonstrate compliance with permit limits.

Upper Permit Limit: 0.012 pounds per million Btus

Reference Test Method: Method 201A/202

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 92: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019



Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 92.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C01

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

Item 92.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PM 10 emissions from process C01 shall not exceed 13.0 lb/hr, including during periods of startup or shutdown, in order to comply with the best available control technology (BACT) requirements as stated in 40CFR52.21. A performance test shall be performed once per permit term. The PM 10 emission limit of 13.0 lb/hr is for each turbine, 'per unit'. There are two turbines in the emission unit and process. Stack testing using the appropriate Part 60 test methods at steady state will demonstrate compliance with permit limits.

Upper Permit Limit: 13.0 pounds per hour

Reference Test Method: EPA METHOD 201A/202

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 93: Compliance Certification

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C01

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 93.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emissions from process C01 shall not exceed 13.0 lb/hr, including during periods of startup and shutdown, in order to comply with the best available control technology (BACT) requirements as stated in 40CFR52.21. A compliance stack test shall be performed once per permit term. The particulate emission limit of 13.0 lb/hr is for each turbine, 'per unit'. There are two turbines in the emission unit and process. Stack testing using the appropriate Part 60 test methods at steady state will demonstrate compliance with permit limits.

Upper Permit Limit: 13.0 pounds per hour

Reference Test Method: EPA METHOD 5

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 94: Compliance Certification

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 94.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Process: C01

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 94.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emissions from process C01 shall not exceed 0.012 lb/mmBtu, including during periods of startup and shutdown, in order to comply with the best available control technology requirements as stated in 40CFR52.21. A compliance stack test shall be performed once per permit term. Stack testing using the appropriate Part 60 test methods at steady state will demonstrate compliance with permit limits.

Upper Permit Limit: 0.012 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

New York State Department of Environmental Conservation

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052



METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 95: Applicability of the Title IV Acid Rain Regulations to a "new" generator unit which consists of multiple emission sources.

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 72.6(a)(3)(i), Subpart A

Item 95.1:

This Condition applies to:

Emission Unit: 1CTDBR
Process: C01

Emission Unit: 1CTDBR
Process: C02

Emission Unit: 1CTDBR
Process: C03

Item 95.1:

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

Item 95.2.3:

This emission source is part of an affected unit and is subject to the requirements of the Acid Rain Program. These requirements are included in 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78.

Condition 96: Compliance Certification

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 231-2.5 (a)

Item 96.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C02

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 96.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

New York State Department of Environmental Conservation

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052



Monitoring Description:

VOC emissions from process C02 shall not exceed 2.0 ppmvd at 15% oxygen including during periods of startup or shutdown in order to comply with the lowest achievable emission rate (LAER) requirements. This emission limit is met through the application of an oxidation catalyst. A compliance stack test shall be performed within 180 days of combustion turbine startup. Stack testing using the appropriate Part 60 test methods at steady state will demonstrate compliance with permit limits.

Proper operation of the oxidation catalyst shall be demonstrated on a continuous basis through carbon monoxide monitoring under conditions elsewhere in this permit.

Upper Permit Limit: 2.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: EPA Methods 25A, 18, and/or 320

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 97: Compliance Certification

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement: 6 NYCRR 231-2.5 (a)

Item 97.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Process: C02

Regulated Contaminant(s):

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

Item 97.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NO_x emissions from process C02 shall not exceed 9.0 ppmvd at 15% oxygen, except during periods of startup and shutdown, in order to comply with the lowest achievable emission rate (LAER) requirements. This emission limit is met through the application of dry low-NO_x combustors and selective catalytic reduction (SCR). A continuous emissions monitoring device shall be used to demonstrate compliance with this limit.

Manufacturer Name/Model Number: TAPI / 200 EM



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Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Upper Permit Limit: 9.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: PART 60 APP B AND F

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 98: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement: 6 NYCRR 231-2.5 (a)

Item 98.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Process: C02

Regulated Contaminant(s):

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

Item 98.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NO_x emissions from process C02 shall not exceed 74.04 lb/hr for each turbine, except during periods of startup or shutdown in order to comply with the best available control technology (BACT) requirements as listed in 6 NYCRR Part 231. This emission limit is met through the application of selective catalytic reduction and the limit will be continuously measured using a continuous emissions monitor which will be operated and maintained according to the provisions in Part 75.

Manufacturer Name/Model Number: TAPI / 200 EM

Upper Permit Limit: 74.04 pounds per hour

Reference Test Method: PART 60 APP B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 2-3: Compliance Certification
Effective between the dates of 11/26/2018 and 06/30/2019



Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 2-3.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C02

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

Item 2-3.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia emissions from the combustion turbine trains shall not exceed 10.0 ppmvd at 15% oxygen while firing low-sulfur fuel oil, except during periods of startup or shutdown, as good operating practice for the selective catalytic reduction (SCR) required for NO_x LAER and BACT. A continuous emissions monitoring system shall be used to determine compliance with this limit. A surrogate system for direct ammonia slip monitoring continuously monitors NO_x before and after the SCR and continuously monitors the ammonia feed rate. Ammonia slip concentration after the SCR is calculated utilizing the following equation:

$$\text{NH}_3\text{Adj.} = ((A - (B * C / 1,000,000)) * (1,000,000 / B)) * D$$

Where,

NH₃Adj. = NH₃, ppmvd
A = NH₃ Injection rate (lb/hr)/17 lb/lb-mol
B = Dry Exhaust Flow Rate (lb/hr)/29 lb/lb-mol
C = Change in NO_x ppmvd across the catalyst (Inlet NO_x - Outlet NO_x)
D = Correction factor = RM avg./CEMS avg.

Reference Method (RM) average is the average of three NH₃ ppmvd runs as reported by the source tester during a source test.

CEMS average is the average of three NH₃ ppmvd values as reported by the data acquisition monitoring system corresponding to the date and times of the Reference Method runs from the source test report.

Manufacturer Name/Model Number: Calculated
Upper Permit Limit: 10.0 parts per million by volume
(dry, corrected to 15% O₂)



New York State Department of Environmental Conservation

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Reference Test Method: PART 75
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 99: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 99.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C02

Regulated Contaminant(s):

CAS No: 000630-08-0	CARBON MONOXIDE
CAS No: 007446-09-5	SULFUR DIOXIDE
CAS No: 0NY075-00-5	PM-10
CAS No: 0NY075-00-0	PARTICULATES

Item 99.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

When two turbine trains are operating, the minimum allowable continuous load during normal operation for each combustion turbine during the firing of distillate oil is 50%. Turbine load shall be continuously recorded to demonstrate compliance with this requirement.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 100: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 100.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C02

Regulated Contaminant(s):

CAS No: 000630-08-0	CARBON MONOXIDE
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New York State Department of Environmental Conservation

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

CAS No: 007446-09-5 SULFUR DIOXIDE
CAS No: 0NY075-00-5 PM-10
CAS No: 0NY075-00-0 PARTICULATES

Item 100.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

When only one turbine train is operating, the minimum allowable continuous load during normal operation for each combustion turbine during the firing of distillate oil is 100%. 100% load is full base load and the actual percentage may vary plus or minus 5% based on ambient environmental and physical conditions. Turbine load shall be continuously recorded to demonstrate compliance with this requirement.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 101: Compliance Certification

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 101.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Process: C02

Item 101.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The combustion turbines (CTRB1 and CTRB2) shall be limited to firing no more than a total of 31 million gallons/year of fuel oil on a rolling daily basis. Fuel oil flow to the combustion turbines shall be continuously monitored and recorded to demonstrate compliance with this requirement.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NUMBER 2 OIL

Manufacturer Name/Model Number: Micro Motion F300S355

Upper Permit Limit: 3.1E+07 gallons per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 102: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 102.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C02

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 102.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO emissions shall not exceed 20.03 lb/hr, except during periods of startup or shutdown. A continuous emissions monitoring device shall be used to demonstrate compliance with this limit. The CO limit of 20.03 lb/hr is for each turbine, 'per unit'.

Manufacturer Name/Model Number: TAPI / 300 EM

Upper Permit Limit: 20.03 pounds per hour

Reference Test Method: PART 60 APP B AND F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 103: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 103.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C02

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

New York State Department of Environmental Conservation

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052



Item 103.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO emissions from process C02 shall not exceed 4.0 ppmvd at 15%, except during periods of startup or shutdown. This limit meets the requirements of the best available control technology (BACT) requirements as stated in 40 CFR 52.21. The emission limit is met through the use of oxidation catalyst. A continuous emissions monitor will be used to demonstrate compliance with this limit.

Manufacturer Name/Model Number: TAPI / 300 EM

Upper Permit Limit: 4.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: PART 60 APP B AND F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 104: Compliance Certification

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 104.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Process: C02

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 104.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Sulfuric acid emissions from process C02 comply with the best available control technology (BACT) requirements in 40CFR52.21 through the use of low sulfur distillate fuel oil with a maximum sulfur content of 0.05% by weight. This process must meet an H₂SO₄ emission limit of 33.22 lb/hr for each turbine. Limits are applicable at all times.

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The permittee shall obtain fuel oil supplier sulfur certification with each delivery.

Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 33.22 pounds per hour
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 105: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 105.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C02

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

Item 105.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Sulfur dioxide emissions from process C02 comply with the best available control technology (BACT) requirements in 40CFR52.21 through the use of low sulfur distillate fuel oil with a maximum sulfur content of 0.05% by weight. This process must meet an SO₂ emission limit of 105.77 lb/hr for each turbine. Limits are applicable at all times.

The permittee shall obtain fuel oil supplier sulfur certification with each delivery.

Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 105.77 pounds per hour
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION



New York State Department of Environmental Conservation

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 106: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 106.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Process: C02

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 106.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC emissions from process C02 shall not exceed 0.00199 lb/mmBtu, including during periods of startup or shutdown, in order to comply with the best available control technology (BACT) requirements as stated in 40CFR52.21.

A compliance stack test shall be performed within 180 days of combustion turbine train startup. Stack testing using the appropriate Part 60 test methods at steady state will demonstrate compliance with permit limits.

Upper Permit Limit: 0.00199 pounds per million Btus

Reference Test Method: EPA Methods 25A, 18, and/or 320

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 107: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 107.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Process: C02

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

New York State Department of Environmental Conservation

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052



Item 107.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PM-10 emissions from process C02 shall not exceed 75.0 lb/hr, including during periods of startup and shutdown, in order to comply with the best available control technology (BACT) requirements as stated in 40CFR52.21. A compliance stack test shall be performed once per permit term. The PM-10 emission limit of 75.0 lb/hr is for each turbine, 'per unit'. Stack testing using the appropriate Part 60 test methods at steady state will demonstrate compliance with permit limits.

Upper Permit Limit: 75.0 pounds per hour

Reference Test Method: EPA METHODS 201A/202

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 108: Compliance Certification

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 108.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Process: C02

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 108.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PM-10 emissions from process C02 shall not exceed 0.037 lb/mmBtu, including during periods of startup or shutdown, in order to comply with the best available control technologies (BACT) requirements as stated in 40CFR52.21.

A compliance stack test shall be performed once during the term of the Title V permit. Stack testing using the appropriate Part 60 test methods at steady state will demonstrate compliance with permit limits.



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Upper Permit Limit: 0.037 pounds per million Btus

Reference Test Method: Method 5

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 109: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 109.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Process: C02

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 109.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PM emissions from process C02 shall not exceed 0.037 lb/mmBtu, including during periods of startup or shutdown, in order to comply with the best available control technologies (BACT) requirements as stated in 40CFR52.21.

A compliance stack test shall be performed within 180 days of combustion turbine train startup. Stack testing using the appropriate Part 60 test methods at steady state will demonstrate compliance with permit limits.

Upper Permit Limit: 0.037 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 110: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 110.1:

The Compliance Certification activity will be performed for:

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Emission Unit: 1-CTDBR
Process: C02

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 110.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emissions from process C02 shall not exceed 75.0 lb/hr, including during periods of startup and shutdown, in order to comply with the best available control technology (BACT) requirements as stated in 40CFR52.21. A compliance stack test shall be performed once per permit term. The particulate emission limit of 75.0 lb/hr is for each turbine, 'per unit'. Stack testing using the appropriate Part 60 test methods at steady state will demonstrate compliance with permit limits.

Upper Permit Limit: 75.0 pounds per hour

Reference Test Method: EPA METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 111: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 231-2.5 (a)

Item 111.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C03

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

Item 111.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOx emissions from process C03 shall not exceed 28.9 lb/hr for each turbine, except during periods of startup or shutdown in order to comply with the best available control technology (BACT) requirements as listed in 6

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NYCRR Part 231. This emission limit is met through the application of selective catalytic reduction and the limit will be continuously measured using a continuous emissions monitor which will be operated and maintained according to the provisions in Part 75.

Manufacturer Name/Model Number: TAPI / 200 EM
Upper Permit Limit: 28.9 pounds per hour
Reference Test Method: PART 60 APP B & F
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 112: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement: 6 NYCRR 231-2.5 (a)

Item 112.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C03

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 112.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC emissions from process C03 shall not exceed 7.0 ppmvd at 15% oxygen, including during periods of startup or shutdown in order to comply with the lowest achievable emission rate (LAER) requirements. This emission limit is met through the application of an oxidation catalyst. A compliance stack test shall be performed within 180 days of combustion turbine startup. Stack testing using the appropriate Part 60 test methods at steady state will demonstrate compliance with permit limits.

Proper operation of the oxidation catalyst shall be demonstrated on a continuous basis through CO monitoring under conditions elsewhere in this permit.

Upper Permit Limit: 7.0 parts per million by volume
(dry, corrected to 15% O₂)
Reference Test Method: EPA Methods 25A, 18, and/or 320



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Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 113: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 231-2.5 (a)

Item 113.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Process: C03

Regulated Contaminant(s):

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

Item 113.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOx emissions from process C03 shall not exceed 3.0 ppmvd at 15% oxygen, except during periods of startup or shutdown in order to comply with the lowest achievable emission rate (LAER) requirements. This emission limit is met through the application of dry low-NOx combustors and selective catalytic reduction (SCR). A continuous emissions monitoring device shall be used to demonstrate compliance with this limit.

Manufacturer Name/Model Number: TAPI / 200 EM

Upper Permit Limit: 3.0 parts per million by volume
(dry, corrected to 15% O2)

Reference Test Method: PART 60 APP B AND F

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 2-4: Compliance Certification
Effective between the dates of 11/26/2018 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 2-4.1:

The Compliance Certification activity will be performed for:

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Facility DEC ID: 4381400052



Emission Unit: 1-CTDBR
Process: C03

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

Item 2-4.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia emissions from the combustion turbine trains shall not exceed 5.0 ppmvd at 15% oxygen, except during periods of startup or shutdown, as good operating practice for the selective catalytic reduction (SCR) required for NO_x LAER and BACT. A continuous emissions monitoring system shall be used to determine compliance with this limit. A surrogate system for direct ammonia slip monitoring continuously monitors NO_x before and after the SCR and continuously monitors the ammonia feed rate. Ammonia slip concentration after the SCR is calculated utilizing the following equation:

$$\text{NH3Adj.} = ((A - (B * C / 1,000,000)) * (1,000,000 / B)) * D$$

Where,

NH3Adj. = NH₃, ppmvd
A = NH₃ Injection rate (lb/hr)/17 lb/lb-mol
B = Dry Exhaust Flow Rate (lb/hr)/29 lb/lb-mol
C = Change in NO_x ppmvd across the catalyst (Inlet NO_x - Outlet NO_x)
D = Correction factor = RM avg./CEMS avg.

Reference Method (RM) average is the average of three NH₃ ppmvd runs as reported by the source tester during a source test.

CEMS average is the average of three NH₃ ppmvd values as reported by the data acquisition monitoring system corresponding to the date and times of the Reference Method runs from the source test report.

Manufacturer Name/Model Number: Calculated
Upper Permit Limit: 5.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: PART 75
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.

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

Condition 114: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 114.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C03

Regulated Contaminant(s):
CAS No: 007664-93-9 SULFURIC ACID

Item 114.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Sulfuric acid emissions from process C03 must comply with the best available control technology (BACT) requirements as stated in 40CFR52.21 through the combustion of natural gas fuel. This process must meet an emission limit of 0.87 lb/hr for H₂SO₄ per unit. Limits are applicable at all times.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.87 pounds per hour

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 115: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 115.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C03

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 115.2:

New York State Department of Environmental Conservation

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052



Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO emissions from process C03 shall not exceed 5.0 ppmvd at 15% oxygen, except during periods of startup or shutdown, in order to comply with the best available control technology requirements (BACT) as stated in 40CFR 52.21. This emission limit is met through the application of an oxidation catalyst. A continuous monitoring device shall be used to demonstrate compliance with this limit.

Manufacturer Name/Model Number: TAPI/300 EM

Upper Permit Limit: 5.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: PART 60 APP B AND F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 116: Compliance Certification

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 116.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Process: C03

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 116.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Carbon monoxide emissions from process C03 shall not exceed 29.3 lb/hr, except during periods of startup or shutdown. A continuous emissions monitoring device shall be used to demonstrate compliance with this limit. The CO limit of 29.3 lb/hr is for each turbine.

Manufacturer Name/Model Number: TAPI/300EM

Upper Permit Limit: 29.3 pounds per hour

Reference Test Method: PART 60 APP B AND F

Monitoring Frequency: CONTINUOUS

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Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 117: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 117.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C03

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

Item 117.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Sulfur dioxide emissions from process C03 must comply with the best available control technology (BACT) requirements as stated in 40CFR52.21 through the combustion of natural gas fuel. This process must meet an emission limit of 2.21 lb/hr for SO₂ per unit. Limits are applicable at all times.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 2.21 pounds per hour

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 118: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 118.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C03

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Facility DEC ID: 4381400052



Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 118.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC emissions from process C03 shall not exceed 0.00745 lb/mmBtu, including during periods of startup or shutdown, in order to comply with the best available control technology (BACT) requirements as listed in 40CFR52.21.

A compliance stack test shall be performed within 180 days of combustion turbine train startup. Stack testing using the appropriate Part 60 test methods at steady state will demonstrate compliance with permit limits.

Upper Permit Limit: 0.00745 pounds per million Btus

Reference Test Method: EPA Methods 25A, 18, and/or 320

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 119: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 119.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C03

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

Item 119.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PM-10 emissions from process C03 shall not exceed 35.0 lb/hr for each turbine in order to comply with the best available control technology (BACT) requirements as stated in 40CFR52.21. This limit applies during periods of startup or shutdown.

A compliance stack test shall be performed once per permit



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term to verify that the emission limit is being met.
Stack testing using the appropriate Part 60 test methods
at steady state will demonstrate compliance with permit
limits.

Upper Permit Limit: 35.0 pounds per hour

Reference Test Method: EPA METHODS 201A/202

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 120: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 120.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Process: C03

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 120.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PM-10 emissions from process C03 shall not exceed 0.017
lb/mmBtu in order to comply with the best available
control technology (BACT) requirements as stated in
40CFR52.21. This limit applies during periods of startup
or shutdown.

A compliance stack test shall be performed once per permit
term to verify that the emission limit is being met.
Stack testing using the appropriate Part 60 test methods
at steady state will demonstrate compliance with permit
limits.

Upper Permit Limit: 0.017 pounds per million Btus

Reference Test Method: Method 201A/202

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 121: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019



Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 121.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C03

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 121.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emissions from process C03 shall not exceed 35.0 lb/hr for each turbine in order to comply with the best available control technology (BACT) requirements as stated in 40CFR52.21. This limit applies during periods of startup or shutdown.

A compliance stack test shall be performed once per permit term to verify that the emission limit is being met. Stack testing using the appropriate Part 60 test methods at steady state will demonstrate compliance with permit limits.

Upper Permit Limit: 35.0 pounds per hour
Reference Test Method: EPA METHOD 5
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 122: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 122.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C03

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 122.2:

Compliance Certification shall include the following monitoring:

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Facility DEC ID: 4381400052



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emissions from process C03 shall not exceed 0.017 lb/mmBtu in order to comply with the best available control technology (BACT) requirements as stated in 40CFR52.21. This limit applies during periods of startup or shutdown.

A compliance stack test shall be performed once per permit term to verify that the emission limit is being met.

Stack testing using the appropriate Part 60 test methods at steady state will demonstrate compliance with permit limits.

Upper Permit Limit: 0.017 pounds per million Btus

Reference Test Method: Method 5

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 123: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

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

Item 123.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

Regulated Contaminant(s):

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

Item 123.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emergency power generating stationary internal combustion engines are exempt from this permit. In order to meet the definition of an emergency engine, these engines must operate as a mechanical or electrical power source only when the usual supply of power is unavailable, and operate for no more than 500 hours per year. The 500 hours of annual operation for the engine include operation during emergency situations, routine maintenance, and routine exercising (for example, test firing the engine for one hour a week to ensure reliability). A stationary internal combustion engine used for peak shaving generation is not an emergency power generating stationary internal

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combustion engine.

Monitoring Frequency: MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 124: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 124.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

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

Item 124.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Sulfur dioxide and sulfuric acid mist emissions from process CO2 shall comply with the best available control technology (BACT) requirements through the use of low sulfur distillate oil with a sulfur content of 0.0015% by weight or less. Compliance shall be demonstrated by maintaining the fuel supplier certification with each shipment of fuel.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 125: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 60.4207(b), NSPS Subpart III

Item 125.1:

The Compliance Certification activity will be performed for:

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Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052



Emission Unit: 1-MISCC

Item 125.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The owner or operator of a stationary compression ignition internal combustion engine with a displacement of less than 30 liters per cylinder and which is subject to the requirements of subpart IIII of 40 CFR Part 60 may not fire diesel fuel above a maximum aromatic content of 35 percent per gallon as referenced in 40 CFR Part 80.510(b) except that any diesel fuel purchased or otherwise obtained prior to October 1, 2010 may be used until depleted. Compliance shall be demonstrated by either sampling each delivery and conducting an appropriate analysis or by obtaining a certificate of analysis showing the aromatic content for each shipment of diesel fuel provided by the fuel supplier. In either case, the owner or operator must verify that any required fuel analysis has been conducted using methodology acceptable to the Department. Records of all certificates of analysis provided by the fuel supplier and on-site fuel sampling results must be maintained on site for a minimum of five years.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DIESEL OIL

Parameter Monitored: AROMATIC CONTENT

Upper Permit Limit: 35 percent

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 126: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 60.4207(b), NSPS Subpart IIII

Item 126.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

Item 126.2:

Compliance Certification shall include the following monitoring:

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Permit ID: 4-3814-00052/00009

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Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The owner or operator of a stationary compression ignition internal combustion engine displacing less than 30 liters per cylinder and which is subject to the requirements of subpart III of 40 CFR Part 60 may not fire diesel fuel below a minimum cetane index of 40 as referenced in 40 CFR Part 80.510(b) except that any diesel fuel purchased or otherwise obtained prior to October 1, 2010 may be used until depleted. Compliance shall be demonstrated by either sampling each delivery and conducting an appropriate analysis or by obtaining a certificate of analysis showing the cetane index for each shipment of diesel fuel provided by the fuel supplier. In either case, the owner or operator must verify that any required fuel analysis has been conducted using methodology acceptable to the Department. Records of all certificates of analysis provided by the fuel supplier and on-site fuel sampling results must be maintained on site for a minimum of five years.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DIESEL OIL

Parameter Monitored: CETANE INDEX

Lower Permit Limit: 40 ratio

Monitoring Frequency: PER DELIVERY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 127: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement: 40CFR 60.4207(b), NSPS Subpart III

Item 127.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

Item 127.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The owner or operator of a stationary compression



ignition internal combustion engine displacing less than 30 liters per cylinder and which is subject to the requirements of subpart IIII of 40 CFR Part 60 may not fire any diesel fuel which exceeds a sulfur content of 15 ppm as per the non-road diesel fuel sulfur content standard set forth in 40 CFR Part 80.510(b) except that any diesel fuel purchased or otherwise obtained prior to October 1, 2010 may be used until depleted. Compliance shall be demonstrated by either sampling each delivery and conducting an appropriate analysis or by obtaining a certificate of analysis showing the sulfur content or range of sulfur content for each shipment of non-road diesel fuel provided by the fuel supplier. In either case, the owner or operator must verify that any required fuel analysis has been conducted using methodology acceptable to the Department. Records of all certificates of analysis provided by the fuel supplier and on-site fuel sampling results must be maintained on site for a minimum of five years.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DIESEL OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 15 parts per million by weight

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 128: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 60.4209(a), NSPS Subpart IIII

Item 128.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

Item 128.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an emergency stationary compression ignition IC engine must install and maintain a non-resettable hour meter prior to startup to monitor engine usage

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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 1/30/2015.

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

Condition 129: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 60.4211(f), NSPS Subpart IIII

Item 129.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

Item 129.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Emergency stationary ICE may be operated for any combination of the purposes specified in paragraphs (i) through (iii) for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by 40 CFR 60.4211(f)(3) counts as part of the 100 hours per calendar year. There is no time limit on the use of emergency stationary ICE in emergency situations.

(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(ii) Emergency stationary ICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see 40 CFR 60.17), or other authorized

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entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) Emergency stationary ICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

Parameter Monitored: HOURS OF OPERATION

Upper Permit Limit: 100 hours per year

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 130: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement: 40CFR 60.4211(f), NSPS Subpart III

Item 130.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

Item 130.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in 40 CFR 60.4211(f)(2). Except as provided in paragraph (i), the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. There is no time limit on the use of emergency stationary ICE in emergency situations.

(i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system



operator;

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

Parameter Monitored: HOURS OF OPERATION

Upper Permit Limit: 50 hours per year

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 131: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 60.4219, NSPS Subpart III

Item 131.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

Regulated Contaminant(s):

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

Item 131.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Fire pump engine means an emergency stationary internal

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combustion engine certified to NFPA requirements that is used to provide power to pump water for fire suppression or protection.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 132: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 60.4219, NSPS Subpart III

Item 132.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

Regulated Contaminant(s):

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

Item 132.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emergency stationary internal combustion engine means any stationary reciprocating internal combustion engine that meets all of the criteria in paragraphs (1) through (3) of this definition. All emergency stationary ICE must comply with the requirements specified in §60.4211(f) in order to be considered emergency stationary ICE. If the engine does not comply with the requirements specified in §60.4211(f), then it is not considered to be an emergency stationary ICE under this subpart.

(1) The stationary ICE is operated to provide electrical power or mechanical work during an emergency situation. Examples include stationary ICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or stationary ICE used to pump water in the case of fire or flood, etc.

(2) The stationary ICE is operated under limited circumstances for situations not included in paragraph (1) of this definition, as specified in §60.4211(f).

(3) The stationary ICE operates as part of a financial

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arrangement with another entity in situations not included
in paragraph (1) of this definition only as allowed in
§60.4211(f)(2)(ii) or (iii) and §60.4211(f)(3)(i).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 133: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement: 6 NYCRR 231-2.5 (a)

Item 133.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

Process: C21

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

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

Item 133.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to comply with the lowest achievable emission
rate (LAER) requirements as stated in 6 NYCRR 231-2.5, the
fire pump engine shall operate in accordance with
manufacturer's recommendations and with manufacturer's
settings. In addition, the operation during equipment
testing shall not exceed 52 hours per rolling 12 month
period.

Equipment specifications, logs of operating hours, and
maintenance logs shall be maintained on site.

Work Practice Type: HOURS PER YEAR OPERATION

Process Material: FUEL CONSUMPTION

Parameter Monitored: OPERATING HOURS

Upper Permit Limit: 52 hours per year

Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

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Condition 134: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 231-2.5 (a)

Item 134.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

Process: C21

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 134.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to comply with the lowest achievable emission rate (LAER) requirements for VOC's as required in 6 NYCRR Part 231, the emergency engine/generator set and fire pump engine shall operate in accordance with manufacturer's recommendations. Equipment specifications and maintenance logs shall be maintained on site.

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 1/30/2015.

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

Condition 135: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:6 NYCRR 231-2.5 (a)

Item 135.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

Process: C21

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 135.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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In order to comply with the best achievable control technology (BACT) requirements for carbon monoxide, the emergency engine/generator set and the fire pump engine shall operate in accordance with manufacturer's recommendations. Equipment specifications and maintenance logs shall be maintained on site and be readily available upon inspection.

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 1/30/2015.

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

Condition 136: Compliance Certification
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable Federal Requirement:40CFR 60.4205(b), NSPS Subpart III

Item 136.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

Process: C21

Emission Source: EDG01

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

CAS No: 0NY075-00-0 PARTICULATES

CAS No: 0NY998-00-0 VOC

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

Item 136.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The emergency generator (EDG01) must comply with:

1) the certification emissions standards in 40 CFR 89.112 for the same model year and maximum engine power as follows: NMHC and NO_x less than or equal to 6.4 g/kW-hr, CO less than or equal to 3.5 g/kW-hr, and PM less than or equal to 0.2 g/kW-hr; and

2) The certification smoke standards in 40 CFR 89.113

The facility shall maintain monthly records of emergency and non-emergency operation for the emergency generator (EDG01) which shall include:

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- fuel type and usage

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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



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

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined 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: 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 138: Contaminant List

Effective between the dates of 07/01/2014 and 06/30/2019

Applicable State Requirement:ECL 19-0301

Item 138.1:

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

CAS No: 000124-38-9
Name: CARBON DIOXIDE

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

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

CAS No: 007664-41-7
Name: AMMONIA

CAS No: 007664-93-9
Name: SULFURIC ACID

CAS No: 0NY075-00-0
Name: PARTICULATES

CAS No: 0NY075-00-5
Name: PM-10



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

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

Condition 139: Malfunctions and start-up/shutdown activities
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable State Requirement:6 NYCRR 201-1.4

Item 139.1:

(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.

Condition 140: Visible Emissions Limited
Effective between the dates of 07/01/2014 and 06/30/2019



Applicable State Requirement:6 NYCRR 211.2

Item 140.1:

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

Condition 141: Compliance Demonstration
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable State Requirement:6 NYCRR 242-1.5

Item 141.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 141.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owners and operators and, to the extent applicable, the CO₂ authorized account representative of each CO₂ budget source and each CO₂ budget unit at the source shall comply with the monitoring requirements of Subpart 242-8. The emissions measurements recorded and reported in accordance with Subpart 242-8 of this Part shall be used to determine compliance by the unit with the following CO₂ requirements:

- (1) The owners and operators of each CO₂ budget source and each CO₂ budget unit at the source shall hold CO₂ allowances available for compliance deductions under Section 242-6.5, as of the CO₂ allowance transfer deadline, in the source's compliance account in an amount not less than the total CO₂ emissions for the control period from all CO₂ budget units at the source, as determined in accordance with Subparts 242-6 and 242-8.
- (2) Each ton of CO₂ emitted in excess of the CO₂ budget emissions limitation shall constitute a separate violation of this Part and applicable state law.
- (3) A CO₂ budget unit shall be subject to the requirements specified in item 1 starting on the later, of January 1, 2009 or the date on which the unit commences operation.
- (4) CO₂ allowances shall be held in, deducted from, or transferred among CO₂ Allowance Tracking System accounts

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in accordance with Subparts 242-5, 242-6, and 242-7, and Section 242-10.7.

(5) A CO2 allowance shall not be deducted, in order to comply with the requirements specified in item 1, for a control period that ends prior to the allocation year for which the CO2 allowance was allocated. A CO2 offset allowance shall not be deducted, in order to comply with the requirements under item 1, beyond the applicable percent limitations set out in 6NYCRR Part 242-6.5(a)(3).

(6) A CO2 allowance under the CO2 Budget Trading Program is a limited authorization by the Department or a participating state to emit one ton of CO2 in accordance with the CO2 Budget Trading Program. No provision of the CO2 Budget Trading Program, the CO2 budget permit application, or the CO2 budget permit or any provision of law shall be construed to limit the authority of the Department or a participating state to terminate or limit such authorization.

(7) A CO2 allowance under the CO2 Budget Trading Program does not constitute a property right.

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 1/30/2015.

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

Condition 142: Compliance Demonstration
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable State Requirement:6 NYCRR 242-1.5

Item 142.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 142.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owners and operators of the CO2 budget source and each CO2 budget unit at the source shall keep on site at the source each of the following documents for a period of 10 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 10 years, in writing by the department.



(i) The account certificate of representation for the CO₂ authorized account representative for the source and each CO₂ budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with 6 NYCRR Part 242-2.4, provided that the certificate and documents shall be retained on site at the source beyond such 10-year period until such documents are superseded because of the submission of a new account certificate of representation.

(ii) All emissions monitoring information, in accordance with Subpart 242-8 and 40 CFR 75.57.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CO₂ Budget Trading Program.

(iv) Copies of all documents used to complete a CO₂ budget permit application and any other submission under the CO₂ Budget Trading Program or to demonstrate compliance with the requirements of the CO₂ Budget Trading Program.

The CO₂ authorized account representative of a CO₂ budget source and each CO₂ budget unit at the source shall submit the reports and compliance certifications required under the CO₂ Budget Trading Program, including those under Subpart 242-4.

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 1/30/2015.

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

Condition 143: Compliance Demonstration
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable State Requirement: 6 NYCRR Subpart 242-4

Item 143.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 143.2:

Compliance Demonstration shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Annual Compliance Certification Report:

(a) For each control period in which a CO₂ budget source is subject to the CO₂ requirements of subdivision 242-1.5(c) of this Part, CO₂ authorized account representative of the source shall submit to the department by March 1st following the relevant control period, a compliance certification report. The control period is a three-calendar-year time period.

(b) The compliance certification report shall include the following elements:

(1) identification of the source and each CO₂ budget unit at the source;

(2) as an option, the serial numbers of the CO₂ allowances that are to be deducted from the source's compliance account under section 242-6.5 of this Part for the control period, including the serial numbers of any CO₂ offset allowances that are to be deducted subject to the limitations of section 242-6.5(a)(3) of this Part; and

(3) the compliance certification under subdivision (c) of this section (below).

(c) In the compliance certification report the CO₂ authorized account representative shall certify, based on reasonable inquiry of those persons with primary responsibility for operating the source and the CO₂ budget units at the source in compliance with the CO₂ Budget Trading Program, whether the source and each CO₂ budget unit at the source for which the compliance certification is submitted was operated during the calendar years covered by the report in compliance with the requirements of the CO₂ Budget Trading Program, including:

(1) whether the source was operated in compliance with the CO₂ requirements of section 242-1.5(c) of this Part;

(2) whether the monitoring plan applicable to each unit at the source has been maintained to reflect the actual operation and monitoring of the unit, and contains all information necessary to attribute CO₂ emissions to the unit, in accordance with Subpart 242-8 of this Part;



(3) whether all the CO₂ emissions from the units at the source were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with Subpart 242-8 of this Part. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions have been made;

(4) whether the facts that form the basis for certification under Subpart 242-8 of each monitor at each unit at the source, or for using an excepted monitoring method or alternative monitoring method approved under Subpart 242-8 of this Part, if any, have changed; and

(5) if a change is required to be reported under paragraph (c)(4) above, specify the nature of the change, the reason for the change, when the change occurred, and how the unit's compliance status was determined subsequent to the change, including what method was used to determine emissions when a change mandated the need for monitor recertification.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 144: Compliance Demonstration
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable State Requirement: 6 NYCRR Subpart 242-8

Item 144.1:

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

Emission Unit: 1-CTDBR

Regulated Contaminant(s):
CAS No: 000124-38-9 CARBON DIOXIDE

Item 144.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Recordkeeping and Reporting (6NYCRR Part 242-8.5)

(a) General provisions. The CO₂ authorized account representative shall comply with all recordkeeping and



reporting requirements in this section, the applicable record keeping and reporting requirements under 40 CFR 75.73 and with the requirements of section 242-2.1(e) of this Part.

(b) Monitoring plans. The owner or operator of a CO₂ budget unit shall submit a monitoring plan in the manner prescribed in 40 CFR 75.62.

(c) Certification applications. The CO₂ authorized account representative shall submit an application to the department within 45 days after completing all CO₂ monitoring system initial certification or recertification tests required under section 242-8.2 of this Subpart including the information required under 40 CFR 75.63 and 40 CFR 75.53(e) and (f).

(d) Quarterly reports. The CO₂ authorized account representative shall submit quarterly reports, as follows:

(1) The CO₂ authorized account representative shall report the CO₂ mass emissions data and heat input data for the CO₂ budget unit, in an electronic format prescribed by the administrator unless otherwise prescribed by the department for each calendar quarter.

(2) The CO₂ authorized account representative shall submit each quarterly report to the department or its agent within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in subpart H of 40 CFR part 75 and 40 CFR 75.64. Quarterly reports shall be submitted for each CO₂ budget unit (or group of units using a common stack), and shall include all of the data and information required in subpart G of 40 CFR part 75, except for opacity, NO_x, and SO₂ provisions.

(3) The CO₂ authorized account representative shall submit to the department or its agent a compliance certification in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

(i) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR part 75, including the quality assurance procedures and specifications;

(ii) for a unit with add-on CO₂ emissions controls and for all hours where data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emissions controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B of 40 CFR part 75 and the substitute values do



not systematically underestimate CO2 emissions; and
(iii) the CO2 concentration values substituted for
missing data under Subpart D of 40 CFR part 75 do not
systematically underestimate CO2 emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2014.

Subsequent reports are due every 3 calendar month(s).

Condition 145: Compliance Demonstration
Effective between the dates of 07/01/2014 and 06/30/2019

Applicable State Requirement:6 NYCRR 242-8.5

Item 145.1:

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

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 145.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Recordkeeping and Reporting (6NYCRR Part 242-8.5)

(a) General provisions. The CO2 authorized account representative shall comply with all recordkeeping and reporting requirements in this section, the applicable record keeping and reporting requirements under 40 CFR 75.73 and with the requirements of section 242-2.1(e) of this Part.

(b) Monitoring plans. The owner or operator of a CO2 budget unit shall submit a monitoring plan in the manner prescribed in 40 CFR 75.62.

(c) Certification applications. The CO2 authorized account representative shall submit an application to the department within 45 days after completing all CO2 monitoring system initial certification or recertification tests required under section 242-8.2 of this Subpart including the information required under 40 CFR 75.63 and 40 CFR 75.53(e) and (f).

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(d) Quarterly reports. The CO2 authorized account representative shall submit quarterly reports, as follows:

(1) The CO2 authorized account representative shall report the CO2 mass emissions data and heat input data for the CO2 budget unit, in an electronic format prescribed by the administrator unless otherwise prescribed by the department for each calendar quarter.

(2) The CO2 authorized account representative shall submit each quarterly report to the department or its agent within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in subpart H of 40 CFR part 75 and 40 CFR 75.64. Quarterly reports shall be submitted for each CO2 budget unit (or group of units using a common stack), and shall include all of the data and information required in subpart G of 40 CFR part 75, except for opacity, NOx, and SO2 provisions.

(3) The CO2 authorized account representative shall submit to the department or its agent a compliance certification in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

(i) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR part 75, including the quality assurance procedures and specifications;

(ii) for a unit with add-on CO2 emissions controls and for all hours where data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emissions controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B of 40 CFR part 75 and the substitute values do not systematically underestimate CO2 emissions; and

(iii) the CO2 concentration values substituted for missing data under Subpart D of 40 CFR part 75 do not systematically underestimate CO2 emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2014.

Subsequent reports are due every 3 calendar month(s).