

Facility DEC ID: 4381400052

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Title IV (Phase II Acid Rain)
Permit ID: 4-3814-00052/00003
Effective Date: _____ Expiration Date: _____

Permit Type: Air Title V Facility
Permit ID: 4-3814-00052/00009
Effective Date: _____ 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 is the first renewal of the title V permit for Empire Power. This facility consists of two GE 7FA combustion turbine trains. Combustion turbines will fire natural gas and will have ultra low sulfur distillate oil available for backup use. Each train has a natural gas-fired heat recovery steam generator, oxidation catalyst/SCR for pollution control, and a separate stack. Ancillary equipment includes emergency engines (generator and fire pump), a cooling tower, and storage tanks for distillate oil and aqueous ammonia.

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: ____ / ____ / ____

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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.

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- 4 2 Relationship of this Permit to Other Department Orders and Determinations
- 4 3 Applications for permit renewals, modifications and transfers
- 5 4 Permit modifications, suspensions or revocations by the Department

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- 5 5 Submission of application for permit modification or renewal-REGION 4 HEADQUARTERS

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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 the expiration of permits for Title V and State Facility Permits.

Item 3.3

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

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submitted prior to actual transfer of ownership.

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

Item 4.1:

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

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

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

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

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 4 Headquarters
Division of Environmental Permits
1130 North Westcott Rd.
Schenectady, NY 12306-2014
(518) 357-2069

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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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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
4931 - ELEC & OTHER SERVICES COMBINED

Permit Effective Date:

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10	4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
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13	6 6 NYCRR 201-6.4 (e): Compliance Certification
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15	8 6 NYCRR 202-2.5: Recordkeeping requirements
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17	10 6 NYCRR 200.7: Maintenance of Equipment
17	11 6 NYCRR 201-1.7: Recycling and Salvage
17	12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
17	13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
18	14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
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19	17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
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19	19 40 CFR Part 68: Accidental release provisions.
20	20 40CFR 82, Subpart F: Recycling and Emissions Reduction
20	21 6 NYCRR Subpart 201-6: Emission Unit Definition
21	22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
21	23 6 NYCRR 202-2.4: Emission statement methods and procedures
22	24 6 NYCRR 211.2: Visible Emissions Limited
22	25 6 NYCRR 227-1.3: Compliance Certification
24	26 6 NYCRR 231-2.5 (a): Compliance Certification
25	27 6 NYCRR 231-2.5 (a): Compliance Certification
25	28 40CFR 52.21(j), Subpart A: Compliance Certification
26	29 40CFR 52.21(j), Subpart A: Compliance Certification
27	30 40CFR 52.21(j), Subpart A: Compliance Certification
28	31 40CFR 52.21(j), Subpart A: Compliance Certification
29	32 40CFR 52.21(j), Subpart A: Compliance Certification
29	33 40CFR 52.21(j), Subpart A: Compliance Certification
30	34 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
31	35 40CFR 60.12, NSPS Subpart A: Circumvention.
31	36 40CFR 60.15, NSPS Subpart A: Reconstruction
32	37 40CFR 60.19, NSPS Subpart A: Changes in time periods for submittal
32	38 40CFR 60.4206, NSPS Subpart III: Duration of emission standards for new stationary compression ignition IC engines
32	39 40CFR 60.4211(a), NSPS Subpart III: Compliance Certification
33	40 40CFR 60.4211(c), NSPS Subpart III: Compliance Certification
34	41 40CFR 60.4211(f), NSPS Subpart III: 4211(f)(1) - no time limit for emergency engines

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- 34 42 40CFR 60.4211(f), NSPS Subpart IIII: Compliance Certification
- 35 43 40CFR 60.4214(b), NSPS Subpart IIII: Compliance Certification
- 35 44 40CFR 60.4218, NSPS Subpart IIII: General Provisions
- 35 45 40CFR 60.4320(a), NSPS Subpart KKKK: Compliance Certification
- 36 46 40CFR 60.4320(a), NSPS Subpart KKKK: Compliance Certification
- 37 47 40CFR 60.4330, NSPS Subpart KKKK: Compliance Certification
- 38 48 40CFR 60.4330, NSPS Subpart KKKK: Compliance Certification
- 39 49 40CFR 63.6590(c), Subpart ZZZZ: Stationary RICE
subject to Regulations under 40 CFR Part 60
- 40 50 40CFR 97.406, Subpart AAAAA: Compliance Certification
- 41 51 40CFR 97.606, Subpart CCCCC: Compliance Certification
- 42 52 40CFR 97, Subpart EEEEE: Compliance Certification
- Emission Unit Level**
- 44 53 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 44 54 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=1-CTDBR

- 48 55 6 NYCRR Subpart 201-6: Compliance Certification
- 49 56 6 NYCRR Subpart 201-6: Compliance Certification
- 50 57 6 NYCRR Subpart 201-6: Compliance Certification
- 50 58 6 NYCRR Subpart 201-6: Compliance Certification
- 51 59 6 NYCRR Subpart 201-6: Compliance Certification
- 52 60 6 NYCRR Subpart 201-6: Compliance Certification
- 53 61 6 NYCRR Subpart 201-6: Compliance Certification
- 54 62 6 NYCRR Subpart 201-6: Compliance Certification
- 54 63 6 NYCRR Subpart 201-6: Compliance Certification
- 55 64 40CFR 52.21(j), Subpart A: Compliance Certification
- 56 65 40CFR 52.21(j), Subpart A: Compliance Certification
- 56 66 40CFR 60.4365(a), NSPS Subpart KKKK: Compliance Certification
- 57 67 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=C01

- 57 68 6 NYCRR 231-2.5 (a): Compliance Certification
- 58 69 6 NYCRR 231-2.5 (a): Compliance Certification
- 59 70 6 NYCRR 231-2.5 (a): Compliance Certification
- 60 71 40CFR 52.21, Subpart A: Compliance Certification
- 61 72 40CFR 52.21(j), Subpart A: Compliance Certification
- 62 73 40CFR 52.21(j), Subpart A: Compliance Certification
- 62 74 40CFR 52.21(j), Subpart A: Compliance Certification
- 63 75 40CFR 52.21(j), Subpart A: Compliance Certification
- 64 76 40CFR 52.21(j), Subpart A: Compliance Certification
- 64 77 40CFR 52.21(j), Subpart A: Compliance Certification
- 65 78 40CFR 52.21(j), Subpart A: Compliance Certification
- 66 79 40CFR 52.21(j), Subpart A: Compliance Certification
- 66 80 40CFR 52.21(j), Subpart A: Compliance Certification

EU=1-CTDBR,Proc=C02

- 67 81 6 NYCRR 231-2.5 (a): Compliance Certification
- 68 82 6 NYCRR 231-2.5 (a): Compliance Certification
- 69 83 6 NYCRR 231-2.5 (a): Compliance Certification

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- 69 84 40CFR 52.21, Subpart A: Compliance Certification
- 71 85 40CFR 52.21(j), Subpart A: Compliance Certification
- 71 86 40CFR 52.21(j), Subpart A: Compliance Certification
- 72 87 40CFR 52.21(j), Subpart A: Compliance Certification
- 72 88 40CFR 52.21(j), Subpart A: Compliance Certification
- 73 89 40CFR 52.21(j), Subpart A: Compliance Certification
- 74 90 40CFR 52.21(j), Subpart A: Compliance Certification
- 75 91 40CFR 52.21(j), Subpart A: Compliance Certification
- 75 92 40CFR 52.21(j), Subpart A: Compliance Certification
- 76 93 40CFR 52.21(j), Subpart A: Compliance Certification
- 77 94 40CFR 52.21(j), Subpart A: Compliance Certification
- 77 95 40CFR 52.21(j), Subpart A: Compliance Certification
- 78 96 40CFR 52.21(j), Subpart A: Compliance Certification

EU=1-CTDBR,Proc=C03

- 79 97 6 NYCRR 231-2.5 (a): Compliance Certification
- 80 98 6 NYCRR 231-2.5 (a): Compliance Certification
- 80 99 6 NYCRR 231-2.5 (a): Compliance Certification
- 81 100 40CFR 52.21, Subpart A: Compliance Certification
- 82 101 40CFR 52.21(j), Subpart A: Compliance Certification
- 83 102 40CFR 52.21(j), Subpart A: Compliance Certification
- 84 103 40CFR 52.21(j), Subpart A: Compliance Certification
- 84 104 40CFR 52.21(j), Subpart A: Compliance Certification
- 85 105 40CFR 52.21(j), Subpart A: Compliance Certification
- 86 106 40CFR 52.21(j), Subpart A: Compliance Certification
- 86 107 40CFR 52.21(j), Subpart A: Compliance Certification
- 87 108 40CFR 52.21(j), Subpart A: Compliance Certification
- 88 109 40CFR 52.21(j), Subpart A: Compliance Certification

EU=1-MISCC

- 89 110 6 NYCRR 201-3.2 (c) (6): Compliance Certification
- 89 111 40CFR 60.4207(b), NSPS Subpart III: Compliance Certification
- 90 112 40CFR 60.4209(a), NSPS Subpart III: Compliance Certification
- 91 113 40CFR 60.4211(f), NSPS Subpart III: Compliance Certification
- 92 114 40CFR 60.4211(f), NSPS Subpart III: Compliance Certification
- 93 115 40CFR 60.4219, NSPS Subpart III: Compliance Certification
- 94 116 40CFR 60.4219, NSPS Subpart III: Compliance Certification

EU=1-MISCC,Proc=C21

- 95 117 6 NYCRR 231-2.5 (a): Compliance Certification
- 96 118 6 NYCRR 231-2.5 (a): Compliance Certification
- 96 119 6 NYCRR 231-2.5 (a): Compliance Certification
- 97 120 40CFR 52.21(j), Subpart A: Compliance Certification

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

- 98 121 40CFR 60.4205(b), NSPS Subpart III: Compliance Certification

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

- 99 122 40CFR 60.4205(c), NSPS Subpart III: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

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- 101 123 ECL 19-0301: Contaminant List
- 102 124 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 102 125 6 NYCRR 201-6.5 (a): CLCPA Applicability
- 103 126 6 NYCRR 211.1: Air pollution prohibited
- 103 127 6 NYCRR 242-1.5: Compliance Demonstration
- 104 128 6 NYCRR 242-1.5: Compliance Demonstration
- 106 129 6 NYCRR Subpart 242-4: Compliance Demonstration
- 107 130 6 NYCRR Subpart 242-8: Compliance Demonstration
- 109 131 6 NYCRR 242-8.5: Compliance Demonstration

Emission Unit Level

EU=1-CTDBR

- 111 132 6 NYCRR 251.3 (b): Compliance Demonstration

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FEDERALLY ENFORCEABLE CONDITIONS

Renewal 1/DRAFT

**** Facility Level ****

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

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

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

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

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

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

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

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

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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

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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

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

Item K: Permit Exclusion - ECL 19-0305

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

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality
Effective for entire length of Permit****Applicable Federal Requirement: 6 NYCRR 200.6****Item 1.1:**

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

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

Condition 2: Fees
Effective for entire length of Permit

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

Item 2.1:

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

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective for entire length of Permit

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

Item 3.1:

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

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

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

Condition 4: Records of Monitoring, Sampling, and Measurement
Effective for entire length of Permit

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

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reports required by the permit.

Condition 5: Compliance Certification
Effective for entire length of Permit

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements,

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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

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report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.

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

Condition 6: Compliance Certification
Effective for entire length of Permit

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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and

- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

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

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

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

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

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
NYSDEC Region 4 Headquarters
1130 North Westcott Road
Schenectady, NY 12306-2014

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance
625 Broadway

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Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2021.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

Applicable Federal Requirement:6 NYCRR 215.2

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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**

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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 for entire length of Permit**

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 for entire length of Permit**

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 for entire length of Permit**

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 for entire length of Permit**

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.

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Condition 14: Trivial Sources - Proof of Eligibility
Effective for entire length of Permit

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 for entire length of Permit

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

Item 15.1:

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

Condition 16: Right to Inspect
Effective for entire length of Permit

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

Item 16.1:

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

- (i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- (ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- (iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and
- (iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

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Condition 17: Off Permit Changes
Effective for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit**

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 for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 21.1:

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

Emission Unit: 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:

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 for entire length of Permit****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: Emission statement methods and procedures
Effective for entire length of Permit****Applicable Federal Requirement:6 NYCRR 202-2.4****Item 23.1:**

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

- (a) Emissions estimates shall be based on the owner's or operator's use of the following methods. For each instance, the owner or operator must utilize one of the following emissions estimation methods to represent actual emissions emitted during the calendar year.
 - (1) stack samples or other emission measurements;
 - (2) material balance using knowledge of the process;
 - (3) national emission factors;
 - (4) best engineering judgement (including manufacturers' guarantees);
 - (5) state or local agency emission factors approved by EPA;
 - (6) standard EPA emission factors (SCC emission factor). The Department shall assign the

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SCC to a particular facility. A source owner may request the Department to change an assigned SCC;

(7) other published emission factors (please provide); and

(8) other (please specify).

(NOTE: Emissions testing is generally not required for determining emissions to comply with this regulation. When monitoring or testing data is available and has been validated and verified by the Department and is still applicable to the operations during the reporting period, this monitoring or testing data should be used to calculate emissions for this reporting requirement. In the absence of validated monitoring or testing data, the facility should use the emissions estimation method which would yield accurate emissions data.)

(b) If a source owner or operator is required to use a specific monitoring method to demonstrate compliance with other applicable requirements, the Department may require that the emission estimates for the corresponding processes be based on information obtained from that monitoring method. The Department may reject the use of a proposed method for a particular process if it can be demonstrated that the method does not represent actual emissions.

(c) Any owner or operator of a reportable facility shall transmit the emission statement to the Department on forms acceptable to the Department. With the prior approval of the Department, an emission statement which meets the requirements of section 202-2.4 may be submitted on computer diskette or transmitted electronically in lieu of a written submission.

(d) The owner or operator may request that information submitted in emission statements be designated as a trade secret, in accordance with Part 616 of this Title. Data elements not considered to be confidential include: emissions, estimated emissions method, and the SCC. The Department will evaluate claims for confidentiality in accordance with Part 616 of this Title.

Condition 24: Visible Emissions Limited
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 211.2

Item 24.1:

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 25: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Item 25.2:

Compliance Certification shall include the following monitoring:

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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?

Inclement 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. Steam plumes dissipate within a short distance of the

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

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

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: 0NY998-00-0 VOC

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 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 which was 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
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

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

Condition 27: Compliance Certification
Effective for entire length of Permit

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

Item 27.1:

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 27.2:

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.

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

Condition 28: Compliance Certification
Effective for entire length of Permit

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

Item 28.1:

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

Emission Unit: 1-CTDBR

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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.

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.

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

**Condition 30: Compliance Certification
Effective for entire length of Permit**

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

Item 30.1:

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 30.2:

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.

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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 NYSDEC.

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

Condition 31: Compliance Certification
Effective for entire length of Permit

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

Item 31.1:

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 31.2:

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.

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

Condition 32: Compliance Certification
Effective for entire length of Permit

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

Item 32.1:

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 32.2:

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

Condition 33: Compliance Certification
Effective for entire length of Permit

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

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Item 33.1:

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

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 33.2:

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.

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

**Condition 34: EPA Region 2 address.
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 34.1:

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

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290 Broadway, 21st Floor
New York, NY 10007-1886

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 35: Circumvention.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 35.1:

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 36: Reconstruction
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.15, NSPS Subpart A

Item 36.1:

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

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8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

**Condition 37: Changes in time periods for submittal
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60.19, NSPS Subpart A

Item 37.1:

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 38: Duration of emission standards for new stationary
compression ignition IC engines
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60.4206, NSPS Subpart IIII

Item 38.1:

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 39: Compliance Certification
Effective for entire length of Permit**

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

Item 39.1:

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 39.2:

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

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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.

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

**Condition 40: Compliance Certification
Effective for entire length of Permit**

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

Item 40.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MISCC

Item 40.2:

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 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.

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

**Condition 41: 4211(f)(1) - no time limit for emergency engines
Effective for entire length of Permit**

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

Item 41.1:

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

**Condition 42: Compliance Certification
Effective for entire length of Permit**

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

Item 42.1:

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 42.2:

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 III for non-emergency engines.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 43: Compliance Certification

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Effective for entire length of Permit

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

Item 43.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MISCC

Item 43.2:

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.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 44: General Provisions
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.4218, NSPS Subpart IIII

Item 44.1:

Table 8 of Subpart IIII 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 IIII.

Condition 45: Compliance Certification
Effective for entire length of Permit

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

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Item 45.1:

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 45.2:

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

Manufacturer Name/Model Number: TAPI / T200 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.

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

**Condition 46: Compliance Certification
Effective for entire length of Permit**

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

Item 46.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

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Emission Unit: 1-CTDBR
Process: C01

Emission Unit: 1-CTDBR
Process: C03

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

Item 46.2:

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 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 / T200 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.

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

Condition 47: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.4330, NSPS Subpart KKKK

Item 47.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CTDBR

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Facility DEC ID: 4381400052

Process: C02

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 47.2:

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.

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.

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

Condition 48: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.4330, NSPS Subpart KKKK

Item 48.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CTDBR

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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.

Condition 50: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 97.406, Subpart AAAAA

Item 50.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.413 through 97.418 of Subpart AAAAA. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.
- (2) The facility, and the designated representative, of each TR NOX Annual source (facility) and each TR NOX Annual Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.430 through 97.435 of Subpart AAAAA and subpart H of part 75 of this chapter. This includes but is not limited

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to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

(3) The emissions data determined shall be used to calculate allocations of TR NO_x Annual allowances and to determine compliance with the TR NO_x Annual emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NO_x Annual facility and each TR NO_x Annual Unit at the facility shall hold, in the facilities compliance account, TR NO_x Annual allowances available for deduction for such control period under §97.424(a) in an amount not less than the tons of total NO_x emissions for such control period from all TR NO_x Annual Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 51: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 97.606, Subpart CCCCC

Item 51.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.613 through 97.618 of Subpart CCCCC. The facility shall notify the Department of this representative (and

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alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.

(2) The facility, and the designated representative, of each TR SO₂ Group 1 source (facility) and each TR SO₂ Group 1 Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.630 through 97.635 of Subpart CCCC and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

(3) The emissions data determined shall be used to calculate allocations of TR SO₂ Group 1 allowances and to determine compliance with the TR SO₂ Group 1 emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR SO₂ Group 1 facility and each TR SO₂ Group 1 Unit at the facility shall hold, in the facilities compliance account, TR SO₂ Group 1 allowances available for deduction for such control period under §97.624(a) in an amount not less than the tons of total SO₂ emissions for such control period from all TR SO₂ Group 1 Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 52: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 97, Subpart EEEEE

Item 52.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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Item 52.2:

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Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.813 through 97.818 of Subpart EEEEE. The facility shall notify the Department of this representative (and alternate) with contact information upon issuance of this permit and when any changes are made to the representative (or alternate) or their contact information.

- (2) The facility, and the designated representative, of each CSAPR NOx Ozone Season source (facility) and each CSAPR NOx Ozone Season Unit at the facility must comply with the monitoring, reporting, and recordkeeping requirements of §§97.830 through 97.835 of Subpart EEEEE and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are to be submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are to be submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

- (3) The emissions data determined shall be used to calculate allocations of CSAPR NOx Ozone Season allowances and to determine compliance with the CSAPR NOx Ozone Season emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each CSAPR NOx Ozone Season facility and each CSAPR NOx Ozone Season Unit at the facility shall hold, in the facilities compliance account, CSAPR NOx Ozone Season allowances available for deduction for such control period under §97.824(a) in an amount not less than the tons of total NOx emissions for such control period from all CSAPR NOx Ozone Season Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

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**Condition 53: Emission Point Definition By Emission Unit
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 53.1:

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 53.2:

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

Emission Unit: 1-MISCC

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 54: Process Definition By Emission Unit
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 54.1:

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

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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 54.2:

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

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 54.3:

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 NOx 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

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 54.4:

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 End Date: 12/10/2018

Process Description:

THIS PROCESS CONSISTS OF ONE OR TWO COMBUSTION TURBINES/HEAT RECOVERY STEAM GENERATOR TRAINS (CTRB1/DBRN1 AND

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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
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 54.5:

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

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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

Item 54.6:

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 55: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

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

Item 55.2:

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 / T300EM

Upper Permit Limit: 1000 pounds

Reference Test Method: PART 60 APP B AND F

Monitoring Frequency: CONTINUOUS

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 56: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

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

Item 56.2:

Compliance Certification shall include the following monitoring:

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 NO_x, 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 NO_x, 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

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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

Condition 57: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 57.1:

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 57.2:

Compliance Certification shall include the following monitoring:

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 58: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 58.1:

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

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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

Item 58.2:

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 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.

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

Condition 59: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

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

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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 / T200EM

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)

Reports due 30 days after the reporting period.

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

**Condition 60: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

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

Item 60.2:

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.

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Manufacturer Name/Model Number: TAPI / T300EM
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.
Subsequent reports are due every 6 calendar month(s).

**Condition 61: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

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

Item 61.2:

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

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Condition 62: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 62.2:

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 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.

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

Condition 63: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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:

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 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 / T200EM

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.

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

**Condition 64: Compliance Certification
Effective for entire length of Permit**

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

Item 64.1:

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 64.2:

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.

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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 65: Compliance Certification
Effective for entire length of Permit

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

Item 65.1:

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 65.2:

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 66: Compliance Certification
Effective for entire length of Permit

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

Item 66.1:

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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Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Item 66.2:

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.

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

Condition 67: Applicability of the Title IV Acid Rain Regulations to a "new" generator unit which consists of multiple emission sources.

Effective for entire length of Permit

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

Item 67.1:

This Condition applies to Emission Unit: 1-CTDBR

Item 67.2:

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 68: Compliance Certification

Effective for entire length of Permit

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

Item 68.1:

The Compliance Certification activity will be performed for:

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Emission Unit: 1-CTDBR
Process: C01

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

Item 68.2:

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 was 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

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 69: Compliance Certification
Effective for entire length of Permit

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

Item 69.1:

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 69.2:

Compliance Certification shall include the following monitoring:

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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 / T200 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.

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

**Condition 70: Compliance Certification
Effective for entire length of Permit**

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

Item 70.1:

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 70.2:

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 / T200 EM

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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

Condition 71: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
 Process: C01

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

Item 71.2:

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 NOx 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 NOx before and after the SCR and continuously monitors the ammonia feed rate. Ammonia slip concentration after the SCR is calculated utilizing the following equation:

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

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 NOx ppmvd across the catalyst (Inlet NOx - Outlet NOx)
 D = Correction factor = RM avg./CEMS avg.

Reference Method (RM) average is the average of three NH3

Permit ID: 4-3814-00052/00009

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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.

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

Condition 72: Compliance Certification
Effective for entire length of Permit

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

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Process: C01

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 72.2:

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 at 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

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Facility DEC ID: 4381400052

Condition 73: Compliance Certification
Effective for entire length of Permit

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

Item 73.1:

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 73.2:

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/T300 EM
Upper Permit Limit: 8.88 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.
Subsequent reports are due every 6 calendar month(s).

Condition 74: Compliance Certification
Effective for entire length of Permit

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

Item 74.1:

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 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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/T300 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.

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

**Condition 75: Compliance Certification
Effective for entire length of Permit**

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

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Process: C01

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 75.2:

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 was 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

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 76: Compliance Certification
Effective for entire length of Permit

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

Item 76.1:

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 76.2:

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 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 77: Compliance Certification
Effective for entire length of Permit

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

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C01

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

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Item 77.2:

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 78: Compliance Certification
Effective for entire length of Permit**

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

Item 78.1:

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 78.2:

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.

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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 79: Compliance Certification
Effective for entire length of Permit

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

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C01

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

Item 79.2:

Compliance Certification shall include the following monitoring:

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 80: Compliance Certification
Effective for entire length of Permit

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

Item 80.1:

The Compliance Certification activity will be performed for:

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Emission Unit: 1-CTDBR
Process: C01

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

Item 80.2:

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
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 81: Compliance Certification
Effective for entire length of Permit

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

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C02

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

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

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

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compliance stack test was 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 82: Compliance Certification
 Effective for entire length of Permit**

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

Item 82.1:

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 82.2:

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 / T200 EM

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)

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Facility DEC ID: 4381400052

Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 83: Compliance Certification
Effective for entire length of Permit

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: C02

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

Item 83.2:

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 / T200 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.

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

Condition 84: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR
Process: C02

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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

Item 84.2:

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, ppmvdA = 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)

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.

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

Condition 85: Compliance Certification

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Effective for entire length of Permit

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

Item 85.1:

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 85.2:

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 86: Compliance Certification
Effective for entire length of Permit**

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: 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 86.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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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 87: Compliance Certification
Effective for entire length of Permit

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: C02

Item 87.2:

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)

Reports due 30 days after the reporting period.

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

Condition 88: Compliance Certification
Effective for entire length of Permit

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

Item 88.1:

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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 88.2:

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 / T300 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.

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

**Condition 89: Compliance Certification
 Effective for entire length of Permit**

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

Item 89.1:

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 89.2:

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

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oxidation catalyst. A continuous emissions monitor will be used to demonstrate compliance with this limit.

Manufacturer Name/Model Number: TAPI / T300 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.
 Subsequent reports are due every 6 calendar month(s).

**Condition 90: Compliance Certification
 Effective for entire length of Permit**

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: C02

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

Item 90.2:

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.

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.

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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

Condition 91: Compliance Certification
Effective for entire length of Permit

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: C02

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

Item 91.2:

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 92: Compliance Certification
Effective for entire length of Permit

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: C02

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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

Item 92.2:

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 was 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 93: Compliance Certification
Effective for entire length of Permit**

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: C02

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

Item 93.2:

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 only if oil is fired in the turbines during the permit term. The PM-10 emission limit of 75.0 lb/hr is

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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 94: Compliance Certification
 Effective for entire length of Permit**

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: C02

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

Item 94.2:

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 only if oil is fired in the turbines during the permit term. 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: 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 95: Compliance Certification
 Effective for entire length of Permit**

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Process: C02

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 95.2:

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 once per permit term only if oil is fired in the turbines during the permit term. 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: 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 96: Compliance Certification
Effective for entire length of Permit**

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

Item 96.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CTDBR

Process: C02

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 96.2:

Compliance Certification shall include the following monitoring:

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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 only if oil is fired in the turbines during the 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: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 97: Compliance Certification
Effective for entire length of Permit**

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: C03

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:

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 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 / T200 EM

Upper Permit Limit: 28.9 pounds per hour

Reference Test Method: PART 60 APP B & F

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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 NOx 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 NOx 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 NOx ppmvd across the catalyst (Inlet NOx - Outlet NOx)

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.

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

Condition 101: Compliance Certification
Effective for entire length of Permit

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: C03

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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

Item 101.2:

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 102: Compliance Certification
 Effective for entire length of Permit**

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: C03

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 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.

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Manufacturer Name/Model Number: TAPI/T300 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.
 Subsequent reports are due every 6 calendar month(s).

Condition 103: Compliance Certification
Effective for entire length of Permit

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: C03

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

Item 103.2:

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/T300EM
 Upper Permit Limit: 29.3 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.
 Subsequent reports are due every 6 calendar month(s).

Condition 104: Compliance Certification
Effective for entire length of Permit

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

Item 104.1:

The Compliance Certification activity will be performed for:

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Emission Unit: 1-CTDBR
Process: C03

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

Item 104.2:

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 105: Compliance Certification
Effective for entire length of Permit

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: C03

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

Item 105.2:

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.

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

A compliance stack test was 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 106: Compliance Certification
Effective for entire length of Permit

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: C03

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

Item 106.2:

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 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 107: Compliance Certification
Effective for entire length of Permit

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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: C03

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

Item 107.2:

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 108: Compliance Certification
Effective for entire length of Permit

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: C03

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

Item 108.2:

Compliance Certification shall include the following monitoring:

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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 109: Compliance Certification
Effective for entire length of Permit**

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: C03

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:

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.

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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 110: Compliance Certification
Effective for entire length of Permit

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

Item 110.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

Regulated Contaminant(s):

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

Item 110.2:

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 combustion engine.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 111: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.4207(b), NSPS Subpart IIII

Item 111.1:

The Compliance Certification activity will be performed for:

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Emission Unit: 1-MISCC

Item 111.2:

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.

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

Condition 112: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.4209(a), NSPS Subpart IIII

Item 112.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

Item 112.2:

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 113: Compliance Certification
Effective for entire length of Permit**

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

Item 113.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

Item 113.2:

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

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

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

Condition 114: Compliance Certification
Effective for entire length of Permit

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

Item 114.1:
 The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

Item 114.2:
 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.

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Facility DEC ID: 4381400052

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

Condition 115: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.4219, NSPS Subpart IIII

Item 115.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

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

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Item 115.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Fire pump engine means an emergency stationary internal 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 116: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 60.4219, NSPS Subpart IIII

Item 116.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

Regulated Contaminant(s):

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

Item 116.2:

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.

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Facility DEC ID: 4381400052

(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 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 117: Compliance Certification
Effective for entire length of Permit**

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

Item 117.1:

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 117.2:

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

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 118: Compliance Certification
Effective for entire length of Permit

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

Item 118.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC
Process: C21

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

Item 118.2:

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.

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

Condition 119: Compliance Certification
Effective for entire length of Permit

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

Item 119.1:

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 119.2:

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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.

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

Condition 120: Compliance Certification
Effective for entire length of Permit

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

Item 120.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

Process: C21

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 120.2:

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 C21 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 -

Permit ID: 4-3814-00052/00009

Facility DEC ID: 4381400052

SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 121: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 60.4205(b), NSPS Subpart III

Item 121.1:

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 121.2:

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:

- number of hours of emergency operation
- date and number of hours of testing, maintenance, and readiness testing operations
- purpose of operation and records of operational characteristic monitoring
- fuel type and usage

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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Facility DEC ID: 4381400052

Condition 122: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.4205(c), NSPS Subpart IIII

Item 122.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MISCC

Process: C21

Emission Source: FIRE1

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 122.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The fire pumpe (FIRE1) must comply with:

1) the certification emissions standards in table 4 of 40 CFR Part 60, Subpart IIII, as follows: NMHC and NO_x less than or equal to 10.5 g/kW-hr, CO less than or equal to 3.5 g/kW-hr, and PM less than or equal to 0.54 g/kW-hr

The facility shall maintain monthly records of emergency and non-emergency operation for the fire pump (FIRE1) which shall include:

- number of hours of emergency operation
- date and number of hours of testing, maintenance, and readiness testing operations
- purpose of operation and records of operational characteristic monitoring
- fuel type and usage

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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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

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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 123: Contaminant List
Effective for entire length of Permit

Applicable State Requirement: ECL 19-0301

Item 123.1:

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

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

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

**Condition 124: Malfunctions and start-up/shutdown activities
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 201-1.4

Item 124.1:

(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 125: CLCPA Applicability
Effective for entire length of Permit**

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Applicable State Requirement:6 NYCRR 201-6.5 (a)**Item 125.1:**

Pursuant to The New York State Climate Leadership and Community Protection Act (CLCPA) and Article 75 of the Environmental Conservation Law, emission sources shall comply with regulations to be promulgated by the Department to ensure that by 2030 statewide greenhouse gas emissions are reduced by 40% of 1990 levels, and by 2050 statewide greenhouse gas emissions are reduced by 85% of 1990 levels.

Condition 126: Air pollution prohibited
Effective for entire length of Permit

Applicable State Requirement:6 NYCRR 211.1**Item 126.1:**

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 127: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement:6 NYCRR 242-1.5**Item 127.1:**

The Compliance Demonstration activity will be performed for the Facility.

Item 127.2:

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

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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 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.

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

**Condition 128: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 242-1.5

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Item 128.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 128.2:

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.

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

Condition 129: Compliance Demonstration

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Effective for entire length of Permit**Applicable State Requirement:6 NYCRR Subpart 242-4****Item 129.1:**

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 129.2:

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

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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 130: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6 NYCRR Subpart 242-8

Item 130.1:

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

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Facility DEC ID: 4381400052

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 130.2:

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

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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.

Subsequent reports are due every 3 calendar month(s).

**Condition 131: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 242-8.5

Item 131.1:

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 131.2:

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

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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

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systematically underestimate CO2 emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 3 calendar month(s).

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

Condition 132: Compliance Demonstration
Effective between the dates of 12/31/2020 and Permit Expiration Date

Applicable State Requirement: 6 NYCRR 251.3 (b)

Item 132.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 132.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

On or after December 31, 2020, owners or operators of non-modified existing sources shall not fire any single fossil fuel, alone or in combination with any other fuel, where each fossil fuel is required to meet an emission rate of 180 pounds of CO2 per million Btu of input (input-based limit). These emission limits are measured on an annual basis, calculated by dividing the annual total of CO2 emissions for the calendar year by the annual total Btus (input-based limit) fired for each separate fossil fuel fired. The owner or operator must maintain all records associated with these requirements on site or at a location acceptable to the Department for a minimum of five years.

This facility will monitor CO2 emissions using the calculation methods specified in Appendix G of Part 75 as specified in 40CFR75.13(b) and will determine the heat value of each fuel using the methodology listed in Appendix D of Part 75 as specified in 40CFR75.71(c)(2).

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The owner or operator shall report the CO₂ mass emissions data and heat input data in a format appropriate for comparison to the applicable emission limit, in lb/MMbtu heat input, for each calendar quarter. Reports are due within 30 days following the end of the calendar quarter. The reports to EPA shall be submitted in the manner specified in subpart H of 40 CFR part 75 and 40 CFR 75.64 and include all the data and information required in subpart H and G of 40 CFR part 75. Submit the Emission Monitoring data feedback reports received from the EPA Emissions Collection and Monitoring Plan System (ECMPS) to the Regional DEC office quarterly. These reports verify that data was submitted to EPA and include the hours of operation, heat input and CO₂ emissions. [251.6(e)]

A compliance certification shall be submitted in support of each quarterly report as required by 6 NYCRR Part 251.6(a) and (g). Part 251.6(a) includes a specific certification statement to include with all submissions.

The owner or operator shall report the annual CO₂ mass emissions and heat input data in a format appropriate for comparison to the emission limit within 30 days following the end of the calendar year. [251.3]

Parameter Monitored: HEAT INPUT
Upper Permit Limit: 180 pounds per million Btus
Monitoring Frequency: CONTINUOUS
Averaging Method: CALENDAR YEAR AVERAGE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 12 calendar month(s).

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