



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 9-0412-00042/00011
Effective Date: 04/06/2018 Expiration Date: 04/05/2023

Permit Issued To: INDECK-OLEAN LIMITED PARTNERSHIP
600 N BUFFALO GROVE RD STE 300
BUFFALO GROVE, IL 60089-2432

Contact: JAMES SCHNEIDER
INDECK ENERGY SERVICES
600 NORTH BUFFALO GROVE RD # 300
BUFFALO GROVE, IL 60089-2432
(847) 520-3212

Facility: INDECK OLEAN ENERGY CENTER
140 MOORE AVE
OLEAN, NY 14760

Contact: DON HITTNER
INDECK OLEAN ENERGY CENTER
140 MOORE AVE
OLEAN, NY 14760
(716) 373-4705

Description:
Indeck Olean Energy Center (Renewal 2, Modification 0)

This is a permit renewal of the existing Title V operating air permit. The Indeck-Olean Energy Center (Indeck) is a combined cycle co-generation plant that produces electricity and steam. Indeck is located in an industrial part of the City of Olean, Cattaraugus County. Indeck commenced production in 1993 with a rated net generating capacity of 79.9 megawatts (MW) of electricity. Formerly process steam was provided to the adjacent Dresser-Rand Company, a host facility. Indeck has no steam host at this time. Electric power is sold on a contract basis to the electric grid.

This facility consists of one Emission Unit (EU), EU O-00001, which includes a General Electric Frame 6 combustion gas turbine (GT) rated at 421 million Btu per hour (MMBtu/hr) heat input with steam injection, a duct burner (DB) rated at 249 MMBtu/hr heat input, and a selective catalytic reducer (SCR). The GT generates about 39.6 MW and the steam turbine generates about 39.6 MW. The emissions from these sources exhaust out of emission point (EP) 00001. The GT



and DB are primarily fired with natural gas, but both can fire distillate (#2) fuel oil as an alternative. An extractive CEMS is used to measure and record emissions of NO_x, CO, oxygen (O₂), ammonia (NH₃), and opacity at the stack.

Five processes are part of EU O-00001, process 100 is the turbine combusting natural gas without the duct burner firing, process 200 is the turbine combusting distillate fuel oil without the duct burner firing, process 500 is the turbine and duct burner both combusting natural gas and process 600 is the turbine combusting distillate fuel oil and the duct burner firing natural gas or distillate fuel oil. Process 700 is the simultaneous firing of natural gas and distillate fuel oil in the gas turbine and the duct burner firing natural gas or distillate fuel oil. The ammonia emission limit from the PSD permit limits the facility's pound per hour emission rate. A CEMS is used to monitor ammonia emissions as nitrogen oxide. Permit conditions require a once per permit term ammonia stack test for compliance and to test the accuracy of the ammonia monitoring system. The permittee will comply with the 7.3 lb NH₃/hr limit while burning both gas and oil.

The gas turbine can dual fire both gas and fuel oil at the same time. Process 700 sets NO_x and CO emission limits when natural gas and fuel oil are co-fired. Since the emission limits vary based on fuel type, the emission limits are weighted based on heat input per fuel type.

The peak operating load (108% of base load) has hourly limits which are load weighted. The gas turbine operates at peak load during two or more quarters of an hour, that hour will be counted against the peak operating hour limit.

The permit contains conditions to limit the pounds of nitrogen oxides (NO_x) and carbon monoxide (CO) emitted during each 180-minute startup or shutdown period.

The following changes were made from the previous permit:

1. 6NYCRR Subpart 225-1 has been revised and now limits sulfur in distillate oil to 0.0015% sulfur by weight, which is more restrictive than the limit stated in the PSD permit. The PSD capping permit restricts sulfur in fuel to less than 0.25% sulfur by weight to limit emissions of sulfur dioxide. This PSD limit is more stringent than the 0.8% sulfur by weight in the NSPS for Stationary Gas Turbines, 40 CFR 60.333(b) subpart GG and the 0.5% sulfur by weight from the NSPS for Industrial-Commercial-Institutional Steam Generating Units in 40 CFR 60.42b(j) subpart Db, which applies to the duct burner. Each sulfur limit



applies but meeting the 0.0015% sulfur limit demonstrates compliance with subpart GG, subpart Db and PSD permit sulfur in fuel limits for oil.

2. The previous permit contained conditions for 6NYCRR Part 237 and Part 238 of the Clean Air Interstate Rule (CAIR), which has been repealed. Part 237 and 238 permit conditions have been removed from the permit.

3. Cross-State Air Pollution Rule (CSAPR) now applies to the facility. New conditions have been added to the permit under 40 CFR Part 97; Subpart AAAAA—CSAPR NO_x Annual Trading Program, Subpart BBBBB—CSAPR NO_x Ozone Season Group 1 Trading Program, and Subpart CCCCC—CSAPR SO₂ Group 1 Trading Program.

4. Conditions for the State CO₂ (Carbon Dioxide) Budget Trading Program, 6 NYCRR Part 242 have been added in this renewal. This regulation is designed to stabilize and then reduce anthropogenic emissions of CO₂, a greenhouse gas, from CO₂ budget sources in an economically efficient manner. Indeck Olean Energy Center is a CO₂ budget source and is subject to the rule.

5. Indeck Olean conducted a Reasonably Available Control Technology (RACT) analysis in December of 2011. The result showed that the current control equipment, steam injection and selective catalytic reduction device, are RACT. The emission limit for NO_x RACT is now 9 ppm when burning gas and 18 ppm when burning fuel oil, which replace the previous 42 ppm limit for gas and 65 ppm limit for oil. NO_x RACT is now the same as the existing limits in the PSD capping permit.

By way of background, this Title V permit includes conditions that originated in Prevention of Significant Deterioration of Air Quality (PSD, 40 CFR 52-A.21(j)) avoidance permit that was issued when the facility was constructed in 1992-93. The permit limits sulfur in fuel, and emissions of NO_x, CO, opacity, particulates, particulates less than ten microns in diameter (PM-10) and volatile organic compounds. The PSD capping permit limits actual emissions of CO to 156.6 tons per year (tpy), NO_x to 125.3 tpy, and sulfur dioxide to 138.0 tpy, and are included in this permit. The PSD capping permit states that the facility may only fire natural gas and distillate fuel oil in the gas turbine and duct burner. Fuel oil use in the turbine is limited to 4.94 million gallons and in the duct burner to 2.45 million gallons based on 365-day rolling total. All records must be kept for 5 years pursuant to 6 NYCRR Subpart 201-6.

The PSD capping permit limits the NO_x emissions to 9 parts per million (ppm) per hour when the gas turbine is combusting natural gas. The PSD capping



permit limits the NOx emissions to 18 ppm per hour when the gas turbine is combusting fuel oil. These limits are more restrictive than the 97 ppm NOx limit in the NSPS for Combustion Gas Turbines, 40 CFR 60 subpart GG 60.332(a)(1) for a four hour rolling average.

The permittee is exempt from the requirements of Continuous Assurance Monitoring (CAM), 40 CFR Part 64, because this permit requires a continuous emission monitoring system (CEMS) which provide continuous compliance determinations for NOx emissions. The potential to emit NOx is over 100 tons per year and control devices are used to reduce emissions. CAM does not apply to any other pollutants.

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: DAVID S DENK
 DIVISION OF ENVIRONMENTAL PERMITS
 270 MICHIGAN AVE
 BUFFALO, NY 14203-2915

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

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



DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

The permittee must submit a renewal application at least 180 days before 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 submitted prior to actual transfer of ownership.

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

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 9 Headquarters
Division of Environmental Permits
270 Michigan Avenue
Buffalo, NY 14203-2915
(716) 851-7165

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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600 N BUFFALO GROVE RD STE 300
BUFFALO GROVE, IL 60089-2432

Facility: INDECK OLEAN ENERGY CENTER
140 MOORE AVE
OLEAN, NY 14760

Authorized Activity By Standard Industrial Classification Code:
4911 - ELECTRIC SERVICES
4931 - ELEC & OTHER SERVICES COMBINED

Permit Effective Date: 04/06/2018

Permit Expiration Date: 04/05/2023



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.4 (a) (7): Fees
- 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR Subpart 201-6: Emission Unit Definition
- 22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 23 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- 24 6 NYCRR 211.1: Air pollution prohibited
- 25 6 NYCRR 225-1.2: Compliance Certification
- 26 40CFR 63, Subpart ZZZZ: Applicability
- 27 40CFR 63, Subpart ZZZZ: Compliance and Enforcement
- 28 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification
- 29 40CFR 63.6625(f), Subpart ZZZZ: Compliance Certification
- 30 40CFR 63.6655(f), Subpart ZZZZ: Compliance Certification
- 31 40 CFR Part 72: Facility Subject to Title IV Acid Rain Regulations and Permitting
- 32 40CFR 97.406, Subpart AAAAA: Compliance Certification
- 33 40CFR 97.506, Subpart BBBBB: Compliance Certification
- 34 40CFR 97.606, Subpart CCCCC: Compliance Certification

Emission Unit Level

- 35 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 36 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=O-00001

- 37 6 NYCRR Subpart 201-6: Compliance Certification
- *38 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *39 6 NYCRR Subpart 201-7: Capping Monitoring Condition



New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042

- *40 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *41 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *42 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *43 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *44 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *45 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *46 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *47 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *48 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *49 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 50 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40
CFR 60 Subpart A
- 51 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 52 40CFR 60.43b(f), NSPS Subpart Db: Compliance Certification
- 53 40CFR 60.49b(d), NSPS Subpart Db: Compliance Certification

EU=O-00001,EP=00001

- *54 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *55 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *56 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *57 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=O-00001,EP=00001,Proc=100

- *58 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *59 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=O-00001,EP=00001,Proc=200

- *60 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *61 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *62 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=O-00001,EP=00001,Proc=500

- *63 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *64 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *65 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *66 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *67 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *68 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *69 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *70 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *71 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *72 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *73 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *74 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=O-00001,EP=00001,Proc=600

- *75 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *76 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *77 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *78 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *79 6 NYCRR Subpart 201-7: Capping Monitoring Condition

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



- *80 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *81 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *82 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *83 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=O-00001,EP=00001,Proc=700

- *84 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *85 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *86 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *87 6 NYCRR Subpart 201-7: Capping Monitoring Condition

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 88 ECL 19-0301: Contaminant List
- 89 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 90 6 NYCRR 217-3.2: Idling of Diesel Trucks Limited
- 91 6 NYCRR Subpart 242-4: Compliance Demonstration
- 92 6 NYCRR 242-8.5: Compliance Demonstration

NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



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

Condition 2: Fees
Effective between the dates of 04/06/2018 and 04/05/2023

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

Item 2.1:

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

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 04/06/2018 and 04/05/2023

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

Item 3.1:

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

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

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

Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 04/06/2018 and 04/05/2023

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

Item 4.1:

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



reports required by the permit.

Condition 5: Compliance Certification
Effective between the dates of 04/06/2018 and 04/05/2023

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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



the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

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

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual



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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 6: Compliance Certification
Effective between the dates of 04/06/2018 and 04/05/2023

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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



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

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

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

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

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

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
NYSDEC Region 9 Headquarters
270 Michigan Avenue
Buffalo, NY 14203-2915

The address for the BQA is as follows:

NYSDEC



New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

Condition 8: Recordkeeping requirements
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

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

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

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

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

Condition 9: Open Fires - Prohibitions
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement:6 NYCRR 215.2



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: Facility Permissible Emissions
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 23.1:

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 000630-08-0 PTE: 313,106 pounds per year
Name: CARBON MONOXIDE

CAS No: 007446-09-5 PTE: 276,013 pounds per year
Name: SULFUR DIOXIDE

CAS No: 0NY210-00-0 PTE: 250,668 pounds per year
Name: OXIDES OF NITROGEN

Condition 24: Air pollution prohibited
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement:6 NYCRR 211.1

Item 24.1:

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 25: Compliance Certification
Effective between the dates of 04/06/2018 and 04/05/2023



Applicable Federal Requirement:6 NYCRR 225-1.2

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person will sell, offer for sale, purchase, or fire any fuel which exceeds the sulfur-in-fuel limitations of this Section, except as provided in Sections 225-1.3 or 225-1.4 of this Subpart. For the purposes of this Subpart liquid bio-fuels, other than waste oils, will be required to meet the sulfur-in-fuel standards of either number two heating oil or distillate oil.

Owners and/or operators of a stationary combustion installation that fires distillate oil other than number two heating oil are limited to the purchase of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2014 - [6NYCRR 225-1.2(g)].

Owners and/or operators of any stationary combustion installation that fires distillate oil including number two heating oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016 - [6NYCRR 225-1.2(h)].

Compliance with this limit will be based on vendor certifications. Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period.

This sulfur limit of 0.0015 percent sulfur by weight (15ppm) is more restrictive than the other sulfur limits provided in this permit. While this limit is more restrictive, all limits still apply.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL OIL
Parameter Monitored: SULFUR

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



The owner or operator of an existing emergency and black start compression ignition stationary RICE located at an area source of HAP emissions must comply with the following maintenance procedures:

- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
- (2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
- (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.6630.

Continuous compliance will then be demonstrated according to 40 CFR 63.6640. The facility must keep records according to the provisions in 40 CFR 63.6655 and submit the notifications and reports listed in 40 CFR 63.6645 and 63.6650.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 29: Compliance Certification
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 40CFR 63.6625(f), Subpart ZZZZ

Item 29.1:

The Compliance Certification activity will be performed for the Facility.

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, must install a non-resettable hour meter if one is not already installed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 30: Compliance Certification

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Effective between the dates of 04/06/2018 and 04/05/2023

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

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operation of any of the stationary RICE in paragraphs (1) or (2) below, requires the owner/operator to keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.

(1) An existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that does not meet the standards applicable to non-emergency engines.

(2) An existing emergency stationary RICE located at an area source of HAP emissions that does not meet the standards applicable to non-emergency engines.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 31: Facility Subject to Title IV Acid Rain Regulations and Permitting

Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement:40 CFR Part 72

Item 31.1: This facility is subject to the Title IV Acid Rain Regulations found in 40 CFR Parts 72, 73, 75, 76, 77 and 78. The Acid Rain Permit is an attachment to this permit.

Condition 32: Compliance Certification

Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement:40CFR 97.406, Subpart AAAAA

Item 32.1:

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 32.2:

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 NO_x Annual source (facility) and each TR NO_x 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 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 33: Compliance Certification
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement:40CFR 97.506, Subpart BBBBB

Item 33.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.513 through 97.518 of Subpart BBBBB. 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 NO_x Ozone Season source (facility) and each TR NO_x Ozone Season Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.530 through 97.535 of Subpart BBBBB 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 NO_x Ozone Season allowances and to determine compliance with the TR NO_x 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 TR NO_x Ozone Season facility and each TR NO_x Ozone Season Unit at the facility shall hold, in the facilities compliance account, TR NO_x Ozone Season allowances available for deduction for such control period under §97.524(a) in an amount not less than the tons of total NO_x emissions for such control period from all TR NO_x Ozone Season Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 34: Compliance Certification
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement:40CFR 97.606, Subpart CCCCC

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 34.2:

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 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 CCCCC 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

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



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

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

Condition 35: Emission Point Definition By Emission Unit
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 35.1:

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

Emission Unit: O-00001

Emission Point: 00001

Height (ft.): 175

Diameter (in.): 120

NYTMN (km.): 4665.064 NYTME (km.): 214.266 Building: 1

Condition 36: Process Definition By Emission Unit
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 36.1:

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

Emission Unit: O-00001

Process: 100

Source Classification Code: 2-02-002-03

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Process Description:

GE Frame 6 combustion gas turbine firing on natural gas and the duct burner not operating.

Emission Source/Control: 00CGT - Combustion

Design Capacity: 535 million Btu per hour

Emission Source/Control: 00SCR - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: STEAM - Control

Control Type: STEAM OR WATER INJECTION

Item 36.2:

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

Emission Unit: O-00001

Process: 200

Source Classification Code: 2-02-001-03

Process Description:

GE Frame 6 combustion gas turbine firing on distillate oil and the duct burner not operating.

Emission Source/Control: 00CGT - Combustion

Design Capacity: 535 million Btu per hour

Emission Source/Control: 00SCR - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: STEAM - Control

Control Type: STEAM OR WATER INJECTION

Item 36.3:

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

Emission Unit: O-00001

Process: 500

Source Classification Code: 2-02-002-03

Process Description:

GE Frame 6 combustion gas turbine and duct burner both firing natural gas.

Emission Source/Control: 000DB - Combustion

Design Capacity: 249 million Btu per hour

Emission Source/Control: 00CGT - Combustion

Design Capacity: 535 million Btu per hour

Emission Source/Control: 00SCR - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: STEAM - Control

Control Type: STEAM OR WATER INJECTION



Item 36.4:

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

Emission Unit: O-00001
Process: 600 Source Classification Code: 2-02-001-03
Process Description:
GE Frame 6 combustion gas turbine firing distillate oil
and the duct burner firing either natural gas or
distillate oil.

Emission Source/Control: 000DB - Combustion
Design Capacity: 249 million Btu per hour

Emission Source/Control: 00CGT - Combustion
Design Capacity: 535 million Btu per hour

Emission Source/Control: 00SCR - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: STEAM - Control
Control Type: STEAM OR WATER INJECTION

Item 36.5:

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

Emission Unit: O-00001
Process: 700 Source Classification Code: 2-02-002-01
Process Description:
GE Frame 6 combustion gas turbine firing natural gas and
distillate oil simultaneously, with or without the duct
burner firing natural gas or distillate oil.

Emission Source/Control: 000DB - Combustion
Design Capacity: 249 million Btu per hour

Emission Source/Control: 00CGT - Combustion
Design Capacity: 535 million Btu per hour

Emission Source/Control: 00SCR - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: STEAM - Control
Control Type: STEAM OR WATER INJECTION

Condition 37: Compliance Certification
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 37.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Emission Unit: O-00001

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. The combustion gas turbine must be operating when the duct burner is operating.
2. Monitor and record hourly fuel consumption for the gas turbine and the duct burner separately to show that the turbine is operating when the duct burner operates.
3. These records must be available for department staff to review upon request.

Monitoring Frequency: HOURLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 38: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 38.1:

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

40 CFR 52.21

Item 38.2:

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

Item 38.3:

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

Item 38.4:

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

Item 38.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement,

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 38.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001

Regulated Contaminant(s):

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

Item 38.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. The combustion inlet air temperature to the combustion gas turbine must continuously be measured and recorded. Measurements shall be accurate to within +/- 3 degrees Fahrenheit. This requirement is from the Prevention of Significant Deterioration (PSD) avoidance permit originally issued to the facility.
2. Report if the temperature measuring device operated properly during the quarter. If not, explain the problem and corrective actions taken.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 39: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 39.1:

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

40 CFR 52.21

Item 39.2:

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

Item 39.3:



New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042

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

Item 39.4:

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

Item 39.5:

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

Item 39.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001

Regulated Contaminant(s):

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

Item 39.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

- 1) The gas turbine may operate at Peak Load (108% of base load), but not for more than 500 hours during any consecutive 365 day period.
- 2) Daily, record the number of hours that the turbine operates at peak load and calculate the previous 365-day total hours of peak load operation. If the turbine operates at peak load during two or more quarters of an hour it will be counted as a peak load hour of operation.
- 3) Report the total hours the turbine operated at peak load during the previous 365 day period, as of the last day of the quarter.

Parameter Monitored: ENGINE OPERATION

Upper Permit Limit: 500 hours

Monitoring Frequency: HOURLY

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Averaging Method: ANNUAL TOTAL ROLLED DAILY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2018.
Subsequent reports are due every 3 calendar month(s).

Condition 40: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 40.1:

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

40 CFR 52.21

Item 40.2:

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

Item 40.3:

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

Item 40.4:

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

Item 40.5:

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

Item 40.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 40.7:

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

- 1.) The sulfur content of fuel oil is limited to 0.25% sulfur by weight. This limit was established to avoid applicability of the Prevention of Significant Deteriorations requirements in 40 CFR 52.21(j).
- 2.) The permittee has elected to sample each batch of oil delivered as allowed in 40 CFR 60.334(i)(1). Oil sampling may be performed either by the owner or operator, an outside laboratory, or a fuel supplier, provided that samples are representative and that sampling is performed according to either the single tank composite sampling procedure or the all-levels sampling procedure in ASTM D4057.
- 3.) The total sulfur content of the fuel shall be determined using approved analytical methods listed in 40 CFR 60.335(b)(10) or 40 CFR Part 75.
- 4.) The owner or operator shall submit reports of excess sulfur content in accordance with §60.7(c). Excess sulfur content is defined as when the sulfur content of a batch of oil delivered exceeds the sulfur in fuel limit above. If this occurs, the owner or operator shall immediately switch to one of the other oil sampling options (i.e., daily sampling, flow proportional sampling, or sampling from the unit's storage tank) until all of the oil from the delivery has been combusted. When all of the fuel from the delivery has been burned, the owner or operator may resume using the as-delivered sampling option [40CFR 60.334(j)(2)(ii)].
- 5.) All excess emission reports required under §60.7(c) shall be postmarked by the 30th day following the end of each calendar quarter [40 CFR 60.334(j)(5)].
- 6.) The 0.25% sulfur by weight limit required by 40 CFR 52.21(j) stated above is less restrictive than the 0.0015% sulfur by weight limit in 6NYCRR Part 225-1. Although subpart 225-1 is more restrictive, both limits still apply.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.25 percent by weight

Reference Test Method: Part 60.335 or Part 75

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Item 41.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

- 1.) The turbine shall not fire more than 4.94 million gallons of distillate fuel oil during any 365 day period. This limit is from the Prevention of Significant Deterioration (PSD) capping permit issued to the plant.
- 2.) Fuel oil use shall be recorded daily.
- 3.) Report the 365-day rolling total use of fuel oil for each day of a calendar quarter on a quarterly basis.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NUMBER 2 OIL

Upper Permit Limit: 4940000 gallons per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL TOTAL ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

**Condition 42: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023**

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 42.1:

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

40 CFR 52.21

Item 42.2:

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

Item 42.3:

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



Item 42.4:

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

Item 42.5:

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

Item 42.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 42.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

STARTUP or SHUTDOWN firing NATURAL GAS

The original PSD avoidance permit provided a three hour window during startup and shutdown when the emission limits were not enforce because the source could not technically meet them during these periods. It takes up to three hours of operation to generate the steam in the HRSG that is then injected into the GT to control NOx formation, and for the SCR media to come up to operating temperature. During a shutdown there may be limited steam available for steam injection to control NOx.

1.) Firing natural gas, the combustion gas turbine shall not emit more than 28 pounds of CO during a startup or shutdown period. A startup period begins when the combustion process is initiated and lasts for 180 minutes (three hours). A shutdown period begins when the unit goes below the lowest level of stable operation or 80% of MW production.

2.) The hourly emissions for any partial hour after the end of the 180 minutes of startup period or before a shutdown period, will be calculated following the procedures in 40CFR Part 60, where there must be at least

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



one minute of data outside the startup or shutdown period to be a valid 15-minute period. The calculated hourly average must comply with the normal operating emission limits.

3.) The total emissions from each startup and shutdown period shall be recorded. Data recording should be adjusted to reflect the CEM response time.

4.) CEM calibrations shall be avoided during the 180-minute startup or shutdown periods when feasible.

5.) Excess emissions shall be reported to the Department within 48 hours of occurrence and include an explanation of the cause, the corrective action and the actual emissions.

Manufacturer Name/Model Number: California Analytical Instruments Model 601

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 28 pounds

Reference Test Method: 40 CFR Part 60, Appendix B, PS 4A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 43: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 43.1:

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

40 CFR 52.21

Item 43.2:

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

Item 43.3:

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

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



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

Item 43.4:

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

Item 43.5:

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

Item 43.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 43.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

- 1) Emissions of carbon monoxide from the facility shall be limited to 156.6 tons per year to avoid Prevention of Significant Air Quality (PSD) review under 40 CFR 52.21. The facility shall use the continuous emissions monitoring system (CEMS) to monitor compliance with this limit.
- 2) The actual emissions in pounds per hour shall be calculated and summed for each 24-hour day.
- 3) Emissions from the previous 365-day periods shall be summed on a rolling daily basis.
- 4) The largest 365-day CO emission total during each semi-annual period shall be reported semi-annually, along with the date it occurred.

Manufacturer Name/Model Number: California Analytical Instruments Model 601

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 156.6 tons per year

Reference Test Method: 40 CFR Part 60, Appendix B, PS 4A

Monitoring Frequency: CONTINUOUS



New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042

Averaging Method: ANNUAL TOTAL ROLLED DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2018.
Subsequent reports are due every 6 calendar month(s).

Condition 44: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 44.1:

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

40 CFR 52.21

Item 44.2:

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

Item 44.3:

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

Item 44.4:

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

Item 44.5:

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

Item 44.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001

Regulated Contaminant(s):

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

Item 44.7:



New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042

period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 45.4:

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

Item 45.5:

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

Item 45.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001

Regulated Contaminant(s):

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

Item 45.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

STARTUP or SHUTDOWN firing FUEL OIL

The original PSD avoidance permit provided a three hour window during startup and shutdown when the emission limits were not enforce because the source could not technically meet them during these periods. It takes up to three hours of operation to generate the steam in the HRSG that is then injected into the GT to control NOx formation, and for the SCR media to come up to operating temperature. During a shutdown there may be limited steam available for steam injection to control NOx.

1.) Firing fuel oil, the combustion gas turbine shall not emit more than 248 pounds of NOx during a startup or shutdown period. A startup period begins when the combustion process is initiated and lasts for 180 minutes (three hours). A shutdown period begins when the unit goes below the lowest level of stable operation or 80% of MW production.

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



- 2.) The hourly emissions for any partial hour after the end of the 180 minutes of startup period or before a shutdown period, will be calculated following the procedures in 40CFR Part 60, where there must be at least one minute of data outside the startup or shutdown period to be a valid 15-minute period. The calculated hourly average must comply with the normal operating emission limits.
- 3.) The total emissions from each startup and shutdown period shall be recorded. Data recording should be adjusted to reflect the CEM response time.
- 4.) CEM calibrations shall be avoided during the 180-minute startup or shutdown periods when feasible.
- 5.) Excess emissions shall be reported to the Department within 48 hours of occurrence and include an explanation of the cause, the corrective action and the actual emissions.

Manufacturer Name/Model Number: California Analytical Instruments Model 600CLD

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 248 pounds

Reference Test Method: 40 CFR Part 60, Appendix B, PS 2

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 46: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 46.1:

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

40 CFR 52.21

Item 46.2:

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

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Item 46.3:

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

Item 46.4:

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

Item 46.5:

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

Item 46.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 46.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

- 1.) The duct burner shall not fire more than 2.45 million gallons of distillate fuel oil during any 365 day period. This limit is from the Prevention of Significant Deterioration (PSD) capping permit issued to the plant.
- 2.) Fuel oil use shall be recorded daily.
- 3.) Report the 365 day rolling total use of fuel oil for each day of a calendar quarter on a quarterly basis.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NUMBER 2 OIL

Upper Permit Limit: 2450000 gallons per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL TOTAL ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

STARTUP or SHUTDOWN firing NATURAL GAS

The original PSD avoidance permit provided a three hour window during startup and shutdown when the emission limits were not enforce because the source could not technically meet them during these periods. It takes up to three hours of operation to generate the steam in the HRSG that is then injected into the GT to control NOx formation, and for the SCR media to come up to operating temperature. During a shutdown there may be limited steam available for steam injection to control NOx.

- 1.) Firing natural gas, the combustion gas turbine shall not emit more than 156 pounds of NOx during a startup or shutdown period. A startup period begins when the combustion process is initiated and lasts for 180 minutes (three hours). A shutdown period begins when the unit goes below the lowest level of stable operation or 80% of MW production.
- 2.) The hourly emissions for any partial hour after the end of the 180 minutes of startup period or before a shutdown period, will be calculated following the procedures in 40CFR Part 60, where there must be at least one minute of data outside the startup or shutdown period to be a valid 15-minute period. The calculated hourly average must comply with the normal operating emission limits.
- 3.) The total emissions from each startup and shutdown period shall be recorded. Data recording should be adjusted to reflect the CEM response time.
- 4.) CEM calibrations shall be avoided during the 180-minute startup or shutdown periods when feasible.
- 5.) Excess emissions shall be reported to the Department within 48 hours of occurrence and include an explanation of the cause, the corrective action and the actual emissions.

Manufacturer Name/Model Number: California Analytical Instruments Model 600CLD

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 156 pounds

Reference Test Method: 40 CFR Part 60, Appendix B, PS 2

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 48: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 48.1:

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

40 CFR 52.21

Item 48.2:

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

Item 48.3:

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

Item 48.4:

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

Item 48.5:

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

Item 48.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 48.7:

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

STARTUP or SHUTDOWN firing FUEL OIL

The original PSD avoidance permit provided a three hour window during startup and shutdown when the emission limits were not enforce because the source could not technically meet them during these periods. It takes up to three hours of operation to generate the steam in the HRSG that is then injected into the GT to control NOx formation, and for the SCR media to come up to operating temperature. During a shutdown there may be limited steam available for steam injection to control NOx.

- 1.) Firing fuel oil, the combustion gas turbine shall not emit more than 46 pounds of CO during a startup or shutdown period. A startup period begins when the combustion process is initiated and lasts for 180 minutes (three hours). A shutdown period begins when the unit goes below the lowest level of stable operation or 80% of MW production.
- 2.) The hourly emissions for any partial hour after the end of the 180 minutes of startup period or before a shutdown period, will be calculated following the procedures in 40CFR Part 60, where there must be at least one minute of data outside the startup or shutdown period to be a valid 15-minute period. The calculated hourly average must comply with the normal operating emission limits.
- 3.) The total emissions from each startup and shutdown period shall be recorded. Data recording should be adjusted to reflect the CEM response time.
- 4.) CEM calibrations shall be avoided during the 180-minute startup or shutdown periods when feasible.
- 5.) Excess emissions shall be reported to the Department within 48 hours of occurrence and include an explanation of the cause, the corrective action and the actual emissions.

Manufacturer Name/Model Number: California Analytical Instruments Model 601

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 46 pounds

Reference Test Method: 40 CFR Part 60, Appendix B, PS 4A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2018.
Subsequent reports are due every 6 calendar month(s).

Condition 49: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 49.1:

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

40 CFR 52.21

Item 49.2:

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

Item 49.3:

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

Item 49.4:

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

Item 49.5:

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

Item 49.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



address:

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2
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 52: Compliance Certification
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement:40CFR 60.43b(f), NSPS Subpart Db

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 52.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

1.) No owner or operator shall allow the discharge of any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity [40 CFR 60.43b(f) and 6NYCRR 227-1.3(a)].

2.) The owner or operator shall install, calibrate, maintain, and operate a continuous monitoring system for measuring the opacity of emissions discharged to the atmosphere and record the output of the system [40CFR 60.48b(a)].

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



- 3.) The procedures found in 40 CFR 60.13 shall be followed for installation, evaluation, and operation of the continuous monitoring systems [40CFR 60.48b(e)].
- 4.) The owner or operator shall maintain records of opacity [40CFR 60.49b(f)].
- 5.) Excess emission reports shall be submitted every six months to the Administrator for any excess emissions which occurred during the reporting period [40CFR 60.49b(h) & 60.49b(w)]. If there is no excess opacity during the reporting period that should be stated in the periodic compliance report.

Manufacturer Name/Model Number: DURAG D-R 290 AW2

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40 CFR Part 60 Appendix B, PS 1

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 53: Compliance Certification
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 40CFR 60.49b(d), NSPS Subpart Db

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

DUCT BURNER

- 1.) The owner or operator shall record and maintain records of the amounts of each fuel combusted during each day in the duct burner and calculate the annual capacity factor individually for distillate oil and natural gas. Annual capacity factor means the ratio between the actual heat input to a steam generating unit from each fuel during a calendar year and the potential heat input to the



steam generating unit had it been operated for 8,760 hours during a calendar year at the maximum steady state design heat input capacity. The max heat input for natural gas shall be calculated using the 8760 hours while the annual capacity factor for distillate oil shall be calculated using 362,000 mmBtu as the maximum annual heat input due to 245 million gal oil limit set by this permit.

Max Heat Input on fuel oil is: 2450000 gallons x 20,000 Btu/lb x 7.4 lb/gal = 362,600 mmBtu potential on fuel oil.

2.) The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

3.) On a semi-annual basis report the annual capacity factor for each month of the reporting period.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 54: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 54.1:

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

40 CFR 52.21

Item 54.2:

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

Item 54.3:

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

Item 54.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the



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

Item 54.5:

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

Item 54.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001

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

Item 54.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

- 1.) The ammonia slip emissions shall not exceed 7.3 pounds per hour. This limit was established to avoid applicability of Prevention of Significant Deterioration (PSD) BACT requirements.
- 2.) The emissions shall be monitored by a continuous emission monitoring system (CEMS). The ammonia (NH₃) emissions are determined continuously by measuring the difference between the oxidized exhaust gas sample stream (NH₃ + NO₂ + NO) and the non-oxidized sample stream (NO₂ + NO). An NH₃ converter is used to oxidize NH₃ into NO which is then analyzed by a NO_x analyzer in the stack.
- 3.) The NH₃ converter must be maintained and serviced according to the manufactures recommendations.
- 4.) The oxidized gas stream NO_x analyzer must follow the daily calibration requirements of 40 CFR Part 60, Appendix F and 40 CFR Part 60.13(d).
- 5.) The non-oxidized gas sample NO_x analyzer that must conform to the 40 CFR Part 75 Quality Assurance conditions as required by other applicable regulations.
- 6.) Recordkeeping, reporting and monitoring shall be conducted according to 60.7 and 60.13.



New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042

Manufacturer Name/Model Number: California Analytical Instruments Model 600 CLD

Parameter Monitored: AMMONIA

Upper Permit Limit: 7.3 pounds per hour

Reference Test Method: 40 CFR Part 60, Appendix F & 40 CFR Part 60.13

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 55: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 55.1:

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

40 CFR 52.21

Item 55.2:

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

Item 55.3:

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

Item 55.4:

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

Item 55.5:

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

Item 55.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001

Emission Point: 00001

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 55.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

- 1.) The ammonia slip emissions shall not exceed 10 parts per million by volume (ppmv), dry, corrected to 15% oxygen. This limit was established to avoid applicability of Prevention of Significant Deterioration (PSD) BACT requirements.
- 2.) The emissions shall be monitored by a continuous emission monitoring system (CEMS). The ammonia (NH₃) emissions are determined continuously by measuring the difference between the oxidized exhaust gas sample stream (NH₃ + NO₂ + NO) and the non-oxidized sample stream (NO₂ + NO). An NH₃ converter is used to oxidize NH₃ into NO which is then analyzed by a NO_x analyzer in the stack.
- 3.) The NH₃ converter must be maintained and serviced according to the manufactures recommendations.
- 4.) The oxidized gas stream NO_x analyzer must follow the daily calibration requirements of 40 CFR Part 60, Appendix F and 40 CFR Part 60.13(d).
- 5.) The non-oxidized gas sample NO_x analyzer that must conform to the 40 CFR Part 75 Quality Assurance conditions as required by other applicable regulations.
- 6.) Recordkeeping, reporting and monitoring shall be conducted according to 60.7 and 60.13.

Manufacturer Name/Model Number: California Analytical Instruments Model 600 CLD

Parameter Monitored: AMMONIA

Upper Permit Limit: 10 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60, Appendix F & 40 CFR Part 60.13

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 56: Capping Monitoring Condition



Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 56.1:

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

40 CFR 52.21

Item 56.2:

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

Item 56.3:

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

Item 56.4:

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

Item 56.5:

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

Item 56.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001

Emission Point: 00001

Regulated Contaminant(s):

CAS No: 007664-41-7

AMMONIA

Item 56.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

- 1.) The ammonia slip emissions shall not exceed 7.3 pounds per hour. This limit was established to avoid



applicability of Prevention of Significant Deterioration (PSD) BACT requirements.

2.) Once a permit term an ammonia stack test shall be conducted to demonstrate compliance with the respective emission limit, and to test the accuracy of the plants ammonia monitoring system. The test only needs to be conducted on one fuel per test.

3.) An emission test protocol must be submitted at least 30 days before the planned testing. A test report shall be submitted within 60 days of the test.

Parameter Monitored: AMMONIA

Upper Permit Limit: 7.3 pounds per hour

Reference Test Method: 40CFR Pt 63 App A, Method 301 and EPA CTM-027

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 57: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 57.1:

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

40 CFR 52.21

Item 57.2:

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

Item 57.3:

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

Item 57.4:

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

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Item 57.5:

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

Item 57.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001

Emission Point: 00001

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 57.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

- 1.) The ammonia slip emissions shall not exceed 10 parts per million by volume (ppmv), dry, corrected to 15% oxygen. This limit was established to avoid applicability of Prevention of Significant Deterioration (PSD) BACT requirements.
- 2.) Once a permit term an ammonia stack test shall be conducted to demonstrate compliance with the respective emission limit, and to test the accuracy of the plants ammonia monitoring system. The test only needs to be conducted on one fuel per year.
- 3.) An emission test protocol must be submitted at least 30 days before the planned testing. A test report shall be submitted within 60 days of the test.

Manufacturer Name/Model Number: California Analytical Instruments Model 600 CLD

Parameter Monitored: AMMONIA

Upper Permit Limit: 10 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: 40CFR Pt 63 App A, Method 301 and EPA CTM-027

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 58: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 58.1:

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



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

40 CFR 52.21

Item 58.2:

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

Item 58.3:

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

Item 58.4:

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

Item 58.5:

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

Item 58.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 100

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

Item 58.7:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
NORMAL OPERATION FOR THE TURBINE FIRING ALONE ON NATURAL
GAS:

1.) Emissions of carbon monoxide (CO) from the gas turbine while firing natural gas without the duct burner

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



firing shall not exceed an hourly average of 10 ppmvd (dry, corrected to 15% oxygen). This limit was established to avoid the applicability of Prevention of Significant Deterioration (PSD) BACT requirements. This permit contains an alternative mass emission limit that applies during periods of startup and shutdown.

2.) A continuous emission monitoring system must be used to monitor CO emissions according to 40 CFR Part 60, Appendix B, Performance Specification 4A.

3.) Recordkeeping, reporting and monitoring shall be conducted according to 40 CFR 60.7 and 40 CFR 60.13.

4.) The owner or operator shall submit reports of excess emissions and monitor downtime, in accordance with 40 CFR 60.7(c).

Manufacturer Name/Model Number: California Analytical Instruments Model 601

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 10 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60, Appendix B, PS 4A

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 59: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 59.1:

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

40 CFR 52.21

Item 59.2:

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

Item 59.3:

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

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



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

Item 59.4:

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

Item 59.5:

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

Item 59.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 100

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

Item 59.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NORMAL OPERATION FOR THE TURBINE ALONE FIRING ON NATURAL

GAS:

- 1.) Emissions of oxides of nitrogen (NO_x) from the gas turbine while firing natural gas, without the duct burner firing, shall not exceed an hourly average of 9 ppmvd (dry, corrected to 15% oxygen). This limit was established to avoid the applicability of Prevention of Significant Deterioration (PSD) BACT requirements. This permit contains an alternative mass emission limit that applies during periods of startup and shutdown.
- 2.) A continuous emission monitoring system must be used to monitor NO_x emissions according to 40 CFR Part 60, Appendix B, Performance Specification 2.
- 3.) Recordkeeping, reporting and monitoring shall be conducted according to 40 CFR 60.7 and 40 CFR 60.13.



Item 61.4:

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

Item 61.5:

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

Item 61.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 200

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

Item 61.7:

Compliance Certification shall include the following monitoring:

- Capping: Yes
- Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
- Monitoring Description:
NORMAL OPERATION FOR THE TURBINE ALONE FIRING DISTILLATE OIL:
 - 1.) Emissions of oxides of nitrogen (NO_x) from the gas turbine while firing fuel oil without the duct burner firing, shall not exceed an hourly average of 18 ppmvd (dry, corrected to 15% oxygen). This limit was established to avoid the applicability of Prevention of Significant Deterioration (PSD) BACT requirements. This permit contains an alternative mass emission limit that applies during periods of startup and shutdown.
 - 2.) A continuous emission monitoring system must be used to monitor NO_x emissions according to 40 CFR Part 60, Appendix B, Performance Specification 2.
 - 3.) Recordkeeping, reporting and monitoring shall be conducted according to 40 CFR 60.7 and 40 CFR 60.13.
 - 4.) The owner or operator shall submit reports of excess emissions and monitor downtime, in accordance with 40 CFR 60.7(c).

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Emission Unit: O-00001
Process: 200

Emission Point: 00001

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

Item 62.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NORMAL OPERATION FOR THE TURBINE ALONE FIRING DISTILLATE OIL:

- 1.) Emissions of carbon monoxide (CO) from the gas turbine while firing fuel oil without the duct burner firing shall not exceed an hourly average of 10 ppmvd (dry, corrected to 15% oxygen). This limit was established to avoid the applicability of Prevention of Significant Deterioration (PSD) BACT requirements. This permit contains an alternative mass emission limit that applies during periods of startup and shutdown.
- 2.) A continuous emission monitoring system must be used to monitor CO emissions according to 40 CFR Part 60, Appendix B, Performance Specification 4A.
- 3.) Recordkeeping, reporting and monitoring shall be conducted according to 40 CFR 60.7 and 40 CFR 60.13.
- 4.) The owner or operator shall submit reports of excess emissions and monitor downtime, in accordance with 40 CFR 60.7(c).

Manufacturer Name/Model Number: California Analytical Instruments Model 601

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 10 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60, Appendix B, PS 4A

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 63: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023



Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 63.1:

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

40 CFR 52.21

Item 63.2:

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

Item 63.3:

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

Item 63.4:

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

Item 63.5:

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

Item 63.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 500

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

Item 63.7:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
STACK TESTING OF THE TURBINE AND DUCT BURNER WHILE FIRING
NATURAL GAS

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



- 1.) Particulate emissions from the gas turbine and duct burner together while firing natural gas shall not exceed 0.0086 lb/mmBtu. This limit was established to avoid applicability of Prevention of Significant Deterioration (PSD) BACT requirements and is based on the higher heating value of the fuel.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing and submit a test report within 60 days of testing.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.0086 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A, Method 5 or 17

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 64: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 64.1:

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

40 CFR 52.21

Item 64.2:

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

Item 64.3:

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

Item 64.4:

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

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 64.5:

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

Item 64.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 500

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

Item 64.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

PEAK LOAD OPERATION for the TURBINE AND DUCT BURNER FIRING NATURAL GAS:

1.) Under PEAK LOAD the combined emissions of carbon monoxide (CO) from the gas turbine and duct burner while firing natural gas shall not exceed the values from the attached performance curves (Figure # 6) for the corresponding combustion air inlet temperature. The CO limit of 35.0 lb/hr corresponds to an inlet air temperature of 46 degrees F.

2.) The gas turbine typically operates at peak load for portions of an hour and operates the balance of the hour at base load. Therefore, the hourly average stack emissions shall not exceed the emission limit as calculated in item 3 when the gas turbine operates at peak load for any portion of a clock hour.

$$3.) E = (E1 + E2 + E3 + E4)/4$$

Where,

E is the emission limit in pounds per hour

E1 is the calculated emission limit for the 1st quarter of the hour*,

E2 is the calculated emission limit for the 2nd quarter of the hour,

E3 is the calculated emission limit for the 3rd quarter of the hour,

E4 is the calculated emission limit for the 4th quarter of

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



the hour,

* The computer that operates the gas turbine calculates an equivalent hourly emission limit for each minute of operation based on ambient air temperature and load, among other factors. The temperature and load curves are attached. The equivalent hourly emission limit for each minute is used to calculate the equivalent hourly emission limit for each quarter in the hour.

4.) The emissions shall be monitored by a continuous monitoring system (CEMS) meeting Performance Specification 4A in 40 CFR 60 Appendix B.

5.) The actual emissions and the calculated limit must be recorded each hour.

6.) Record keeping, reporting and monitoring shall be conducted according to 40 CFR 60.7 and 40 CFR 60.13. (The 35.0 lb/hr limit below is a place holder for this condition. The enforceable limit varies according to item 3 above.)

Manufacturer Name/Model Number: California Analytical Instruments Model 601

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 35.0 pounds per hour

Reference Test Method: 40 CFR Part 60, Appendix B, PS 4A

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 65: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 65.1:

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

40 CFR 52.21

Item 65.2:

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

Item 65.3:

The owner or operator of the permitted facility must maintain all required records on-site for a



New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042

period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 65.4:

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

Item 65.5:

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

Item 65.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 500

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

Item 65.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NORMAL OPERATION FOR THE TURBINE AND DUCT BURNER FIRING ON NATURAL GAS:

- 1.) Emissions of oxides of nitrogen (NOx) from the gas turbine while firing natural gas with the duct burner firing natural gas, shall not exceed an hourly average of 9 ppmvd (dry, corrected to 15% oxygen). This limit was established avoid applicability of Prevention of Significant Deterioration (PSD) BACT requirements. This permit contains an alternative mass emission limit that applies during periods of startup and shutdown.
- 2.) A continuous emission monitoring system must be used to monitor NOx emissions according to 40 CFR Part 60, Appendix B, Performance Specification 2.
- 3.) Recordkeeping, reporting and monitoring shall be conducted according to 40 CFR 60.7 and 40 CFR 60.13.

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



the Act.

Item 66.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001
Process: 500

Emission Point: 00001

Regulated Contaminant(s):

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

Item 66.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NORMAL OPERATION FOR THE TURBINE AND DUCT BURNER FIRING
ON NATURAL GAS:

- 1.) Combined emissions of oxides of nitrogen (NO_x) from the gas turbine and duct burner while firing natural gas shall not exceed the values from the attached performance curves (Figure # 4) under full load for the corresponding combustion air inlet temperature. The NO_x limit of 23.8 lb/hr corresponds to an inlet air temperature of 46 degrees F. This limit was established avoid applicability of Prevention of Significant Deterioration (PSD) BACT requirements and is based on the higher heating value of the fuel. This permit contains an alternative mass emission limit that applies during periods of startup and shutdown.
- 2.) The emissions shall be monitored by a continuous monitoring system (CEMS) meeting Performance Specification 2 in 40 CFR 60 Appendix B.
- 3.) Recordkeeping, reporting and monitoring shall be conducted according to 40 CFR 60.7 and 40 CFR 60.13.
- 4.) Report the Quality Assurance test results required by 40 CFR 60 Appendix F, and the excess emissions reports required by 40 CFR 60.7.

Manufacturer Name/Model Number: California Analytical Instruments Model 600 CLD

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 23.8 pounds per hour

Reference Test Method: 40 CFR Part 60, Appendix B, PS 2

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Reports due 30 days after the reporting period.
The initial report is due 7/30/2018.
Subsequent reports are due every 3 calendar month(s).

Condition 67: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 67.1:

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

40 CFR 52.21

Item 67.2:

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

Item 67.3:

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

Item 67.4:

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

Item 67.5:

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

Item 67.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001
Process: 500

Emission Point: 00001

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

Item 67.7:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NORMAL OPERATION FOR THE TURBINE AND DUCT BURNER FIRING ON NATURAL GAS:

- 1.) Combined emissions of carbon monoxide (CO) from the gas turbine and duct burner while firing natural gas shall not exceed the values from the attached performance curves (Figure # 4) under full load for the corresponding combustion air inlet temperature. The CO limit of 35.0 lb/hr corresponds to an inlet air temperature of 46 degrees F. This limit was established to avoid applicability of Prevention of Significant Deterioration (PSD) BACT requirements and is based on the higher heating value of the fuel. This permit contains an alternative mass emission limit that applies during periods of startup and shutdown.
- 2.) The emissions shall be monitored by a continuous monitoring system (CEMS) meeting Performance Specification 4A in 40 CFR 60 Appendix B.
- 3.) Recordkeeping, reporting and monitoring shall be conducted according to 40 CFR 60.7 and 40 CFR 60.13.
- 4.) Report the Quality Assurance test results required by 40 CFR 60 Appendix F, and the excess emissions reports required by 40 CFR 60.7.

Manufacturer Name/Model Number: California Analytical Instruments Model 601

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 35.0 pounds per hour

Reference Test Method: 40 CFR Part 60, Appendix B, PS 4A

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 68: Capping Monitoring Condition

Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 68.1:

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

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



otherwise be subject to:

40 CFR 52.21

Item 68.2:

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

Item 68.3:

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

Item 68.4:

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

Item 68.5:

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

Item 68.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001
Process: 500

Emission Point: 00001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 68.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NORMAL OPERATION FOR THE TURBINE AND DUCT BURNER FIRING ON NATURAL GAS:

1.) Emissions of carbon monoxide (CO) from the gas turbine while firing natural gas with the duct burner firing natural gas shall not exceed an hourly average of 21.7 ppmvd (dry, corrected to 15% oxygen). This limit was established avoid applicability of Prevention of Significant Deterioration (PSD) BACT requirements. This

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



permit contains an alternative mass emission limit that applies during periods of startup and shutdown.

2.) A continuous emission monitoring system must be used to monitor CO emissions according to 40 CFR Part 60, Appendix B, Performance Specification 4A.

3.) Recordkeeping, reporting and monitoring shall be conducted according to 40 CFR 60.7 and 40 CFR 60.13.

4.) The owner or operator shall submit reports of excess emissions and monitor downtime, in accordance with 40 CFR 60.7(c).

Manufacturer Name/Model Number: California Analytical Instruments Model 601

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 21.7 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60, Appendix B, PS 4A

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 69: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 69.1:

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

40 CFR 52.21

Item 69.2:

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

Item 69.3:

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

Item 69.4:



New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042

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

Item 69.5:

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

Item 69.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 500

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

Item 69.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

STACK TESTING OF THE TURBINE AND DUCT BURNER WHILE FIRING
NATURAL GAS:

- 1.) Particulate emissions from the gas turbine and duct burner together while firing natural gas shall not exceed 3.42 lb/hr. This limit was established to avoid applicability of Prevention of Significant Deterioration (PSD) BACT requirements and is based on the higher heating value of the fuel.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing and submit a test report within 60 days of testing.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 3.42 pounds per hour

Reference Test Method: 40 CFR Part 60, Appendix A, Method 5 or 17

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



Condition 70: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 70.1:

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

40 CFR 52.21

Item 70.2:

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

Item 70.3:

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

Item 70.4:

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

Item 70.5:

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

Item 70.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 500

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

Item 70.7:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING



New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042

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

Item 71.5:

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

Item 71.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 500

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

Item 71.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

STACK TESTING OF THE TURBINE AND DUCT BURNER WHILE FIRING NATURAL GAS

- 1.) PM-10 emissions from the gas turbine and duct burner together while firing natural gas shall not exceed 3.42 lb/hr. This limit was established to avoid applicability of Prevention of Significant Deterioration (PSD) BACT requirements and is based on the higher heating value of the fuel.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing and submit a test report within 60 days of testing.

Parameter Monitored: PM-10

Upper Permit Limit: 3.42 pounds per hour

Reference Test Method: 40 CFR Part 51, Appendix M, Methods 201/202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



Condition 72: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 72.1:

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

40 CFR 52.21

Item 72.2:

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

Item 72.3:

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

Item 72.4:

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

Item 72.5:

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

Item 72.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 500

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

Item 72.7:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Monitoring Description:

STACK TESTING OF THE TURBINE AND DUCT BURNER WHILE FIRING NATURAL GAS:

- 1.) PM-10 emissions from the gas turbine and duct burner together while firing natural gas shall not exceed 0.0086 lb/mmBtu. This limit was established to avoid applicability of Prevention of Significant Deterioration (PSD) BACT requirements and is based on the higher heating value of the fuel.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing and submit a test report within 60 days of testing.

Parameter Monitored: PM-10

Upper Permit Limit: 0.0086 pounds per million Btus

Reference Test Method: 40 CFR Part 51, Appendix M, Method 201/202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 73: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 73.1:

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

40 CFR 52.21

Item 73.2:

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

Item 73.3:

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

Item 73.4:



New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042

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

Item 73.5:

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

Item 73.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 500

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

Item 73.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

STACK TESTING OF THE TURBINE AND DUCT BURNER WHILE FIRING NATURAL GAS

- 1.) Volatile organic compound (VOC) emissions from the gas turbine and duct burner together while firing natural gas shall not exceed 1.0 lb/hr. This limit was established to avoid applicability of Prevention of Significant Deterioration (PSD) BACT requirements and is based on the higher heating value of the fuel.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing and submit a test report within 60 days of testing.

Parameter Monitored: VOC

Upper Permit Limit: 1.0 pounds per hour

Reference Test Method: 40 CFR Part 60, Appendix A, Method 25

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



Condition 74: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 74.1:

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

40 CFR 52.21

Item 74.2:

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

Item 74.3:

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

Item 74.4:

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

Item 74.5:

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

Item 74.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 500

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

Item 74.7:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)



Monitoring Description:

PEAK LOAD OPERATION for the TURBINE AND DUCT BURNER FIRING NATURAL GAS:

1.) Under PEAK LOAD the combined emissions of nitrogen oxide (NOx) from the gas turbine and duct burner while firing natural gas shall not exceed the values from the attached performance curves (Figure # 6) for the corresponding combustion air inlet temperature. The NOx limit of 25.02 lb/hr corresponds to an inlet air temperature of 46 degrees F.

2.) The gas turbine typically operates at peak load for a portion of an hour and operates the balance of the hour at base load. Therefore, the hourly average stack emissions shall not exceed the emission limit as calculated in item 3 below when the gas turbine operates at peak load for any portion of a clock hour.

3.) $E = (E1 + E2 + E3 + E4)/4$

Where,

E is the emission limit in pounds per hour

E1 is the calculated emission limit for the 1st quarter of the hour*

E2 is the calculated emission limit for the 2nd quarter of the hour

E3 is the calculated emission limit for the 3rd quarter of the hour

E4 is the calculated emission limit for the 4th quarter of the hour

* The computer that operates the gas turbine calculates an equivalent hourly emission limit for each minute of operation based on ambient air temperature and load, among other factors. The temperature and load curves are attached. The equivalent hourly emission limit for each minute is used to calculate the equivalent hourly emission limit for each quarter in the hour.

4.) The emissions shall be monitored by a continuous monitoring system (CEMS) meeting Performance Specification 4A in 40 CFR 60 Appendix B.

5.) The actual emissions and the calculated limit must be recorded each hour.

6.) Record keeping, reporting and monitoring shall be conducted according to 40 CFR 60.7 and 40 CFR 60.13.

7.) Any excess emissions should be reported following the requirements of 60.7(c) and submitted quarterly. (The

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Item 75.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 600

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

Item 75.7:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:
Fuel oil burning in the gas turbine and the duct burner is
limited to 1440 hours per year.

Work Practice Type: HOURS PER YEAR OPERATION
Upper Permit Limit: 1440 hours
Monitoring Frequency: HOURLY
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 12 calendar month(s).

Condition 76: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 76.1:

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

40 CFR 52.21

Item 76.2:

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

Item 76.3:

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

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Item 76.4:

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

Item 76.5:

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

Item 76.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 600

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

Item 76.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

STACK TESTING OF THE TURBINE AND DUCT BURNER WHILE FIRING
#2 FUEL OIL

- 1.) Volatile organic compounds (VOC) emissions from the gas turbine and duct burner while firing fuel oil shall not exceed 0.005 lb/mmBtu. This limit was established to avoid applicability of Prevention of Significant Deterioration (PSD) BACT requirements and is based on the higher heating value of the fuel.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing and submit a test report within 60 days of testing.

Parameter Monitored: VOC

Upper Permit Limit: 0.005 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A, Method 25

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 77: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 77.1:

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

40 CFR 52.21

Item 77.2:

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

Item 77.3:

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

Item 77.4:

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

Item 77.5:

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

Item 77.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 600

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

Item 77.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Item 78.4:

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

Item 78.5:

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

Item 78.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 600

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

Item 78.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

STACK TESTING OF THE TURBINE AND DUCT BURNER WHILE FIRING
#2 FUEL OIL

- 1.) Particulate emissions from the gas turbine and duct burner together while firing fuel oil shall not exceed 36.5 lb/hr. This limit was established to avoid applicability of Prevention of Significant Deterioration (PSD) BACT requirements and is based on the higher heating value of the fuel.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing and submit a test report within 60 days of testing.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 36.5 pounds per hour

Reference Test Method: 40 CFR Part 60, Appendix A, Method 5 or 17

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 79: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 79.1:

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

40 CFR 52.21

Item 79.2:

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

Item 79.3:

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

Item 79.4:

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

Item 79.5:

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

Item 79.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 600

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

Item 79.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

STACK TESTING OF THE TURBINE AND DUCT BURNER WHILE FIRING #2 FUEL OIL

- 1.) Particulate emissions from the gas turbine and duct burner together while firing fuel oil shall not exceed 0.087 lb/mmBtu. This limit was established to avoid applicability of Prevention of Significant Deterioration (PSD) BACT requirements and is based on the higher heating value of the fuel.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing and submit a test report within 60 days of testing.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.087 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A, Method 5 or 17

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 80: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 80.1:

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

40 CFR 52.21

Item 80.2:

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

Item 80.3:

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

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Emission Unit: O-00001
Process: 600

Emission Point: 00001

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

Item 81.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NORMAL OPERATION FOR THE TURBINE AND DUCT BURNER FIRING
DISTILLATE OIL:

- 1.) Emissions of carbon monoxide (CO) from the gas turbine while firing fuel oil and with the duct burner firing fuel oil or natural gas shall not exceed an hourly average of 24 ppmvd (dry, corrected to 15% oxygen). This limit was established avoid applicability of Prevention of Significant Deterioration (PSD) BACT requirements. This permit contains an alternative mass emission limit that applies during periods of startup and shutdown.
- 2.) A continuous emission monitoring system must be used to monitor CO emissions according to 40 CFR Part 60, Appendix B, Performance Specification 4A.
- 3.) Recordkeeping, reporting and monitoring shall be conducted according to 40 CFR 60.7 and 40 CFR 60.13.
- 4.) The owner or operator shall submit reports of excess emissions and monitor downtime, in accordance with 40 CFR 60.7(c).

Manufacturer Name/Model Number: California Analytical Instruments Model 601

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 24 parts per million by volume (dry,
corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60, Appendix A, Method 10

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 82: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Item 82.1:

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

40 CFR 52.21

Item 82.2:

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

Item 82.3:

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

Item 82.4:

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

Item 82.5:

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

Item 82.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001

Emission Point: 00001

Process: 600

Regulated Contaminant(s):

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

Item 82.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NORMAL OPERATION FOR THE TURBINE AND DUCT BURNER FIRING
DISTILLATE OIL:

1.) Combined emissions of oxides of nitrogen (NO_x) from

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 83.4:

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

Item 83.5:

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

Item 83.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 600

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

Item 83.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NORMAL OPERATION FOR THE TURBINE AND DUCT BURNER FIRING
DISTILLATE OIL:

1.) Combined emissions of carbon monoxide (CO) from the gas turbine and duct burner while firing distillate oil shall not exceed the values from the attached performance curves (Figure # 3) under full load for the corresponding combustion air inlet temperature. The CO limit of 38.6 lb/hr corresponds to an inlet air temperature of 46 degrees F. This limit was established to avoid applicability of Prevention of Significant Deterioration (PSD) BACT requirements and is based on the higher heating value of the fuel. This permit contains an alternative mass emission limit that applies during periods of startup and shutdown.

2.) The emissions shall be monitored by a continuous monitoring system (CEMS) meeting Performance Specification 4A in 40 CFR 60 Appendix B.

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



3.) Recordkeeping, reporting and monitoring shall be conducted according to 40 CFR 60.7 and 40 CFR 60.13.

4.) Report the Quality Assurance test results required by 40 CFR 60 Appendix F, and the excess emissions reports required by 40 CFR 60.7.

Manufacturer Name/Model Number: California Analytical Instruments Model 601

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 38.6 pounds per hour

Reference Test Method: 40 CFR Part 60, Appendix B, PS 4A

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 84: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 84.1:

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

40 CFR 52.21

Item 84.2:

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

Item 84.3:

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

Item 84.4:

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

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



Item 84.5:

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

Item 84.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 700

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

Item 84.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO-FIRING NATURAL GAS AND OIL

1.) When co-firing natural gas and fuel oil in the CGT the source may not exceed the emission limit as calculated below in item 2. This limit is based on heat input corresponding to the higher heating value of the fuel burned.

$$2.) E = ((Eng \times Hng) + (Eo \times Ho)) / (Hng + Ho)$$

where

E is the carbon monoxide (CO) limit in pounds per hour

Eng is the natural gas CO limit from the PSD avoidance conditions, 35.0 lb/hr*

Eo is the fuel oil CO limit from the PSD avoidance conditions, 38.5 lb/hr*

Hng is the heat input from natural gas during the hour, calculated as the sum of the total volume of gas for the hour (based on totals for each 15-minute period of the hour) multiplied by the Higher Heating Value (HHV, Btu content) of the gas, where the HHV is obtained from the monthly gas sample as required by 40 CFR Part 75, Appendix D, section 2.3

Ho is the heat input from the fuel oil during the hour, calculated as the sum of the total volume of oil for the hour (based on totals for each 15-minute period of the hour) multiplied by the HHV and oil density. The HHV and oil density are the highest values from the previous calendar year unless higher ones are obtained as required by 40 CFR Part 75, Appendix D, section 2.2

* The mass emission rates (lb/hr) correspond to an ambient temperature of 46 F. Use figure 3, attached, to



correlate these limits to current ambient temperatures.

3.) The actual emissions and the calculated limit must be recorded each hour.

4.) Any excess emissions above the limit should be reported following the requirements of 60.7(c) and submitted quarterly. (The 38.6 lb/hr limit below is a place holder for this condition. The enforceable limit varies according to item 2 above.)

Manufacturer Name/Model Number: California Analytical Instruments Model 601

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 38.6 pounds per hour

Reference Test Method: 40 CFR Part 60, Appendix B, PS 2

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 85: Capping Monitoring Condition

Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 85.1:

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

40 CFR 52.21

Item 85.2:

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

Item 85.3:

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

Item 85.4:

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

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 85.5:

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

Item 85.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001
Process: 700

Emission Point: 00001

Regulated Contaminant(s):

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

Item 85.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO-FIRING NATURAL GAS AND OIL

1.) When co-firing natural gas and fuel oil in the CGT the source may not exceed the emission limit as calculated below.

2.) $E = ((Eng \times Hng) + (Eo \times Ho)) / (Hng + Ho)$

where

E is the nitrogen oxide (NO_x) limit in parts per million

Eng is the natural gas NO_x limit from the PSD avoidance conditions, 9 ppm

Eo is the fuel oil NO_x limit from the PSD avoidance conditions, 18 ppm

Hng is the heat input from natural gas during the hour, calculated as the sum of the total volume of gas for the hour (based on totals for each 15-minute period of the hour) multiplied by the Higher Heating Value (HHV, Btu content) of the gas, where the HHV is obtained from the monthly gas sample as required by 40 CFR Part 75, Appendix D, section 2.3

Ho is the heat input from the fuel oil during the hour, calculated as the sum of the total volume of oil for the hour (based on totals for each 15-minute period of the hour) multiplied by the HHV and oil density. The HHV and oil density are the highest values from the previous calendar year unless higher ones are obtained as required by 40 CFR Part 75, Appendix D, section 2.2



Item 86.5:

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

Item 86.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 700

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

Item 86.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO-FIRING NATURAL GAS AND OIL

1.) When co-firing natural gas and fuel oil in the CGT the source may not exceed the emission limit as calculated below.

$$2.) E = ((Eng \times Hng) + (Eo \times Ho)) / (Hng + Ho)$$

where

E is the carbon monoxide (CO) limit in parts per million

Eng is the natural gas CO limit from the PSD avoidance conditions, 21.7 ppmvd

Eo is the fuel oil CO limit from the PSD avoidance conditions, 24 ppmvd

Hng is the heat input from natural gas during the hour, calculated as the sum of the total volume of gas for the hour (based on totals for each 15-minute period of the hour) multiplied by the Higher Heating Value (HHV, Btu content) of the gas, where the HHV is obtained from the monthly gas sample as required by 40 CFR Part 75, Appendix D, section 2.3

Ho is the heat input from the fuel oil during the hour, calculated as the sum of the total volume of oil for the hour (based on totals for each 15-minute period of the hour) multiplied by the HHV and oil density. The HHV and oil density are the highest values from the previous calendar year unless higher ones are obtained as required by 40 CFR Part 75, Appendix D, section 2.2

3.) The actual emissions and the calculated limit must be recorded each hour.

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



4.) Any excess emissions above the limit should be reported following the requirements of 60.7(c) and submitted quarterly. (The 24 ppmvd limit below is a placeholder for this condition. The enforceable limit varies according to item 2 above.)

Manufacturer Name/Model Number: California Analytical Instruments Model 601

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 24 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60, Appendix B, PS 4A

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 87: Capping Monitoring Condition
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 87.1:

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

40 CFR 52.21

Item 87.2:

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

Item 87.3:

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

Item 87.4:

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

Item 87.5:

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



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

Item 87.6:

The Compliance Certification activity will be performed for:

Emission Unit: O-00001 Emission Point: 00001
Process: 700

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

Item 87.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO-FIRING NATURAL GAS AND OIL

1.) When co-firing natural gas and fuel oil in the CGT the source may not exceed the emission limit as calculated in item 2 below. This limit is based on heat input corresponding to the higher heating value of the fuel burned.

$$2.) E = ((Eng \times Hng) + (Eo \times Ho)) / (Hng + Ho)$$

where

E is the nitrogen oxide (NOx) limit in pounds per hour

Eng is the natural gas NOx limit from the PSD avoidance conditions, 23.8 lb/hr*

Eo is the fuel oil NOx limit from the PSD avoidance conditions, 47.8 lb/hr*

Hng is the heat input from natural gas during the hour, calculated as the sum of the total volume of gas for the hour (based on totals for each 15-minute period of the hour) multiplied by the Higher Heating Value (HHV, Btu content) of the gas, where the HHV is obtained from the monthly gas sample as required by 40 CFR Part 75, Appendix D, section 2.3

Ho is the heat input from the fuel oil during the hour, calculated as the sum of the total volume of oil for the hour (based on totals for each 15-minute period of the hour) multiplied by the HHV and oil density. The HHV and oil density are the highest values from the previous calendar year unless higher ones are obtained as required by 40 CFR Part 75, Appendix D, section 2.2

* The mass emission rates (lb/hr) correspond to an ambient temperature of 46 F. Use figure 3, attached, to correlate these limits to current ambient

New York State Department of Environmental Conservation

Permit ID: 9-0412-00042/00011

Facility DEC ID: 9041200042



temperatures.

3.) The actual emissions and the calculated limit must be recorded each hour.

4.) Any excess emissions above the limit should be reported following the requirements of 60.7(c) and submitted quarterly. (The 47.8 lb/hr limit below is a place holder for this condition. The enforceable limit varies according to item 2 above.)

Manufacturer Name/Model Number: California Analytical Instruments Model 600 CLD

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 47.8 pounds per hour

Reference Test Method: 40 CFR Part 60, Appendix B, PS 2

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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



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

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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

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

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

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

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

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

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and



standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 88: Contaminant List
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable State Requirement:ECL 19-0301

Item 88.1:

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: 0NY075-00-0
Name: PARTICULATES

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

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



Item 90.1:

No person who owns, operates or leases a bus or truck, the motive power for which is provided by a diesel engine or who owns, leases or occupies land and has the actual or apparent dominion or control over the operation of a bus or truck present on such land, the motive power for which said bus or truck is provided by a diesel engine, shall allow or permit the diesel engine of such bus or truck to idle for more than five consecutive minutes when the bus or truck is not in motion, except as otherwise permitted by 6 NYCRR Subpart 217-3.3.

Condition 91: Compliance Demonstration
Effective between the dates of 04/06/2018 and 04/05/2023

Applicable State Requirement:6 NYCRR Subpart 242-4

Item 91.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 000124-38-9 CARBON DIOXIDE

Item 91.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Annual Compliance Certification Report:

(a) For each control period in which a CO2 budget source is subject to the CO2 requirements of subdivision 242-1.5(c) of this Part, CO2 authorized account representative of the source shall submit to the department by March 1st following the relevant control period, a compliance certification report. The control period is a three-calendar-year time period.

(b) The compliance certification report shall include the following elements:

(1) identification of the source and each CO2 budget unit at the source;

(2) as an option, the serial numbers of the CO2 allowances that are to be deducted from the source's compliance account under section 242-6.5 of this Part for the control period, including the serial numbers of any CO2 offset allowances that are to be deducted subject to the limitations of section 242-6.5(a)(3) of this Part; and

(3) the compliance certification under subdivision (c) of this section (below).

(c) In the compliance certification report the CO2



authorized account representative shall certify, based on reasonable inquiry of those persons with primary responsibility for operating the source and the CO2 budget units at the source in compliance with the CO2 Budget Trading Program, whether the source and each CO2 budget unit at the source for which the compliance certification is submitted was operated during the calendar years covered by the report in compliance with the requirements of the CO2 Budget Trading Program, including:

(1) whether the source was operated in compliance with the CO2 requirements of section 242-1.5(c) of this Part;

(2) whether the monitoring plan applicable to each unit at the source has been maintained to reflect the actual operation and monitoring of the unit, and contains all information necessary to attribute CO2 emissions to the unit, in accordance with Subpart 242-8 of this Part;

(3) whether all the CO2 emissions from the units at the source were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with Subpart 242-8 of this Part. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions have been made;

(4) whether the facts that form the basis for certification under Subpart 242-8 of each monitor at each unit at the source, or for using an excepted monitoring method or alternative monitoring method approved under Subpart 242-8 of this Part, if any, have changed; and

(5) if a change is required to be reported under paragraph (c)(4) above, specify the nature of the change, the reason for the change, when the change occurred, and how the unit's compliance status was determined subsequent to the change, including what method was used to determine emissions when a change mandated the need for monitor recertification.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 92: Compliance Demonstration
Effective between the dates of 04/06/2018 and 04/05/2023



Applicable State Requirement:6 NYCRR 242-8.5

Item 92.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 92.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Recordkeeping and Reporting (6NYCRR Part 242-8.5)

(a) General provisions. The CO₂ authorized account representative shall comply with all recordkeeping and reporting requirements in this section, the applicable record keeping and reporting requirements under 40 CFR 75.73 and with the requirements of section 242-2.1(e) of this Part.

(b) Monitoring plans. The owner or operator of a CO₂ budget unit shall submit a monitoring plan in the manner prescribed in 40 CFR 75.62.

(c) Certification applications. The CO₂ authorized account representative shall submit an application to the department within 45 days after completing all CO₂ monitoring system initial certification or recertification tests required under section 242-8.2 of this Subpart including the information required under 40 CFR 75.63 and 40 CFR 75.53(e) and (f).

(d) Quarterly reports. The CO₂ authorized account representative shall submit quarterly reports, as follows:

(1) The CO₂ authorized account representative shall report the CO₂ mass emissions data and heat input data for the CO₂ budget unit, in an electronic format prescribed by the administrator unless otherwise prescribed by the department for each calendar quarter.

(2) The CO₂ authorized account representative shall submit each quarterly report to the department or its agent within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in subpart H of 40 CFR part 75 and 40 CFR 75.64. Quarterly reports shall be submitted for each CO₂ budget unit (or group of units using a common stack), and shall include all of the data and information required in subpart G of 40 CFR part 75,



except for opacity, NO_x, and SO₂ provisions.

(3) The CO₂ authorized account representative shall submit to the department or its agent a compliance certification in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

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

(ii) for a unit with add-on CO₂ emissions controls and for all hours where data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emissions controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B of 40 CFR part 75 and the substitute values do not systematically underestimate CO₂ emissions; and

(iii) the CO₂ concentration values substituted for missing data under Subpart D of 40 CFR part 75 do not systematically underestimate CO₂ emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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