



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6308-00096/00009
Effective Date: 03/01/2016 Expiration Date: 02/28/2021

Permit Issued To: KIAC PARTNERS
C/O CALPINE OPERATING SVCES CO INC
717 TEXAS AVE STE 1000
HOUSTON, TX 77002

Contact: GREG PIKUL
CALPINE CORPORATION
500 DELAWARE AVE STE 600
WILMINGTON, DE 19801
(302) 468-5311

Facility: CALPINE JFK ENERGY CENTER
KENNEDY INTERNATIONAL AIRPORT BLDG 49|ENTER THROUGH
SIGN TO TERMINAL 7 PARKING
JAMAICA, NY 11430

Contact: MICHAEL O'BRIEN
CALPINE JFK ENERGY CENTER
KENNEDY INTERNATIONAL AIRPORT BLDG 49
JAMAICA, NY 11430
(718) 995-0547

Description:

PERMIT DESCRIPTION
KIAC COGENERATION PLANT - JFK AIRPORT
DEC ID # 2-6308-00096/00009 (Ren 2)

This is a Title V permit renewal for an existing co-generation facility. KIAC Co-generation Plant - JFK Airport is a Title V facility, operating several emission sources, which consists of two (2) identical General electric combustion turbines equipped with supplementary fired duct burners and heat recovery steam generators (HRSGs). This facility is not a PSD source.

Kennedy International Airport Co-generation Partners (KIAC Partners) is located in the middle of the central terminal area of the J.F. Kennedy International Airport, Building No. 49, in Jamaica, New York. The KIAC co-generation plant supplies electricity to the JFK International Airport and to the Consolidated Edison (Con Ed) Power Distribution Grid, and also supplies



steam to the airport's central heating and refrigeration plant. The co-generation plant consists of two (2) General Electric LM6000 gas combustion turbines, which are permitted to fire both natural gas and light distillate fuel oil. The duct burners are limited to only natural gas firing. Each gas combustion turbine is equipped with a supplementary fired duct burner and Heat Recovery Steam Generator (HRSG). The gross heat capacity of the co-generation plant is 469 mmBTU/HR for each gas turbine and 718 mmBTU/HR each of the combined gas turbine and duct burner operation, which is based on the higher heating value (HHV) of natural gas. The cogeneration units are individually vented through two exhaust stacks, which vent emissions from each gas turbine and associated duct burner unit. The combustion turbines fire natural gas as the primary fuel with light distillate oil (jet fuel with a maximum sulfur content of 0.091%) as the backup fuel. Light distillate oil firing is limited to 4.8 million gal/yr per combustion turbine. The duct burners are limited to natural gas firing. Each of the General Electric LM6000 PC Sprint gas combustion turbines is designed with water injection as the first level of NO_x control and Selective Catalytic Reduction (SCR) as the secondary NO_x control system, for both residual combustion turbine NO_x and duct burner NO_x reduction. The SCR catalyst has the dual function of CO oxidation to CO₂ and NO_x reduction to N₂ and H₂O. The KIAC Cogeneration facility operates and maintains Continuous Emission Monitors (CEM) and continuous data recorder NO_x, CO Oxygen and Ammonia to monitor the emissions from each combustion turbine/duct burner. The standard industrial classification code (SIC) is 4931 - Electric and Other Services Combined (electric less than 95 percent of total).

The renewal application splits the single emissions unit 1-OGTDB into two identical emissions units (U-00001 and U-00002) exhausting to individual emission points (EP: E0001 and EP: E0002). Each emission unit consists of a combustion turbine, duct burner and selective catalytic reduction (SCR) emission source.

KIAC Partners co-generation plant consists of the following two emission units:

Emission Unit U-00001 consists of one General Electric LM 6000 PC SPRINT combustion turbine/HRSG unit (Emission Source GT001) equipped with a supplemental firing COEN duct burner (Emission Source DB001). The combustion turbine was constructed on 5/1/1994 and began operating on 3/1/1995. At the time of construction, the turbine was equipped with Coen Lo NO_x Lo CO controls and ammonia injectors (Emission Control SCR01) as the emission control. The combustion turbine is capable of firing either natural gas or light distillate oil (jet fuel with a maximum sulfur content of 0.091%). The combustion turbine fires natural gas (Processes GT1 & GT5) as a primary fuel



and light distillate oil or jet fuel with a maximum sulfur content of 0.091% (Processes GT3 & GT7) as a secondary backup fuel. Processes GT1 & GT3 are with supplemental firing of duct burner and Processes GT5 & GT7 are with no supplemental firing of duct burner. The duct burner (Emission Source DB001) is limited to natural gas firing. The combustion turbine/duct burner unit vents through a stack, identified as Emission Point E0001 that is located in the COGENB area. This emission unit is equipped with a selective catalytic reduction - SCR (Emission Control SCR01) as an emission control. Coen Lo NOx Lo CO controls and ammonia injectors as selective catalytic reduction (Emission Control SCR01) as the emission control. Light distillate oil (jet fuel with a maximum sulfur content of 0.091%) firing is limited to 4.8 million gal/yr per combustion turbine.

Emission Unit U-00002 consists of one GE LM 6000 PC SPRINT combustion turbine/HRSG unit (Emission Source GT002) equipped with a supplemental firing COEN duct burner (Emission Source DB002). The combustion turbine was constructed on 5/1/1994 and began operating on 3/1/1995. At the time of construction, the turbine was equipped with Coen Lo NOx Lo CO controls and ammonia injectors (Emission Control SCR02) as the emission control. The combustion turbine fires natural gas (Processes GT2 & GT6) as a primary fuel and light distillate oil or jet fuel with a maximum sulfur content of 0.091% (Processes GT4 & GT8) as a secondary backup fuel. Processes GT2 & GT4 are with supplemental firing of duct burner and Processes GT6 & GT8 are with no supplemental firing of duct burner. The duct burner (Emission Source DB002) is limited to natural gas firing. The combustion turbine/duct burner unit vents through a stack, identified as Emission Point E0002 that is located in the COGENB area. This emission unit is equipped with a selective catalytic reduction - SCR (Emission Control SCR02) as an emission control. Light distillate oil (jet fuel with a maximum sulfur content of 0.091%) firing is limited to 4.8 million gal/yr per combustion turbine.

KIAC primarily uses natural gas for the operation of the two combustion turbines and their associated duct burners, and very infrequently uses distillate fuel oil for the two combustion turbines. But KIAC's contract with NYISO requires that Calpine maintains the ability to have dual fuel capability in the event of natural gas shortages or emergencies.

The two combustion turbines at KIAC use the low sulfur distillate fuel oil that is considered to be jet fuel (with a maximum sulfur content is 0.091%) for its operation and is supplied by the Kennedy Airport and is the same fuel that is utilized by the airport for fueling airplanes and does not meet the 0.0015 percent sulfur limitation according to 6 NYCRR 225-1.2.



The fuel oil is supplied to the KIAC Energy Center via an underground pipeline owned by the Port Authority of NY/NJ. The facility has reviewed the sulfur in fuel data for the liquid jet fuel received from the airport and used by the airplanes and also by KIAC in their two combustion turbines; the current average sulfur content of the jet fuel is 0.074%, and the maximum sulfur content is 0.091%. As the fuel used at KIAC is supplied via pipeline, the facility is required to maintain the collection/analysis of the fuel oil sample each time the fuel is delivered.

In addition to renewing the Title V for the current Title V permit for an existing cogeneration facility, and due to change of regulations by EPA, the following Cross-State Air Pollution Rule (CSAPR) conditions for NO_x and SO₂ Trading Programs, the following conditions have been added to the permit:

1. Condition # 109 for 40 CFR 97.406 for Transport Rule NO_x Annual Trading Program, which provides for monitoring of annual oxides of nitrogen (NO_x) emission allowances, and includes emission monitoring, record keeping, reporting and certification requirements for NO_x.
2. Condition # 110 for 40 CFR 97.506 for Transport Rule NO_x Ozone Season Trading Program, which provides for monitoring of oxides of nitrogen (NO_x) emission allowances for the ozone season Trading Program, and includes emission monitoring, record keeping, reporting and certification requirements for NO_x.
3. Condition # 111 for 40 CFR 97.606 for Transport Rule SO₂ Group 1 Trading Program, which allows for monitoring of sulfur dioxide (SO₂) emission allowances in the Group 1 Trading Program, and includes emission monitoring, record keeping, reporting and certification requirements for SO₂.
4. Due to change of regulations by NYSDEC and EPA, the Clean Air Interstate Rule (CAIR) conditions for 6 NYCRR 243, 244 and 245 have been removed from the permit, they have been replaced by the 3 above conditions for Cross-State Air Pollution Rule. But Part 242 is RGGI (Regional Greenhouse Gas Initiative), which remains in effect, and therefore the condition for 6 NYCRR 242-8.5 remains in the permit. This Part establishes the New York State component of the CO₂ Budget Trading Program, which is designed to stabilize and then reduce anthropogenic emissions of CO₂, a greenhouse gas, from CO₂ budget sources in an economically efficient manner. In addition, there is no state-wide allocation. The CAIR conditions required facilities to obtain/poses at least as many allocations of carbon dioxide (CO₂), sulfur dioxide (SO₂) and oxides of nitrogen as they emit to the



atmosphere during a specified period of time. An allocation is a unit of pollution which is limited by a budget established by the regulations.

The Title V Permit contains a complete listing of the applicable Federal, State and compliance monitoring requirements for the facility, its emission units and emission points. The facility (co-generation plant) is subject to the provisions of Title V for sulfur dioxide, 6NYCRR 225-1.2, fuel composition and use - sulfur limitations, which restricts the sulfur content of fuel oil (jet fuel) utilized throughout the facility to 0.091% by weight or less and to the record keeping of fuel analysis, 6NYCRR 225-1.6. The facility has to comply with 6NYCRR 227.2(b)(1), the particulates standard of 0.1 lb/MM Btu for turbines exceeding 250 MM Btu/hr heat capacity, 6NYCRR 227-1.3(a) and 6NYCRR 227-1.4, the 20% opacity using CEM. The facility is also subject to 6NYCRR 227-1.4(a), CEM of carbon dioxide or % of oxygen, 6NYCRR 227-1.4(b), record keeping of fuel heating value. The facility is subject to 6NYCRR 227-2.6(a)(1), oxides of nitrogen emissions using CEMS and 6NYCRR 227-2.6(b), record keeping of oxides of nitrogen using CEMS. The facility is subject to 6NYCRR 231-1, lowest achievable emission rate and 40CFR 52-A-21(j), best available control technology. The facility is subject to the general provisions, notifications, record keeping, performance tests, compliance and monitoring requirements of 40CFR 6-A. The facility is also subject to 40CFR 60-Db, compliance and performance test methods and procedures for sulfur dioxide and particulate matter in addition to the emission monitoring, reporting and record keeping requirements for sulfur dioxide, particulate matter and nitrogen oxides. In addition, the facility is subject to 40CFR 60-GG.334, the monitoring of operations for turbines, fuel sulfur and nitrogen content monitoring requirements and bulk storage fuel monitoring requirements and 40CFR 60-GG.335, optional test methods and procedures for oxides of nitrogen and sulfur dioxide. The facility is subject to the Clean Air interstate Rule (CAIR) under regulations 6 NYCRR Part 242, which is RGGI (Regional Greenhouse Gas Initiative), and establishes the New York State component of the CO₂ Budget Trading Program. Finally, the facility is subject to the Cross-State Air Pollution Rule (CSAPR) regulations for NO_x and SO₂ Trading Programs, 40 CFR 97.406 for Transport Rule NO_x Annual Trading Program, 40 CFR 97.506 for Transport Rule NO_x Ozone Season Trading Program, and 40 CFR 97.606 for Transport Rule SO₂ Group 1 Trading Program.

The continuous emissions monitoring system (CEMS) installed are to be used to monitor emissions from the combustion turbine/HRSG and duct burners units. The mass emission rate (lbs/hr) of NO_x and CO from the combustion turbine/duct burner stacks must be continuously calculated using the



methodology contained in the CEM monitoring plan. The facility shall monitor continuously and determine daily:

1. The average hourly rate of each fuel burned.
2. The average hourly electrical output.
3. The minimum and maximum hourly generation rate.

The requirement to monitor the gross heating value and ash content of fuel burned at least once per week is waived. The facility uses CEMS on each of its stacks and determines heat content of fuel burned on a continuous basis. At the request of the NYSDEC, the facility shall submit a written report of excess emissions for each calendar quarter and the nature and cause of the excessive emissions if known. The facility shall retain records and summaries for at least five years, and upon the request of the NYSDEC shall furnish such records and summaries.

The facility operates other sources which are considered exempt from permitting in accordance with 6NYCRR 201-3.2 (c), including one (1) emergency power generator (<500 hours/year), four (4) non-contact water cooling towers and water treatment systems for process cooling water, one (1) storage tank with capacity < 10,000 gallons and two (2) horizontal petroleum storage tanks.

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: STEPHEN A WATTS
 47-40 21ST ST
 LONG ISLAND CITY, NY 11101-5401

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 2 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 renewal application at least 180 days before expiration of permits for both 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 2 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 2 Headquarters
Division of Environmental Permits
1 Hunters Point Plaza, 4740 21st Street
Long Island City, NY 11101-5407
(718) 482-4997

New York State Department of Environmental Conservation

Permit ID: 2-6308-00096/00009

Facility DEC ID: 2630800096



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: KIAC PARTNERS

C/O CALPINE OPERATING SVCES CO INC

717 TEXAS AVE STE 1000

HOUSTON, TX 77002

Facility:

CALPINE JFK ENERGY CENTER

KENNEDY INTERNATIONAL AIRPORT BLDG 49|ENTER THROUGH

SIGN TO TERMINAL 7 PARKING

JAMAICA, NY 11430

Authorized Activity By Standard Industrial Classification Code:

4931 - ELEC & OTHER SERVICES COMBINED

Permit Effective Date: 03/01/2016

Permit Expiration Date: 02/28/2021



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 Subpart 201-7: Capping Monitoring Condition
- 25 6 NYCRR 202-1.5: Prohibitions
- 26 6 NYCRR Subpart 202-2: Compliance Certification
- 27 6 NYCRR Part 207: Submittal of Episode Action Plans
- 28 6 NYCRR 211.1: Air pollution prohibited
- 29 6 NYCRR 211.1: Compliance Certification
- 30 6 NYCRR 212.4 (a): Compliance Certification
- 31 6 NYCRR 212.4 (a): Compliance Certification
- 32 6 NYCRR 212.4 (a): Compliance Certification
- 33 6 NYCRR 212.4 (a): Compliance Certification
- 34 6 NYCRR 212.4 (a): Compliance Certification
- 35 6 NYCRR 212.4 (a): Compliance Certification
- 36 6 NYCRR 212.4 (a): Compliance Certification
- 37 6 NYCRR 212.4 (a): Compliance Certification
- 38 6 NYCRR 212.9 (b): Compliance Certification
- 39 6 NYCRR 225-1.2: Compliance Certification
- 40 6 NYCRR 225-1.2 (f): Compliance Certification
- 41 6 NYCRR 225-1.2 (g): Compliance Certification
- 42 6 NYCRR 225-1.2 (h): Compliance Certification
- 43 6 NYCRR 225-1.6: Compliance Certification



- 44 6 NYCRR Subpart 227-1: Compliance Certification
- 45 6 NYCRR 227-1.2: Compliance Certification
- 46 6 NYCRR 227-1.2 (a): Compliance Certification
- 47 6 NYCRR 227-1.3 (a): Compliance Certification
- 48 6 NYCRR 227-1.4 (c): Compliance Certification
- 49 6 NYCRR 227-1.4 (d): Compliance Certification
- 50 6 NYCRR 227-1.7: Compliance Certification
- 51 6 NYCRR 227-1.7: Compliance Certification
- 52 6 NYCRR 227-2.4 (e) (3): Compliance Certification
- 53 6 NYCRR 227-2.4 (e) (3): Compliance Certification
- 54 6 NYCRR 227-2.5: Compliance Certification
- 55 6 NYCRR 227-2.6: Compliance Certification
- 56 6 NYCRR 227-2.6 (b): Compliance Certification
- 57 6 NYCRR 227.2 (b) (1): Compliance Certification
- 58 6 NYCRR 231-2.7 (b): Compliance Certification
- 59 6 NYCRR 231-2.7 (b): Compliance Certification
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- 74 6 NYCRR 231-2.7 (b): Compliance Certification
- 75 6 NYCRR 231-2.7 (b): Compliance Certification
- 76 40CFR 52.21(j), Subpart A: Compliance Certification
- 77 40CFR 52.21(j), Subpart A: Compliance Certification
- 78 40CFR 52.21(j), Subpart A: Compliance Certification
- 79 40CFR 52.21(j), Subpart A: Compliance Certification
- 80 40CFR 52.21(j), Subpart A: Compliance Certification
- 81 40CFR 52.21(j), Subpart A: Compliance Certification
- 82 40CFR 52.21(j), Subpart A: Compliance Certification
- 83 40CFR 52.21(j), Subpart A: Compliance Certification
- 84 40CFR 52.21(j), Subpart A: Compliance Certification
- 85 40CFR 52.21(j), Subpart A: Compliance Certification
- 86 40CFR 52.21(j), Subpart A: Compliance Certification
- 87 40CFR 52.21(j), Subpart A: Compliance Certification
- 88 40CFR 52.21(j), Subpart A: Compliance Certification
- 89 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 90 40CFR 60.7, NSPS Subpart A: Compliance Certification
- 91 40CFR 60.7(a), NSPS Subpart A: Compliance Certification
- 92 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 93 40CFR 60.7(c), NSPS Subpart A: Compliance Certification
- 94 40CFR 60.7(d), NSPS Subpart A: Excess emissions report.
- 95 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.



- 96 40CFR 60.11, NSPS Subpart A: Compliance Certification
- 97 40CFR 60.12, NSPS Subpart A: Circumvention.
- 98 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 99 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 100 40CFR 60.14, NSPS Subpart A: Modifications.
- 101 40CFR 60.15, NSPS Subpart A: Reconstruction
- 102 40CFR 60.47b, NSPS Subpart Db: Compliance Certification
- 103 40CFR 60.48b(f), NSPS Subpart Db: Compliance Certification
- 104 40CFR 60.49b, NSPS Subpart Db: Compliance Certification
- 105 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Certification
- 106 40CFR 60.334(h)(1), NSPS Subpart GG: Compliance Certification
- 107 40CFR 60.334(h)(3), NSPS Subpart GG: Compliance Certification
- 108 40CFR 75.20, Subpart C: Compliance Certification
- 109 40CFR 97.406, Subpart AAAAA: Compliance Certification
- 110 40CFR 97.506, Subpart BBBBB: Compliance Certification
- 111 40CFR 97.606, Subpart CCCCC: Compliance Certification

Emission Unit Level

- 112 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 113 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=U-00001,EP=E0001

- 114 40CFR 52.21(j), Subpart A: Compliance Certification
- 115 40CFR 52.21(j), Subpart A: Compliance Certification
- 116 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Certification

EU=U-00001,EP=E0001

- 117 40CFR 60.334(b), NSPS Subpart GG: CEMS

EU=U-00001,EP=E0001,Proc=GT3

- 118 6 NYCRR Subpart 227-1: Compliance Certification
- 119 6 NYCRR 227-1.3 (a): Compliance Certification

EU=U-00001,EP=E0001,Proc=GT7

- 120 6 NYCRR Subpart 227-1: Compliance Certification
- 121 6 NYCRR 227-1.7: Compliance Certification

EU=U-00002,EP=E0002

- 122 40CFR 52.21(j), Subpart A: Compliance Certification
- 123 40CFR 52.21(j), Subpart A: Compliance Certification

EU=U-00002,EP=E0002,Proc=GT4

- 124 6 NYCRR Subpart 227-1: Compliance Certification

EU=U-00002,EP=E0002,Proc=GT8

- 125 6 NYCRR Subpart 227-1: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 126 ECL 19-0301: Contaminant List

New York State Department of Environmental Conservation

Permit ID: 2-6308-00096/00009

Facility DEC ID: 2630800096



- 127 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 128 6 NYCRR 211.2: Visible Emissions Limited
- 129 6 NYCRR 227-1.4: Compliance Demonstration
- 130 6 NYCRR 227-1.4 (a): Compliance Demonstration
- 131 6 NYCRR 231-1.4: Compliance Demonstration
- 132 6 NYCRR 231-1.6: Compliance Demonstration
- 133 6 NYCRR 242-1.5: CO2 Budget Trading Program - Excess emission requirements
- 134 6 NYCRR 242-1.5: Compliance Demonstration
- 135 6 NYCRR 242-1.5: Compliance Demonstration
- 136 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: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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

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

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

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

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

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

Item L: Permit Exclusion - ECL 19-0305

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



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

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

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

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

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

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:

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

Condition 2: Fees
Effective between the dates of 03/01/2016 and 02/28/2021

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 03/01/2016 and 02/28/2021

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 03/01/2016 and 02/28/2021**

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 03/01/2016 and 02/28/2021**

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.



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 6: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

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 record keeping 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

New York State Department of Environmental Conservation

Permit ID: 2-6308-00096/00009

Facility DEC ID: 2630800096



The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 03/01/2016 and 02/28/2021

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 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

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

Item 9.2

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.



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

Item 15.1:

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

Condition 16: Right to Inspect
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 16.1:

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

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

Condition 17: Off Permit Changes
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 17.1:

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



Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

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

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

Condition 21: Emission Unit Definition
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:

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

Emission Unit: U-00001

Emission Unit Description:

Emission Unit U-00001 consists of one GE LM 6000 PC SPRINT combustion turbine/HRSG unit (Emission Source GT001) equipped with a supplemental firing COEN duct burner (Emission Source DB001). The combustion turbine fires natural gas (Processes GT1 & GT5) as a primary fuel and light distillate oil (Processes GT3 & GT7) as a secondary backup fuel. Processes GT1 & GT3 are with supplemental firing of duct burner and Processes GT5 & GT7 are with no supplemental firing of duct burner. The duct burner (Emission Source DB001) is limited to natural gas firing. The combustion turbine/duct burner unit vents through a stack, identified as Emission Point E0001, that is located in the COGENB area. This emission unit is equipped with a selective catalytic reduction - SCR (Emission Control SCR01) as an emission control.

Building(s): COGENB

Item 21.2:

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

Emission Unit: U-00002

Emission Unit Description:

Emission Unit U-00002 consists of one GE LM 6000 PC SPRINT combustion turbine/HRSG unit (Emission Source GT002) equipped with a supplemental firing COEN duct burner (Emission Source DB002). The combustion turbine fires natural gas (Processes GT2 & GT6) as a primary fuel and light distillate oil (Processes GT4 & GT8) as a secondary backup fuel. Processes GT2 & GT4 are with



supplemental firing of duct burner and Processes GT6 & GT8 are with no supplemental firing of duct burner. The duct burner (Emission Source DB002) is limited to natural gas firing. The combustion turbine/duct burner unit vents through a stack, identified as Emission Point E0002, that is located in the COGENB area. This emission unit is equipped with a selective catalytic reduction - SCR (Emission Control SCR02) as an emission control.

Building(s): COGENB

Condition 22: Progress Reports Due Semiannually
Effective between the dates of 03/01/2016 and 02/28/2021

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 03/01/2016 and 02/28/2021

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: 106,270 pounds per year
Name: CARBON MONOXIDE

CAS No: 0NY210-00-0 PTE: 360,329 pounds per year
Name: OXIDES OF NITROGEN

Condition 24: Capping Monitoring Condition
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-7

New York State Department of Environmental Conservation

Permit ID: 2-6308-00096/00009

Facility DEC ID: 2630800096



Item 24.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The duct burners are limited to natural gas firing. The total annual natural gas use shall not exceed 1,034 million standard cubic feet per year, based on a daily rolling basis. (This limit is for both duct burners, Emission Sources DB001 & DB002). Each of the two duct burners is limited to a maximum combined gross heat input of 249 mmBTU/hr. A restrictive orifice plate was installed on the main fuel gas feeder line and is continuously monitored to limit the feed rate to verify compliance with the 249 mmBTU/hr limit for each of the two duct burners.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NATURAL GAS

Manufacturer Name/Model Number: COEN LoNOx - Lo CO

Upper Permit Limit: 1034 million cubic feet per year

Reference Test Method: Keep Fuel Records

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 25: Prohibitions

Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR 202-1.5

Item 25.1:

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

Condition 26: Compliance Certification

Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR Subpart 202-2

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The provisions of 6NYCRR Subpart 202-2 apply to this facility. Any owner or operator of a facility in a nonattainment area for ozone must submit an emission statement to the department for any calendar year in which the facility has the potential to emit any regulated air pollutant listed in Table 1 of 6NYCRR 202-2.1, at a rate which equals or exceeds the applicable threshold:

Table

1

Facility Reporting Thresholds - Nonattainment Areas

Air Contaminant (tons/year)	Threshold
Volatile organic Compounds (VOC)	25
Oxides of Nitrogen (NOx)	25
Carbon Monoxide (CO)	100
Sulfur Dioxide (SO2)	100
Particulate Matter, diameters less than 10 microns (PM10)	100
Lead and its compounds (measured as elemental lead)	5
Any one hazardous air pollutants	10
Combination of hazardous air pollutants	25
Any other regulated air pollutant	100

Reference Test Method: KEEP RECORDS
 Monitoring Frequency: QUARTERLY
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2017.
 Subsequent reports are due every 12 calendar month(s).

Condition 27: Submittal of Episode Action Plans
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR Part 207

Item 27.1:

An episode action plan must be submitted for approval by the Department in accordance with the



requirements of 6NYCRR Part 207. The plan shall contain detailed steps which will be taken by the facility to reduce air contaminant emissions during each stage of an air pollution episode. Once approved, the facility shall take whatever actions are prescribed by the episode action plan when an air pollution episode is in effect.

Condition 28: Air pollution prohibited
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR 211.1

Item 28.1:

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 29: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR 211.1

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:

Facility shall establish a complaint response procedure to manage complaints related to air emissions from this facility. The procedure shall be designed to ensure that complaints from officials or neighbors are adequately received and documented, and that appropriate response is taken by the facility. The facility shall:

1. Have a complaint phone line available 24 hours a day, 7 days a week.
2. Investigate any possible causes of any complaint received.
3. Take prompt action to abate any circumstance which is found to be the cause of the complaint.
4. Fully document the complaint, results of investigation, and any action taken.
5. Report in a format acceptable to the Department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

New York State Department of Environmental Conservation

Permit ID: 2-6308-00096/00009

Facility DEC ID: 2630800096



Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 30: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 212.4 (a)

Item 30.1:

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

Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: DB001
Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: DB002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: SCR02
Regulated Contaminant(s): CAS No: 007664-41-7	AMMONIA

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

KIAC will control Ammonia emissions through proper operation and control of the Selective Catalytic Reduction (SCR). Control of the Ammonia feed rate will be based on the NOx and fuel flow.

The NH3 emissions are limited to 10.0 parts per million by volume (dry, corrected to 15% O2), on an hourly average basis. This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute

New York State Department of Environmental Conservation

Permit ID: 2-6308-00096/00009

Facility DEC ID: 2630800096



BACT for purposes of 6 NYCRR 212.4 (a) and 40 CFR 52.21(j), Subpart A.

CEMS are to be used to monitor the NH3 emissions from the combustion turbine/HRSG and duct burner units during light distillate fuel firing in the combustion turbine and natural gas firing in the duct burner unit.

KIAC will use CEMS to monitor the NH3 emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: AMMONIA
Upper Permit Limit: 10.00 parts per million by volume (dry, corrected to 15% O2)
Reference Test Method: 40 CFR Part 60 Appendix B & F
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 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 31: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 212.4 (a)

Item 31.1:

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

Table with 2 columns: Emission Unit/Process and Emission Point/Source. Rows include units U-00001 (GT5) and U-00002 (GT6) with sources GT001, SCR01, GT002, and SCR02. Regulated Contaminant(s): AMMONIA (CAS No: 007664-41-7).

Item 31.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 2-6308-00096/00009

Facility DEC ID: 2630800096



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

KIAC will control Ammonia emissions through proper operation and control of the Selective Catalytic Reduction (SCR). Control of the Ammonia feed rate will be based on the NOx and fuel flow.

The NH3 emissions are limited to 6.61 pounds per hour, on an hourly average basis during natural gas firing in the turbine without duct firing. This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute BACT for purposes of 6 NYCRR 212.4 (a) and 40 CFR 52.21(j), Subpart A.

CEMS are to be used to monitor NH3 emissions from the combustion turbine/HRSG without duct burners units while firing natural gas in the combustion turbine and no duct burner unit.

KIAC will use CEMS to monitor the NH3 emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS

Parameter Monitored: AMMONIA

Upper Permit Limit: 6.61 pounds per hour

Reference Test Method: 40 CFR Parts 60 Appendix B & F

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 4/30/2016.

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

Condition 32: Compliance Certification

Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 212.4 (a)

Item 32.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Point: E0001

Process: GT7

Emission Source: GT001



Emission Unit: U-00001 Emission Point: E0001
Process: GT7 Emission Source: SCR01

Emission Unit: U-00002 Emission Point: E0002
Process: GT8 Emission Source: GT002

Emission Unit: U-00002 Emission Point: E0002
Process: GT8 Emission Source: SCR02

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

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

KIAC will control Ammonia emissions through proper operation and control of the Selective Catalytic Reduction (SCR). Control of the Ammonia feed rate will be based on the NOx and fuel flow.

The NH3 emissions are limited to 10.0 parts per million by volume (dry, corrected to 15% O2), on an hourly average basis. This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-

Operation of the source in this manner shall constitute BACT for purposes of 6 NYCRR 212.4 (a) and 40 CFR 52.21(j), Subpart A.

CEMS are to be used to monitor NH3 emissions from the combustion turbine/HRSG without the duct burner unit during light distillate fuel firing.

KIAC will use CEMS to monitor the NOx emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS

Parameter Monitored: AMMONIA

Upper Permit Limit: 10.00 parts per million by volume
(dry, corrected to 15% O2)

Reference Test Method: 40 CFR Part 60 Appendix B & F

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 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 33: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 212.4 (a)

Item 33.1:

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

Emission Unit: U-00001 Process: GT1	Emission Point: E0001 Emission Source: DB001
Emission Unit: U-00001 Process: GT1	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT1	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT2	Emission Point: E0002 Emission Source: DB002
Emission Unit: U-00002 Process: GT2	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT2	Emission Point: E0002 Emission Source: SCR02
Regulated Contaminant(s): CAS No: 007664-41-7	AMMONIA

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

KIAC will control Ammonia emissions through proper operation and control of the Selective Catalytic Reduction (SCR). Control of the Ammonia feed rate will be based on the NOx and fuel flow.

The NH3 emissions are limited to 10.0 parts per million by volume (dry, corrected to 15% O2), on an hourly average basis during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner. This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

New York State Department of Environmental Conservation

Permit ID: 2-6308-00096/00009

Facility DEC ID: 2630800096



Emission Unit: U-00002
Process: GT4

Emission Point: E0002
Emission Source: SCR02

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

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

KIAC will control Ammonia emissions through proper operation and control of the Selective Catalytic Reduction (SCR). Control of the Ammonia feed rate will be based on the NOx and fuel flow.

The NH₃ emissions are limited to 9.25 pounds per hour, on an hourly average basis. This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute BACT for purposes of 6 NYCRR 212.4 (a) and 40 CFR 52.21(j), Subpart A.

CEMS are to be used to monitor the NH₃ emissions from the combustion turbine/HRSG and duct burner units during light distillate fuel firing in the combustion turbine and natural gas firing in the duct burner unit.

KIAC will use CEMS to monitor the NH₃ emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: AMMONIA
Upper Permit Limit: 9.25 pounds per hour
Reference Test Method: 40 CFR Part 60 Appendix B & F
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 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 35: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 212.4 (a)

New York State Department of Environmental Conservation

Permit ID: 2-6308-00096/00009

Facility DEC ID: 2630800096



Item 35.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001	Emission Point: E0001
Process: GT7	Emission Source: GT001

Emission Unit: U-00001	Emission Point: E0001
Process: GT7	Emission Source: SCR01

Emission Unit: U-00002	Emission Point: E0002
Process: GT8	Emission Source: GT002

Emission Unit: U-00002	Emission Point: E0002
Process: GT8	Emission Source: SCR02

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

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

 KIAC will control Ammonia emissions through proper operation and control of the Selective Catalytic Reduction (SCR). Control of the Ammonia feed rate will be based on the NOx and fuel flow.

 The NH3 emissions are limited to 6.67 pounds per hour, on an hourly average basis during light distillate oil firing in the turbine without duct firing. This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

 Operation of the source in this manner shall constitute BACT for purposes of 6 NYCRR 212.4 (a) and 40 CFR 52.21(j), Subpart A.

 CEMS are to be used to monitor NH3 emissions from the combustion turbine/HRSG without duct burners units while firing light distillate fuel oil in the combustion turbine and natural gas in the duct burner unit.

 KIAC will use CEMS to monitor the NOx emission at the stack.

 Records shall be maintained at the facility for a minimum of five years.



Manufacturer Name/Model Number: CEMS
Parameter Monitored: AMMONIA
Upper Permit Limit: 6.67 pounds per hour
Reference Test Method: 40 CFR Part 60 Appendix B & F
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 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 36: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 212.4 (a)

Item 36.1:

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

Emission Unit: U-00001 Process: GT5	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT5	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT6	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT6	Emission Point: E0002 Emission Source: SCR02
Regulated Contaminant(s): CAS No: 007664-41-7	AMMONIA

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

KIAC will control Ammonia emissions through proper operation and control of the Selective Catalytic Reduction (SCR). Control of the Ammonia feed rate will be based on the NOx and fuel flow.

The NH3 emissions are limited to 10.0 parts per million by volume (dry, corrected to 15% O2), on an hourly average basis. This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

New York State Department of Environmental Conservation

Permit ID: 2-6308-00096/00009

Facility DEC ID: 2630800096



Operation of the source in this manner shall constitute BACT for purposes of 6 NYCRR 212.4 (a) and 40 CFR 52.21(j), Subpart A.

CEMS are to be used to monitor NH3 emissions from the combustion turbine/HRSG without the duct burner unit during natural gas firing in the combustion turbine and no duct burner unit.

KIAC will use CEMS to monitor the NH3 emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: AMMONIA
Upper Permit Limit: 10.00 parts per million by volume (dry, corrected to 15% O2)
Reference Test Method: 40 CFR Part 60 Appendix B & F
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 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 37: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR 212.4 (a)

Item 37.1:

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

Table with 2 columns: Emission Unit/Process and Emission Point/Source. Rows include units U-00001, U-00002 and processes GT1, GT2 with corresponding emission points and sources.

New York State Department of Environmental Conservation

Permit ID: 2-6308-00096/00009

Facility DEC ID: 2630800096



Emission Unit: U-00002
Process: GT2

Emission Point: E0002
Emission Source: SCR02

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

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

KIAC will control Ammonia emissions through proper operation and control of the Selective Catalytic Reduction (SCR). Control of the Ammonia feed rate will be based on the NOx and fuel flow.

The NH3 emissions are limited to 9.19 pounds per hour, on an hourly average basis during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner. This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute BACT for purposes of 6 NYCRR 212.4 (a) and 40 CFR 52.21(j), Subpart A.

CEMS are to be used to monitor the NH3 emissions from the combustion turbine/HRSG and duct burner units during natural gas firing in the combustion turbine and natural gas firing in the duct burner unit.

KIAC will use CEMS to monitor the NH3 emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: AMMONIA
Upper Permit Limit: 9.19 pounds per hour
Reference Test Method: 40 CFR Part 60 Appendix B & F
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 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 38: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021



Applicable Federal Requirement:6 NYCRR 212.9 (b)

Item 38.1:

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

Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: DB001
Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00001 Process: GT7	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT7	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: DB002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: SCR02
Emission Unit: U-00002 Process: GT8	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT8	Emission Point: E0002 Emission Source: SCR02

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

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

99% or greater air cleaning is required for particulate matter emissions emitting one pound per hour or greater, as defined by emission rate potential. Best Available Control Technology (BACT) can be substituted for 99% control or greater.

The particulate matter emission has a limit of 0.1 lb/MM



Btu.

Parameter Monitored: PARTICULATES
Lower Permit Limit: 99 percent reduction by weight
Reference Test Method: 40 CFR Part 60 Appendix A, Method 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 39: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 225-1.2

Item 39.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 39.2:

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 stated below.

1. 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.

2. 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.

In order to ensure compliance with these requirements and the requirements of §225-1.5(b)(2) and §225-1.6, the facility will perform the following:

3. KIAC shall maintain fuel supplier certifications received for each delivery of distillate oil. These certifications shall reflect the sulfur content, specific gravity, and heating value of the distillate oil.

4. KIAC shall sample every delivery of distillate oil received at the facility. KIAC shall determine the percent



sulfur by weight using Method ASTM D-2622 or other methods approved in advance by the Department.

5. Data collected pursuant to (3) and (4) 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. If there is an exceedance of the sulfur-in-fuel limitation, KIAC shall submit to the DEC a written report of the fuel sulfur content exceeding the applicable sulfur-in-fuel limitation and the nature and cause of such exceedances if known, for each calendar quarter, within 30 days after the end of any quarterly period in which an exceedance takes place. All records must be maintained at the facility for a minimum of five years.

In lieu of CEMS for SO₂, the compliance demonstration methodology relies upon Part 225-1.5(b)(2), which provides for "representative sampling and sulfur analysis conducted in a manner approved by the Department".

KIAC primarily uses natural gas for the operation of the two combustion turbines and their associated duct burners, and very infrequently uses distillate fuel oil for the two combustion turbines. But KIAC's contract with NYISO requires that Calpine maintains the ability to have dual fuel capability in the event of natural gas shortages or emergencies.

The two combustion turbines at KIAC use the low sulfur distillate fuel oil that is considered to be jet fuel and is supplied by the Kennedy Airport and is the same fuel that is utilized by the airport for fueling airplanes and does not meet the 0.0015 percent sulfur limitation according to 6 NYCRR 225-1.2.

The fuel oil is supplied to the KIAC Energy Center via an underground pipeline owned by the Port Authority of NY/NJ. The facility has reviewed the sulfur in fuel data for the liquid jet fuel received from the airport and used by the airplanes and also by KIAC in their two combustion turbines; the current average sulfur content of the jet fuel is 0.074%, and the maximum sulfur content is 0.091%.

As the fuel used at KIAC is supplied via pipeline, the facility is required to maintain the collection/analysis of the fuel oil sample each time the fuel is delivered.



The KIAC Energy Center is located in the middle of a very congested hub at the Kennedy Airport, adjacent to Terminal 7. There is no space for additional tankage and no ability to install a new off-loading facility. Because of the safety considerations associated with refueling the tanks via trucks at a location within the airport, the Department will allow KIAC to continue to utilize the existing source of distillate fuel oil (jet fuel with a maximum sulfur content is 0.091%) for its operation.

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. All other facility owners or distributors must submit these records and summaries upon request of the Department.

All records must be maintained at the facility for a minimum of five years.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.091 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 40: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 225-1.2 (f)

Item 40.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

According to 6 NYCRR 225-1.2(f), owners and/or operators



of commercial, industrial, or residential emission sources that fire # 2 heating oil on or after July 1, 2012 are limited to the purchase of number two heating oil with 0.0015 percent sulfur by weight or less. Compliance with this limit will be based on vendor certifications.

KIAC primarily uses natural gas for the operation of the two combustion turbines and their associated duct burners, and very infrequently uses distillate fuel oil for the two combustion turbines. But KIAC's contract with NYISO requires that Calpine maintains the ability to have dual fuel capability in the event of natural gas shortages or emergencies.

The two combustion turbines at KIAC use the low sulfur distillate fuel oil that is considered to be jet fuel and is supplied by the Kennedy Airport and is the same fuel that is utilized by the airport for fueling airplanes and does not meet the 0.0015 percent sulfur limitation according to 6 NYCRR 225-1.2.

The KIAC Energy Center is located in the middle of a very congested hub at the Kennedy Airport, adjacent to Terminal 7. There is no space for additional tankage and no ability to install a new off-loading facility. Because of the safety considerations associated with refueling the tanks via trucks at a location within the airport, the Department will allow KIAC to continue to utilize the existing source of distillate fuel oil (jet fuel with a maximum sulfur content is 0.091%) for its operation.

The current storage capacity is 100,000 gallons, physically located in two underground tanks in the central part of the operation. The jet fuel oil is supplied to the KIAC Energy Center via an underground pipeline owned by the Port Authority of NY/NJ. The facility has reviewed the sulfur in fuel data for the liquid jet fuel received from the airport and used by the airplanes and also by KIAC in their combustion turbines; the current average sulfur content of the jet fuel is 0.074%, and the maximum sulfur content is 0.091%. Since the turbines combust liquid fuel at a rate of approximately 50 gallons per minute (3,000 gallons per hour), it would not be possible to safely refuel the tanks at a rate that would allow a sustained operation (approximately 80 tanker trucks per week).

The fuel oil is supplied to the KIAC Energy Center via an underground pipeline owned by the Port Authority of NY/NJ. The facility has reviewed the sulfur in fuel data for the liquid jet fuel received from the airport and used by the



airplanes and also by KIAC in their two combustion turbines; the current average sulfur content of the jet fuel is 0.074%, and the maximum sulfur content is 0.091%.

As the fuel used at KIAC is supplied via pipeline, the facility is required to maintain the collection/analysis of the fuel oil sample each time the fuel is delivered.

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. All other facility owners or distributors must submit these records and summaries upon request of the Department.

All records must be maintained at the facility for a minimum of five years.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.091 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 41: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 225-1.2 (g)

Item 41.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

According to 6 NYCRR 225-1.2 (g), owners and/or operators of a stationary combustion installation that fires distillate oil other than # 2 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. Compliance with this limit will be based on vendor certifications.

KIAC primarily uses natural gas for the operation of the two combustion turbines and their associated duct burners, and very infrequently uses distillate fuel oil for the two combustion turbines. But KIAC's contract with NYISO requires that Calpine maintains the ability to have dual fuel capability in the event of natural gas shortages or emergencies.

The two combustion turbines at KIAC use the low sulfur distillate fuel oil that is considered to be jet fuel and is supplied by the Kennedy Airport and is the same fuel that is utilized by the airport for fueling airplanes and does not meet the 0.0015 percent sulfur limitation according to 6 NYCRR 225-1.2.

The KIAC Energy Center is located in the middle of a very congested hub at the Kennedy Airport, adjacent to Terminal 7. There is no space for additional tankage and no ability to install a new off-loading facility. Because of the safety considerations associated with refueling the tanks via trucks at a location within the airport, the Department will allow KIAC to continue to utilize the existing source of distillate fuel oil (jet fuel with a maximum sulfur content is 0.091%) for its operation.

The current storage capacity is 100,000 gallons, physically located in two underground tanks in the central part of the operation. The jet fuel oil is supplied to the KIAC Energy Center via an underground pipeline owned by the Port Authority of NY/NJ. The facility has reviewed the sulfur in fuel data for the liquid jet fuel received from the airport and used by the airplanes and also by KIAC in their combustion turbines; the current average sulfur content of the jet fuel is 0.074%, and the maximum sulfur content is 0.091%. Since the turbines combust liquid fuel at a rate of approximately 50 gallons per minute (3,000 gallons per hour), it would not be possible to safely refuel the tanks at a rate that would allow a sustained operation (approximately 80 tanker trucks per week).

The fuel oil is supplied to the KIAC Energy Center via an underground pipeline owned by the Port Authority of NY/NJ. The facility has reviewed the sulfur in fuel data for the liquid jet fuel received from the airport and used by the airplanes and also by KIAC in their two combustion



turbines; the current average sulfur content of the jet fuel is 0.074%, and the maximum sulfur content is 0.091%.

As the fuel used at KIAC is supplied via pipeline, the facility is required to maintain the collection/analysis of the fuel oil sample each time the fuel is delivered.

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. All other facility owners or distributors must submit these records and summaries upon request of the Department.

All records must be maintained at the facility for a minimum of five years.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.091 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 42: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 225-1.2 (h)

Item 42.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

According to 6 NYCRR 225-1.2 (h), owners and/or operators of a stationary combustion installations that fire distillate oil (# 2 fuel oil) are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or



less on or after July 1, 2016. Compliance with this limit will be based on vendor certifications.

The current storage capacity is 100,000 gallons, physically located in two underground tanks in the central part of the operation. The jet fuel oil is supplied to the KIAC Energy Center via an underground pipeline owned by the Port Authority of NY/NJ. The facility has reviewed the sulfur in fuel data for the liquid jet fuel received from the airport and used by the airplanes and also by KIAC in their combustion turbines; the current average sulfur content of the jet fuel is 0.074%, and the maximum sulfur content is 0.091%. Since the turbines combust liquid fuel at a rate of approximately 50 gallons per minute (3,000 gallons per hour), it would not be possible to safely refuel the tanks at a rate that would allow a sustained operation (approximately 80 tanker trucks per week).

The jet fuel oil that KIAC combusts in the two combustion turbines is currently obtained via pipeline from the Kennedy airport operations. As the fuel used at KIAC is supplied via pipeline, the facility is required to maintain the collection/analysis of the fuel oil sample each time the fuel is delivered.

KIAC primarily uses natural gas for the operation of the two combustion turbines and their associated duct burners, and very infrequently uses distillate fuel oil for the two combustion turbines. But KIAC's contract with NYISO requires that Calpine maintains the ability to have dual fuel capability in the event of natural gas shortages or emergencies.

The two combustion turbines at KIAC use the low sulfur distillate fuel oil that is considered to be jet fuel and is supplied by the Kennedy Airport and is the same fuel that is utilized by the airport for fueling airplanes and does not meet the 0.0015 percent sulfur limitation according to 6 NYCRR 225-1.2.

The KIAC Energy Center is located in the middle of a very congested hub at the Kennedy Airport, adjacent to Terminal 7. There is no space for additional tankage and no ability to install a new off-loading facility. Because of the safety considerations associated with refueling the tanks via trucks at a location within the airport, the Department will allow KIAC to continue to utilize the existing source of distillate fuel oil (jet fuel with a maximum sulfur content is 0.091%) for its operation.



§225-1.6 Reports, sampling, and analysis.

(a) The department will require fuel analyses, information on the quantity of fuel received, fired or sold, and results of stack sampling, stack monitoring, and other procedures to ensure compliance with the provisions of this Subpart.

(b) (1) Any person who sells oil and/or coal must retain, for at least five years, records containing the following information:

(i) fuel analyses and data on the quantities of all oil and coal received; and

(ii) the names of all purchasers, fuel analyses, and data on the quantities of all oil and coal sold.

(2) Such fuel analyses must contain, as a minimum:

(i) data on the sulfur content, ash content, specific gravity, and heating value of residual oil;

(ii) data on the sulfur content, specific gravity, and heating value of distillate oil; and

(iii) data on the sulfur content, ash content, and heating value of coal.

(c) Sampling, compositing, and analysis of fuel samples must be done in accordance with methods acceptable to the department.

(d) Facility owners or fuel distributors required to maintain and retain records pursuant to this Subpart must make such records available for inspection by the department.

(e) 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. All other facility owners or distributors must submit these records and summaries upon request of the department.

(f) Facility owners subject to this Subpart must submit a written report of the fuel sulfur content exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable sulfur-in-fuel limitation,

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of particulates from this stationary combustion installations only if the facility operates on the distillate oil (Processes GT3, GT4, GT7 & GT8) during the term of the permit.

Records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: EPA Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 46: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 227-1.2 (a)

Item 46.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00001 Process: GT7	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT7	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: SCR02
Emission Unit: U-00002 Process: GT8	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT8	Emission Point: E0002 Emission Source: SCR02

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

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Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

To comply with the 0.10 lb/ MM BTU Particulates limit standard at Emission Points E0001 & E0002, the heating value of the distillate fuel oil fired shall not fall below 120,000 BTUs per gallon.

Records shall be maintained at the facility for a minimum of five years.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: HEAT CONTENT

Lower Permit Limit: 120,000 British thermal units per gallon

Monitoring Frequency: PER DELIVERY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 47: Compliance Certification

Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 47.1:

The Compliance Certification activity will be performed for the Facility.

Item 47.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which



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

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

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 48: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 48.1:

The Compliance Certification activity will be performed for the Facility.

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall monitor continuously and determine daily:



1. The average hourly rate of each fuel burned.
2. The average hourly electrical output.
3. The minimum and maximum hourly generation rate.

The requirement to monitor the gross heating value and ash content of fuel burned at least once per week is waived. The facility uses CEMS on each of its two stacks. See the compliance monitoring condition for 40 CFR 52-A.21(j) for CEMS requirements for smoke and carbon dioxide.

At the request of the NYSDEC, the facility shall submit a written report of excess emissions for each calendar quarter and the nature and cause of the excessive emissions if known. The facility shall retain records and summaries for at least five years, and upon the request of NYSDEC shall furnish such records and summaries.

KIAC is not required to install or monitor a continuous opacity monitor (COM) for monitoring the opacity. This is due to the fact that KIAC's turbines are equipped with a supplemental firing COEN duct burner and the duct burners are limited to natural gas firing only. In addition, KIAC's duct burners are below 250 MM Btu/hr and therefore; KIAC is also not required to monitor the opacity using COMS for stationary combustion installations as per 6 NYCRR 227-1.7. However, KIAC is required to demonstrate compliance with the applicable opacity standards of 6 NYCRR 227-1.3 through the performance of a semi-annual Method 9 observation test when firing on distillate fuel oil.

Reference Test Method: KEEP RECORDS
Monitoring Frequency: When firing distillate fuel oil
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 49: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 49.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00001	Emission Point: E0001
Emission Unit: U-00002	Emission Point: E0002

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Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For stack monitoring and recordkeeping requirements, the owner/operator of this facility shall record and maintain measurements and operations data as required by the commissioner.

Reference Test Method: KEEP RECORDS

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 50: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR 227-1.7

Item 50.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001	Emission Point: E0001
Process: GT3	
Emission Unit: U-00001	Emission Point: E0001
Process: GT7	
Emission Unit: U-00002	Emission Point: E0002
Process: GT4	
Emission Unit: U-00002	Emission Point: E0002
Process: GT8	

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

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate Matter emission limit of 0.1 lb/MM BTU.

KIAC is required to conduct the two-hour average emission of particulates from this stationary combustion

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installations only if the facility operates on the distillate oil (Processes GT3, GT4, GT7 & GT8) during the term of the permit.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.1 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 51: Compliance Certification

Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 227-1.7

Item 51.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: GT1

Emission Point: E0001

Emission Unit: U-00001
Process: GT3

Emission Point: E0001

Emission Unit: U-00001
Process: GT5

Emission Point: E0001

Emission Unit: U-00001
Process: GT7

Emission Point: E0001

Emission Unit: U-00002
Process: GT2

Emission Point: E0002

Emission Unit: U-00002
Process: GT4

Emission Point: E0002

Emission Unit: U-00002
Process: GT6

Emission Point: E0002

Emission Unit: U-00002
Process: GT8

Emission Point: E0002

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

KIAC Cogeneration Plant at JFK Airport will keep records concerning usage, sampling composition and analysis of fuel, emissions, opacity and any pertinent data associated

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with all combustion installations and provide this data when requested by the NYSDEC. Sampling, compositing and analysis of fuel samples shall be carried out in accordance with the most recent ASTM standard methods acceptable to NYSDEC.

Reference Test Method: ASTM Methods
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 52: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR 227-2.4 (e) (3)

Item 52.1:

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

Table with 2 columns: Emission Unit/Process and Emission Point/Source. It lists 10 rows of emission data for various units (U-00001, U-00002) and processes (GT1, GT2, GT5, GT6).



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

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This condition applies to the two 469 MM Btu/hr each GE LM 6000 PC SPRINT combustion turbine/HRSG units (Emission Sources GT001 & GT002) firing natural gas (Processes GT1 & GT2) with its corresponding duct burner (Emission Controls DB001 & DB002), and firing natural gas (Processes GT5 & GT6) without its corresponding duct burner and is applicable beginning July 1, 2014. The owner or operator shall submit a testing protocol to the Department for approval, a minimum of 30 days prior to the stack testing.

(3) For all combustion turbines that operate after July 1, 2014, the owner or operator of a combustion turbine with a maximum heat input rate of 10 million Btu per hour or greater must submit a proposal for RACT to be implemented that includes descriptions of:

(i) the available NO_x control technologies, the projected effectiveness of the technologies considered, and the costs for installation and operation for each of the technologies; and

(ii) the technology and the appropriate emission limit selected as RACT considering the costs for installation and operation of the technology.

The two 469 MM Btu/hr each GE LM 6000 PC SPRINT combustion turbine/HRSG units (Emission Sources GT001 & GT002) operate with or without their corresponding two duct burners (Emission Controls DB001 & DB002; respectively) in Emission Units U-00001 & U-00002.

The proposed NO_x RACT limit is 9 parts per million by volume (dry, corrected to 15% O₂) for the combined cycle combustion turbines (Emission Sources GT001 & GT002) firing natural gas (Processes GT1 & GT2) with their corresponding duct burner (Emission Control DB001 & DB002) and (Processes GT5 & GT6) without its corresponding duct burner in Emission Units U-00001 & U-00002.

For combustion turbines with or without a duct burner, compliance with the NO_x emission limit of 9 parts per million by volume (dry, corrected to 15% O₂) when firing



gas (Processes GT1, GT2, GT5 & GT6), will be based on the combination of the combustion turbine and the duct burner when both fire, and the combustion turbine alone when not duct-firing. The duct burner will never operate without its corresponding combustion turbine.

For units with a duct burner, compliance will be based on the combination of the turbine and the duct burner when both fire, and the turbine alone when not duct firing. Compliance with these emission limits shall be determined with a one hour average in accordance with section 2227-2.6(a)(5) or (6) of this Subpart. Units determining compliance under section 227-2.6(a)(6) of this Subpart may opt to utilize CEMS under the provisions of section 227-2.6(b) of this Subpart apply, including the use of a 24 hour averaging period.

The owner or operator of any stationary gas turbine subject to the provisions of 40 CFR 60, Subpart GG is required to control NOx emissions. In lieu of using water steam injection to control NOx emissions, the facility has chosen Continuous Emissions Monitoring System (CEMS) to monitor NOx and O2 on the duct burners/turbines associated with the combustion gas turbine in accordance with 40 CFR 60 KKKK 4400, and with 6 NYCRR 227-2.6(a)(2) and (b).

Compliance with this emission limit must be determined with a 24 hour averaging period when the owner or operator chooses to use a CEMS under the provisions of section 227-2.6(b) of this Subpart.

Manufacturer Name/Model Number: CEMS for NOx and O2

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 9 parts per million by volume (dry, corrected to 15% O2)

Reference Test Method: 40 CFR Appendices B & F

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: CONTINUOUS

Condition 53: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 227-2.4 (e) (3)

Item 53.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Point: E0001

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Process: GT3 Emission Source: DB001

Emission Unit: U-00001 Emission Point: E0001
Process: GT3 Emission Source: GT001

Emission Unit: U-00001 Emission Point: E0001
Process: GT3 Emission Source: SCR01

Emission Unit: U-00001 Emission Point: E0001
Process: GT7 Emission Source: GT001

Emission Unit: U-00001 Emission Point: E0001
Process: GT7 Emission Source: SCR01

Emission Unit: U-00002 Emission Point: E0002
Process: GT4 Emission Source: DB002

Emission Unit: U-00002 Emission Point: E0002
Process: GT4 Emission Source: GT002

Emission Unit: U-00002 Emission Point: E0002
Process: GT4 Emission Source: SCR02

Emission Unit: U-00002 Emission Point: E0002
Process: GT8 Emission Source: GT002

Emission Unit: U-00002 Emission Point: E0002
Process: GT8 Emission Source: SCR02

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

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This condition applies to the two 469 MM Btu/hr each GE LM 6000 PC SPRINT combustion turbine/HRSG units (Emission Sources GT001 & GT002) firing # 2 distillate fuel oil (Processes GT3 & GT4) with its corresponding duct burner (Emission Controls DB001 & DB002), and # 2 distillate fuel oil (Processes GT7 & GT8) without its corresponding duct burner and is applicable beginning July 1, 2014. The owner or operator shall submit a testing protocol to the Department for approval, a minimum of 30 days prior to the stack testing.

(3) For all combustion turbines that operate after July 1, 2014, the owner or operator of a combustion turbine with a maximum heat input rate of 10 million Btu per hour or greater must submit a proposal for RACT to be implemented



that includes descriptions of:

(i) the available NO_x control technologies, the projected effectiveness of the technologies considered, and the costs for installation and operation for each of the technologies; and

(ii) the technology and the appropriate emission limit selected as RACT considering the costs for installation and operation of the technology.

The two 469 MM Btu/hr each GE LM 6000 PC SPRINT combustion turbine/HRSG units (Emission Sources GT001 & GT002) operate with or without their corresponding two duct burners (Emission Controls DB001 & DB002; respectively) in Emission Units U-00001 & U-00002.

The proposed NO_x RACT limit is 18 parts per million by volume (dry, corrected to 15% O₂) for the combined cycle combustion turbines (Emission Sources GT001 & GT002) firing # 2 distillate fuel oil (Processes GT3 & GT4) with their corresponding duct burner (Emission Control DB001 & DB002) and (Processes GT7 & GT8) without its corresponding duct burner in Emission Units U-00001 & U-00002.

For combustion turbines with or without a duct burner, compliance with the NO_x emission limit of 18 parts per million by volume (dry, corrected to 15% O₂) when firing # 2 distillate fuel oil (Processes GT3, GT4, GT7 & GT8), will be based on the combination of the combustion turbine and the duct burner when both fire, and the combustion turbine alone when not duct-firing. The duct burner will never operate without its corresponding combustion turbine.

For units with a duct burner, compliance will be based on the combination of the turbine and the duct burner when both fire, and the turbine alone when not duct firing. Compliance with these emission limits shall be determined with a one hour average in accordance with section 2227-2.6(a)(5) or (6) of this Subpart. Units determining compliance under section 227-2.6(a)(6) of this Subpart may opt to utilize CEMS under the provisions of section 227-2.6(b) of this Subpart apply, including the use of a 24 hour averaging period.

The owner or operator of any stationary gas turbine subject to the provisions of 40 CFR 60, Subpart GG is required to control NO_x emissions. In lieu of using water steam injection to control NO_x emissions, the facility has chosen Continuous Emissions Monitoring System (CEMS) to monitor NO_x and O₂ on the duct burners/turbines

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associated with the combustion gas turbine in accordance with 40 CFR 60 KKKK 4400, and with 6 NYCRR 227-2.6(a)(2) and (b).

Compliance with this emission limit must be determined with a 24 hour averaging period when the owner or operator chooses to use a CEMS under the provisions of section 227-2.6(b) of this Subpart.

Manufacturer Name/Model Number: CEMS for NOx and O2

Upper Permit Limit: 18 parts per million by volume (dry, corrected to 15% O2)

Reference Test Method: 40 CFR Appendices B & F

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 54: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR 227-2.5

Item 54.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For any combined cycle combustion turbine having a maximum heat input rate greater than 250 mmBTU/hr, NOx emissions must be measured with a CEMS as described in subdivision (b) of this section.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 55: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR 227-2.6

Item 55.1:

The Compliance Certification activity will be performed for the facility:



The Compliance Certification applies to:

Emission Unit: U-00001 Process: GT1	Emission Point: E0001 Emission Source: DB001
Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: DB001
Emission Unit: U-00001 Process: GT5	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT7	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00002 Process: GT2	Emission Point: E0002 Emission Source: DB002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: DB002
Emission Unit: U-00002 Process: GT6	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT8	Emission Point: E0002 Emission Source: GT002

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

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator of combined cycle combination turbines with a maximum heat input rates greater than 250 million Btu per hour shall utilize CEMS as described in subdivision (b) of this section.

The owner/operator of simple cycle, regenerative combustion turbines and combined cycle combustion turbines with a maximum heat input rates of 250 million Btu per hour or less shall perform stack tests as described in subdivision (c) of this section.

The owner/operator of a NOx source subject to section 227-2.4(g) of this Subpart shall submit a proposal, subject to approval by the department and EPA, for the testing, monitoring, and reporting of NOx emissions, and such standards shall be consistent with applicable requirements for sources regulated under this Subpart with comparable BTU ratings.



Monitoring Frequency: CONTINUOUS
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 12 calendar month(s).

Condition 56: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 56.1:

The Compliance Certification activity will be performed for the Facility.

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This facility is required to comply with the testing, monitoring, and reporting requirements of 6 NYCRR 227-2.6 (b) (3) and 227-2.6 (b) (4).

RATA shall be performed and the results shall be reported in the format of Appendix F (or equivalent).

Following each calendar quarter, the owner or operator must tabulate and summarize applicable emissions, monitoring, and operating parameter measurements recorded during the preceding three months (including but not limited to type and amount of fuel burned on a daily basis, heat content of the fuel, total heating value of the fuel consumed on a daily basis, the actual NOx emission rate, the allowable NOx emission rate, and the summation of the emission sources included in a system averaging plan). These records must be submitted to the department within 30 days following the end of each calendar quarter in a format acceptable to the department and must include:

(a) the average NOx emission rates as specified under 6 NYCRR 227-2.6(b)(3) of this section;

(b) identification of the operating hours when NOx emissions data are not included in the calculation of the average emission rate and the reasons for not including that data; and

(c) the results of accuracy assessments as required by 40



- 2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.
- 3) Submit an acceptable stack test report that outlines the results obtained from the testing done to meet the requirement of #2 above.
- 4) Facility shall keep records of all testing done at this stationary combustion installation for a period of 5 years.

Normally, the two combustion turbines (Emission Sources GT001 & GT002) operate on natural gas (Processes GT1, GT2, GT5 & GT6). In very rare occasions, the two combustion turbines operate on distillate oil (Processes GT3, GT4, GT7 & GT8). KIAC is required to conduct the two hour average emission of particulates from these two stationary combustion installations only if the facility operates on the distillate oil (Processes GT3, GT4, GT7, GT8) during the term of the permit.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.10 pounds per million Btus
Reference Test Method: EPA Method 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 58: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 231-2.7 (b)

Item 58.1:

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

Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT7	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT8	Emission Point: E0002 Emission Source: GT002

Regulated Contaminant(s):



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

Item 58.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The two combustion turbines (Emission Sources GT001 & GT002) may not operate at less than 50% electrical load output except during periods of start-up, shut-down, fuel switching, or malfunction (not to exceed 6 hrs/occurrence) and during periods of annual electrical feed line maintenance (not to exceed 24 hrs/yr) when firing distillate fuel oil.

Start-up is defined as the period that begins when the combustion turbine generator engine is first fired with fuel and ends when the combustion turbine generator begins operating at a 1:1 fuel-to-water ratio plus 60 minutes, not to exceed 10 hours. Mode 6Q is achieved after start-up is complete.

Shutdown is defined as the period of time when the stop signal is initiated to when fuel is no longer combusted in the combustion turbine generator engine or a subsequent start is initiated, not to exceed 120 minutes per occurrence.

Manufacturer Name/Model Number: GE MODEL LM6000

Parameter Monitored: ELECTRICAL LOAD OUTPUT

Lower Permit Limit: 50 percent

Reference Test Method: See Monitoring Above

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 59: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 231-2.7 (b)

Item 59.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Point: E0001

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Process: GT5 Emission Source: GT001

Emission Unit: U-00001 Emission Point: E0001
Process: GT5 Emission Source: SCR01

Emission Unit: U-00002 Emission Point: E0002
Process: GT6 Emission Source: GT002

Emission Unit: U-00002 Emission Point: E0002
Process: GT6 Emission Source: SCR02

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

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The NOx emissions are limited to 16.10 pounds per hour, on an hourly average basis during natural gas firing in the combustion turbine and no duct burner. LAER is required in accordance with 6 NYCRR 231-2.7(b). This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute LAER for purposes of 6 NYCRR 231-231-2.7 (b).

CEMS are to be used to monitor the NOx emissions from the combustion turbine/HRSG without duct burner unit, during light distillate firing in the combustion turbine and no duct burner unit.

KIAC will use CEMS to continuously monitor the NOx emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 16.10 pounds per hour
Reference Test Method: 40 CFR Part 60 Appendix B & F
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 4/30/2016.
Subsequent reports are due every 3 calendar month(s).



Condition 60: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 231-2.7 (b)

Item 60.1:

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

Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: DB001
Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: DB002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: SCR02

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

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

In order to satisfy the requirements of 6 NYCRR 231-2.7 (b) and 6 NYCRR 227-2.4(e)(3), the NO_x emissions are limited to 18.0 parts per million by volume (dry, corrected to 15% O₂), on an hourly average basis during distillate oil firing in the combustion turbine and natural gas firing in the duct burner. LAER is required in accordance with 6 NYCRR 231-2.7(b). This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute LAER for purposes of 6 NYCRR 231-231-2.7 (b). Based upon a NO_x RACT Compliance Plan dated November, 2012, these operational limits shall constitute RACT for purposes of 6



NYCRR 227-2.4(e)(3).

CEMS are to be used to monitor the NOx emissions from the combustion turbine/HRSG and duct burner units during light distillate fuel oil firing in the combustion turbine and natural gas firing in the duct burner unit.

KIAC will use CEMS to continuously monitor the NOx emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 18.00 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: 40 CFR Part 60 Appendix B & F
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 61: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 231-2.7 (b)

Item 61.1:

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

Emission Unit: U-00001 Process: GT1	Emission Point: E0001 Emission Source: DB001
Emission Unit: U-00001 Process: GT1	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT1	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT2	Emission Point: E0002 Emission Source: DB002
Emission Unit: U-00002 Process: GT2	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT2	Emission Point: E0002 Emission Source: SCR02



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

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The NOx emissions are limited to 20.08 pounds per hour, on an hourly average basis during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner. This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute LAER for purposes of 6 NYCRR 231-231-2.7 (b).

CEMS are to be used to monitor the NOx emissions from the combustion turbine/HRSG and duct burner units during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner unit.

KIAC will use CEMS to continuously monitor the NOx emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 20.08 pounds per hour
Reference Test Method: 40 CFR Part 60, Appendix B & F
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 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 62: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 231-2.7 (b)

Item 62.1:

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

Emission Unit: U-00001 Emission Point: E0001
Process: GT5 Emission Source: GT001



Emission Unit: U-00001 Process: GT5	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT6	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT6	Emission Point: E0002 Emission Source: SCR02

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

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The CO emissions are limited to 5.0 parts per million by volume (dry, corrected to 15% O₂), on an hourly average basis during natural gas firing in the combustion turbine and no duct burner. LAER is required in accordance with 6 NYCRR 231-2.7(b). This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute LAER for purposes of 6 NYCRR 231-231-2.7 (b).

CEMS are to be used to monitor the CO emissions from the combustion turbine/HRSG without the duct burner unit during natural gas firing in the combustion turbine unit and no duct burner unit.

KIAC will use CEMS to continuously monitor the CO emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 5.00 parts per million by volume
(dry, corrected to 15% O₂)
Reference Test Method: 40 CFR Part 60 Appendix B & F
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2016.
Subsequent reports are due every 3 calendar month(s).



Condition 63: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 231-2.7 (b)

Item 63.1:

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

Emission Unit: U-00001 Process: GT7	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT7	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT8	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT8	Emission Point: E0002 Emission Source: SCR02
Regulated Contaminant(s): CAS No: 000630-08-0	CARBON MONOXIDE

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

CEMS are to be used to monitor CO emissions from the combustion turbine/HRSG without duct burners units while firing light distillate fuel oil in the combustion turbine and no duct burner unit.

The CO emissions are limited to 5.20 pounds per hour, on an hourly average basis during light distillate fuel oil firing in the combustion turbine and no duct burner unit. LAER is required in accordance with 6 NYCRR 231-2.7(b).

Operation of the source in this manner shall constitute LAER for purposes of 6 NYCRR 231-231-2.7 (b).

CEMS are to be used to monitor the CO emissions from the combustion turbine without duct burner unit during light distillate fuel oil firing in the combustion turbine and no duct burner unit.

KIAC will use CEMS to continuously monitor the CO emission at the stack.



Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 5.20 pounds per hour
Reference Test Method: 40 CFR Part 60 Appendix B & F
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 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 64: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 231-2.7 (b)

Item 64.1:

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

Emission Unit: U-00001 Process: GT1	Emission Point: E0001 Emission Source: DB001
Emission Unit: U-00001 Process: GT1	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT1	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT2	Emission Point: E0002 Emission Source: DB002
Emission Unit: U-00002 Process: GT2	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT2	Emission Point: E0002 Emission Source: SCR02

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

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

In order to satisfy the requirements of 6 NYCRR 231-2.7 (b) and 6 NYCRR 227-2.4(e)(3), the NO_x emissions are limited to 9.0 parts per million by volume (dry, corrected



to 15% O₂), on an hourly average basis during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner. This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute LAER for purposes of 6 NYCRR 231-231-2.7 (b). Based upon a NO_x RACT Compliance Plan dated November, 2012, these operational limits shall constitute RACT for purposes of 6 NYCRR 227-2.4(e)(3).

CEMS are to be used to monitor the NO_x emissions from the combustion turbine/HRSG and duct burner units during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner unit.

KIAC will use CEMS to continuously monitor the NO_x emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 9.0 parts per million by volume
(dry, corrected to 15% O₂)
Reference Test Method: 40 CFR Part 60 Appendix B & F
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 65: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 231-2.7 (b)

Item 65.1:

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

Emission Unit: U-00001	Emission Point: E0001
Process: GT3	Emission Source: DB001
Emission Unit: U-00001	Emission Point: E0001



Process: GT3	Emission Source: GT001
Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: DB002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: SCR02
Regulated Contaminant(s): CAS No: 000630-08-0	CARBON MONOXIDE

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The CO emissions are limited to 7.5 parts per million by volume (dry, corrected to 15% O₂), on an hourly average basis during distillate oil firing in the combustion turbine/HRSG and natural gas firing in the duct burner. LAER is required in accordance with 6 NYCRR 231-2.7(b). This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute LAER for purposes of 6 NYCRR 231-231-2.7 (b).

CEMS are to be used to monitor the CO emissions from the combustion turbine/HRSG and duct burner units during light distillate fuel oil firing in the combustion turbine/HRSG and natural gas firing in the duct burner unit.

KIAC will use CEMS to continuously monitor the CO emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 7.50 parts per million by volume
(dry, corrected to 15% O₂)
Reference Test Method: 40 CFR Part 60 Appendix B & F
Monitoring Frequency: CONTINUOUS



Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 66: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 231-2.7 (b)

Item 66.1:

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

Emission Unit: U-00001 Process: GT7	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT7	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT8	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT8	Emission Point: E0002 Emission Source: SCR02
Regulated Contaminant(s): CAS No: 0NY210-00-0	OXIDES OF NITROGEN

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The NO_x emissions are limited to 32.48 pounds per hour, on an hourly average basis during distillate oil firing in the combustion turbine and no duct burner. LAER is required in accordance with 6 NYCRR 231-2.7(b). This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute LAER for purposes of 6 NYCRR 231-231-2.7 (b).

CEMS are to be used to monitor the NO_x emissions from the combustion turbine without duct burner during light distillate fuel oil firing in the combustion turbine and no duct burner unit.



KIAC will use CEMS to continuously monitor the NOx emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 32.48 pounds per hour
Reference Test Method: 40 CFR Part 60 Appendix B & F
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 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 67: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 231-2.7 (b)

Item 67.1:

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

Emission Unit: U-00001 Process: GT5	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT5	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT6	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT6	Emission Point: E0002 Emission Source: SCR02
Regulated Contaminant(s): CAS No: 0NY210-00-0	OXIDES OF NITROGEN

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

In order to satisfy the requirements of 6 NYCRR 231-2.7 (b) and 6 NYCRR 227-2.4(e)(3), the NOx emissions are limited to 9.0 parts per million by volume (dry, corrected to 15% O2), on an hourly average basis during natural gas firing in the combustion turbine and no duct burner. LAER is required in accordance with 6 NYCRR 231-2.7(b). This

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emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute LAER for purposes of 6 NYCRR 231-231-2.7 (b). Based upon a NOx RACT Compliance Plan dated November, 2012, these operational limits shall constitute RACT for purposes of 6 NYCRR 227-2.4(e)(3).

CEMS are to be used to monitor the NOx emissions from the combustion turbine/HRSG without the duct burner unit during natural gas firing in the combustion turbine unit and no duct burner unit.

KIAC will use CEMS to continuously monitor the NOx emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 9.00 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: 40 CFR Part 60 Appendix B & F
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 68: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR 231-2.7 (b)

Item 68.1:

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

Emission Unit: U-00001	Emission Point: E0001
Process: GT7	Emission Source: GT001
Emission Unit: U-00001	Emission Point: E0001
Process: GT7	Emission Source: SCR01
Emission Unit: U-00002	Emission Point: E0002
Process: GT8	Emission Source: GT002

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Emission Unit: U-00002
Process: GT8

Emission Point: E0002
Emission Source: SCR02

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

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

In order to satisfy the requirements of 6 NYCRR 231-2.7 (b) and 6 NYCRR 227-2.4(e)(3), the NO_x emissions are limited to 18.0 parts per million by volume (dry, corrected to 15% O₂), on an hourly average basis during distillate oil firing in the combustion turbine and no duct burner. LAER is required in accordance with 6 NYCRR 231-2.7(b). This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute LAER for purposes of 6 NYCRR 231-231-2.7 (b). Based upon a NO_x RACT Compliance Plan dated November, 2012, these operational limits shall constitute RACT for purposes of 6 NYCRR 227-2.4(e)(3).

CEMS are to be used to monitor the NO_x emissions from the combustion turbine without the duct burner unit during light distillate fuel oil firing in the combustion turbine and no duct burner unit.

KIAC will use CEMS to continuously monitor the NO_x emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 18.00 parts per million by volume
(dry, corrected to 15% O₂)
Reference Test Method: 40 CFR Part 60 Appendix B & F
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 69: Compliance Certification



Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 231-2.7 (b)

Item 69.1:

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

Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: DB001
Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: DB002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: SCR02
Regulated Contaminant(s): CAS No: 000630-08-0	CARBON MONOXIDE

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The CO emissions are limited to 8.00 pounds per hour, on an hourly average basis during distillate oil firing in the combustion turbine/HRSG and natural gas firing in the duct burner. LAER is required in accordance with 6 NYCRR 231-2.7(b). This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute LAER for purposes of 6 NYCRR 231-231-2.7 (b).

CEMS are to be used to monitor the CO emissions from the combustion turbine/HRSG and duct burner units during light distillate fuel oil firing in the combustion turbine/HRSG and natural gas firing in the duct burner unit.

KIAC will use CEMS to continuously monitor the CO emission

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at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 8.00 pounds per hour
Reference Test Method: 40 CFR Part 60 Appendix B & F
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 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 70: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR 231-2.7 (b)

Item 70.1:

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

Emission Unit: U-00001 Process: GT1	Emission Point: E0001 Emission Source: DB001
Emission Unit: U-00001 Process: GT1	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT1	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT2	Emission Point: E0002 Emission Source: DB002
Emission Unit: U-00002 Process: GT2	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT2	Emission Point: E0002 Emission Source: SCR02
Regulated Contaminant(s): CAS No: 000630-08-0	CARBON MONOXIDE

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The CO emissions are limited to 5.0 parts per million by



volume (dry, corrected to 15% O₂), on an hourly average basis during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner. This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute LAER for purposes of 6 NYCRR 231-231-2.7 (b).

CEMS are to be used to monitor the NO_x emissions from the combustion turbine/HRSG and duct burner units during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner unit.

KIAC will use CEMS to continuously monitor the CO emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 5.00 parts per million by volume
(dry, corrected to 15% O₂)
Reference Test Method: 40 CFR Part 60 Appendix B & F
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 71: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 231-2.7 (b)

Item 71.1:

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

Emission Unit: U-00001 Process: GT7	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT7	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT8	Emission Point: E0002 Emission Source: GT002

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Emission Unit: U-00002
Process: GT8

Emission Point: E0002
Emission Source: SCR02

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

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEMS are to be used to monitor CO emissions from the combustion turbine/HRSG without duct burners unit while firing light distillate fuel oil.

The CO emissions are limited to 7.5 parts per million by volume (dry, corrected to 15% O₂), on an hourly average basis during light distillate fuel oil firing in the combustion turbine and no duct burner. LAER is required in accordance with 6 NYCRR 231-2.7(b).

Operation of the source in this manner shall constitute LAER for purposes of 6 NYCRR 231-231-2.7 (b).

CEMS are to be used to monitor CO emissions from the combustion turbine without duct burner unit during natural light distillate fuel oil firing in the combustion turbine and no duct burner unit.

KIAC will use CEMS to continuously monitor CO emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 7.50 parts per million by volume
(dry, corrected to 15% O₂)
Reference Test Method: 40 CFR Part 60 Appendix B & F
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 72: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR 231-2.7 (b)



Item 72.1:

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

Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: DB001
Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: DB002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: SCR02

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

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

The NOx emissions are limited to 36.46 pounds per hour, on an hourly average basis during distillate oil firing in the combustion turbine and natural gas firing in the duct burner. LAER is required in accordance with 6 NYCRR 231-2.7(b). This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute LAER for purposes of 6 NYCRR 231-231-2.7 (b).

CEMS are to be used to monitor the NOx emissions from the combustion turbine/HRSG and duct burner units during light distillate fuel oil firing in the combustion turbine and natural gas firing in the duct burner unit.

KIAC will use CEMS to continuously monitor the NOx emission at the stack.

Records shall be maintained at the facility for a minimum of five years.



CEMS are to be used to monitor CO emissions from the combustion turbine/HRSG without duct burner unit during natural gas firing in the combustion turbine and no duct burner unit.

KIAC will use CEMS to continuously monitor the CO emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 5.20 pounds per hour
Reference Test Method: 40 CFR Part 60 Appendix B & F
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 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 74: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 6 NYCRR 231-2.7 (b)

Item 74.1:

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

Emission Unit: U-00001 Process: GT1	Emission Point: E0001 Emission Source: DB001
Emission Unit: U-00001 Process: GT1	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT1	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT2	Emission Point: E0002 Emission Source: DB002
Emission Unit: U-00002 Process: GT2	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT2	Emission Point: E0002 Emission Source: SCR02

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



Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 76.1:

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

Emission Unit: U-00001	Emission Point: E0001
Process: GT1	Emission Source: DB001

Emission Unit: U-00001	Emission Point: E0001
Process: GT3	Emission Source: DB001

Emission Unit: U-00002	Emission Point: E0002
Process: GT2	Emission Source: DB002

Emission Unit: U-00002	Emission Point: E0002
Process: GT4	Emission Source: DB002

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

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The duct burners are limited to natural gas firing. The total annual natural gas use shall not exceed 1,034 million standard cubic feet per year, based on a daily rolling basis. (This limit is for both duct burners). The duct burners are limited to a maximum combined gross heat input of 249 MM BTU/hr. A restrictive orifice plate was installed on the main fuel gas feeder line and is continuously monitored to limit the feed rate to verify compliance with the 249 MM BTU/hr limit.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NATURAL GAS

Upper Permit Limit: 249 million Btu per hour

Reference Test Method: 40 CFR Part 60 Appendix B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 77: Compliance Certification

Effective between the dates of 03/01/2016 and 02/28/2021



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

Item 77.1:

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

Emission Unit: U-00001 Process: GT1	Emission Point: E0001 Emission Source: DB001
Emission Unit: U-00001 Process: GT1	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT1	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT2	Emission Point: E0002 Emission Source: DB002
Emission Unit: U-00002 Process: GT2	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT2	Emission Point: E0002 Emission Source: SCR02

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

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

KIAC will control Ammonia emissions through proper operation and control of the Selective Catalytic Reduction (SCR). Control of the Ammonia feed rate will be based on the NOx and fuel flow.

The NH3 emissions are limited to 10.0 parts per million by volume (dry, corrected to 15% O2), on an hourly average basis during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner. This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute BACT for purposes of 6 NYCRR 212.4 (a) and 40 CFR 52.21(j), Subpart A..

CEMS are to be used to monitor the NH3 emissions from the

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operation and control of the Selective Catalytic Reduction (SCR). Control of the Ammonia feed rate will be based on the NOx and fuel flow.

The NH3 emissions are limited to 6.67 pounds per hour, on an hourly average basis. This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute BACT for purposes of 6 NYCRR 212.4 (a) and 40 CFR 52.21(j), Subpart A.

CEMS are to be used to monitor NH3 emissions from the combustion turbine/HRSG without duct burners units while firing light distillate fuel oil in the combustion turbine and natural gas in the duct burner unit.

KIAC will use CEMS to monitor the NOx emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: AMMONIA
Upper Permit Limit: 6.67 pounds per hour
Reference Test Method: 40 CFR Part 60 Appendix B & F
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 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 79: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 79.1:

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

Emission Unit: U-00001	Emission Point: E0001
Process: GT1	Emission Source: DB001
Emission Unit: U-00001	Emission Point: E0001
Process: GT1	Emission Source: GT001
Emission Unit: U-00001	Emission Point: E0001

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Process: GT1 Emission Source: SCR01

Emission Unit: U-00002 Emission Point: E0002
Process: GT2 Emission Source: DB002

Emission Unit: U-00002 Emission Point: E0002
Process: GT2 Emission Source: GT002

Emission Unit: U-00002 Emission Point: E0002
Process: GT2 Emission Source: SCR02

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

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

KIAC will control Ammonia emissions through proper operation and control of the Selective Catalytic Reduction (SCR). Control of the Ammonia feed rate will be based on the NOx and fuel flow.

The NH3 emissions are limited to 9.19 pounds per hour, on an hourly average basis during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner. This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute BACT for purposes of 6 NYCRR 212.4 (a) and 40 CFR 52.21(j), Subpart A.

CEMS are to be used to monitor the NH3 emissions from the combustion turbine/HRSG and duct burner units during natural gas firing in the combustion turbine and natural gas firing in the duct burner unit.

KIAC will use CEMS to monitor the NH3 emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS

Parameter Monitored: AMMONIA

Upper Permit Limit: 9.19 pounds per hour

Reference Test Method: 40 CFR Part 60 Appendix B & F

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 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 80: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 80.1:

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

Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: DB001
Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: DB002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: SCR02
Regulated Contaminant(s): CAS No: 007664-41-7	AMMONIA

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

KIAC will control Ammonia emissions through proper operation and control of the Selective Catalytic Reduction (SCR). Control of the Ammonia feed rate will be based on the NOx and fuel flow.

The NH3 emissions are limited to 10.0 parts per million by volume (dry, corrected to 15% O2), on an hourly average basis. This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

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Operation of the source in this manner shall constitute BACT for purposes of 6 NYCRR 212.4 (a) and 40 CFR 52.21(j), Subpart A.

CEMS are to be used to monitor the NH3 emissions from the combustion turbine/HRSG and duct burner units during light distillate fuel firing in the combustion turbine and natural gas firing in the duct burner unit.

KIAC will use CEMS to monitor the NH3 emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: AMMONIA
Upper Permit Limit: 10.00 parts per million by volume (dry, corrected to 15% O2)
Reference Test Method: 40 CFR Part 60 Appendix B & F
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 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 81: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 81.1:

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

Table with 2 columns: Emission Unit/Process and Emission Point/Source. Rows include units U-00001, U-00002 and processes GT3, GT4 with corresponding emission points and sources.

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Emission Unit: U-00002

Emission Point: E0002

Process: GT4

Emission Source: SCR02

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

KIAC will control Ammonia emissions through proper operation and control of the Selective Catalytic Reduction (SCR). Control of the Ammonia feed rate will be based on the NOx and fuel flow.

The NH₃ emissions are limited to 9.25 pounds per hour, on an hourly average basis. This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute BACT for purposes of 6 NYCRR 212.4 (a) and 40 CFR 52.21(j), Subpart A.

CEMS are to be used to monitor the NH₃ emissions from the combustion turbine/HRSG and duct burner units during light distillate fuel firing in the combustion turbine and natural gas firing in the duct burner unit.

KIAC will use CEMS to monitor the NH₃ emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS

Parameter Monitored: AMMONIA

Upper Permit Limit: 9.25 pounds per hour

Reference Test Method: 40 CFR Part 60 Appendix B & F

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 4/30/2016.

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

Condition 82: Compliance Certification

Effective between the dates of 03/01/2016 and 02/28/2021

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

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Item 82.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001	Emission Point: E0001
Process: GT1	Emission Source: DB001

Emission Unit: U-00001	Emission Point: E0001
Process: GT3	Emission Source: DB001

Emission Unit: U-00002	Emission Point: E0002
Process: GT2	Emission Source: DB002

Emission Unit: U-00002	Emission Point: E0002
Process: GT4	Emission Source: DB002

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

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The duct burners are limited to natural gas firing. The duct burners are limited to a maximum combined gross heat input of 249 MM BTU/hr each. A restrictive orifice plate was installed on the main fuel gas feeder line and is continuously monitored to limit the feed rate to verify compliance with the 249 MM BTU/hr limit for each duct burner. The total annual natural gas use shall not exceed 1,034 million standard cubic feet per year, based on a daily rolling basis. (This limit is for both duct burners).

Manufacturer Name/Model Number: COEN Lo-NO_x-Lo-CO

Reference Test Method: KEEP FUEL RECORDS

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 83: Compliance Certification

Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 83.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001	Emission Point: E0001
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Process: GT5 Emission Source: GT001

Emission Unit: U-00001 Emission Point: E0001
Process: GT5 Emission Source: SCR01

Emission Unit: U-00002 Emission Point: E0002
Process: GT6 Emission Source: GT002

Emission Unit: U-00002 Emission Point: E0002
Process: GT6 Emission Source: SCR02

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

Item 83.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

KIAC will control Ammonia emissions through proper operation and control of the Selective Catalytic Reduction (SCR). Control of the Ammonia feed rate will be based on the NOx and fuel flow.

The NH3 emissions are limited to 6.61 pounds per hour, on an hourly average basis during natural gas firing in the turbine without duct firing. This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute BACT for purposes of 6 NYCRR 212.4 (a) and 40 CFR 52.21(j), Subpart A.

CEMS are to be used to monitor NH3 emissions from the combustion turbine/HRSG without duct burners units while firing natural gas in the combustion turbine and no duct burner unit.

KIAC will use CEMS to monitor the NH3 emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS

Parameter Monitored: AMMONIA

Upper Permit Limit: 6.61 pounds per hour

Reference Test Method: 40 CFR Parts 60 Appendix B & F

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 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 84: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 84.1:

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

Emission Unit: U-00001 Process: GT7	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT7	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT8	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT8	Emission Point: E0002 Emission Source: SCR02
Regulated Contaminant(s): CAS No: 007664-41-7	AMMONIA

Item 84.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

KIAC will control Ammonia emissions through proper operation and control of the Selective Catalytic Reduction (SCR). Control of the Ammonia feed rate will be based on the NOx and fuel flow.

The NH3 emissions are limited to 10.0 parts per million by volume (dry, corrected to 15% O2), on an hourly average basis. This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-

Operation of the source in this manner shall constitute BACT for purposes of 6 NYCRR 212.4 (a) and 40 CFR 52.21(j), Subpart A.

CEMS are to be used to monitor NH3 emissions from the combustion turbine/HRSG without the duct burner unit



during light distillate fuel firing.

KIAC will use CEMS to monitor the NO_x emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: AMMONIA
Upper Permit Limit: 10.00 parts per million by volume
(dry, corrected to 15% O₂)
Reference Test Method: 40 CFR Part 60 Appendix B & F
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 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 85: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 85.1:

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

Emission Unit: U-00001 Process: GT5	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT5	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT6	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT6	Emission Point: E0002 Emission Source: SCR02

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

Item 85.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

KIAC will control Ammonia emissions through proper operation and control of the Selective Catalytic Reduction (SCR). Control of the Ammonia feed rate will be



based on the NOx and fuel flow.

The NH3 emissions are limited to 10.0 parts per million by volume (dry, corrected to 15% O2), on an hourly average basis. This emission limit applies at all times, except during periods of start-up/shutdown, equipment maintenance, malfunctions and upsets as per the requirements of 6 NYCRR 201-1.4.

Operation of the source in this manner shall constitute BACT for purposes of 6 NYCRR 212.4 (a) and 40 CFR 52.21(j), Subpart A.

CEMS are to be used to monitor NH3 emissions from the combustion turbine/HRSG without the duct burner unit during natural gas firing in the combustion turbine and no duct burner unit.

KIAC will use CEMS to monitor the NH3 emission at the stack.

Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: AMMONIA
Upper Permit Limit: 10.00 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: 40 CFR Part 60 Appendix B & F
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 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 86: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 86.1:

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

Emission Unit: U-00001 Emission Point: E0001

Emission Unit: U-00002 Emission Point: E0002

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE
CAS No: 0NY210-00-0 OXIDES OF NITROGEN



Item 86.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The mass emission rate (lb/hr) of NOx and CO from the combustion turbine/duct burner stacks must be continuously calculated using the methodology contained in the CEM monitoring plan.

Reference Test Method: PT 60 Appendix B & F

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 87: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 87.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: DB002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: SCR02
Emission Unit: U-00002 Process: GT8	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT8	Emission Point: E0002 Emission Source: SCR02

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

Item 87.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

Combustion Turbine Unit # 2 (Emission Source GT002) is

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limited to 4.8 million gallons of light distillate fuel oil use (Processes GT4 & GT8) per year. This annual limit is based on a daily rolling average.

All records must be maintained at the facility for a minimum of five years.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Upper Permit Limit: 4800000 gallons per year
Reference Test Method: Keep Fuel Records
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 88: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 88.1:

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

Table with 2 columns: Emission Unit/Process and Emission Point/Source. Rows include units U-00001 with processes GT3, GT7 and emission points E0001 and sources DB001, GT001, SCR01.

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

Item 88.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:



The Compliance Certification applies to:

Emission Unit: U-00001 Emission Point: E0001
Emission Unit: U-00002 Emission Point: E0002

Item 90.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

KIAC Cogeneration Plant at JFK Airport received approval from USEPA Region II in a letter dated 11/18/1994 to use Continuous Emission Monitoring (CEMS) in lieu of water-to-fuel monitoring in the gas turbine. Emission Units U-00001 & U-00002 are subject to the CEMS monitoring requirements under 40 CFR 60.7 and 60.13 and shall comply with the applicable requirements of these sections.

Reference Test Method: SEE MONITORING ABOVE

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 91: Compliance Certification

Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 91.1:

The Compliance Certification activity will be performed for the Facility.

Item 91.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- 1) a notification of the date construction or reconstruction commenced, postmarked no later than 30 days after such date;
- 2) a notification of the actual date of initial start up, postmarked within 15 days after such date;
- 3) a notification of any physical or operational change to an existing facility which may increase the emission rate



of any air pollutant to which a standard applies, unless the change is specifically exempted under 40 CFR 60. The notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change; Permit ID: 2-6308-00096/00009 Facility DEC ID: 2-6308-00096 Air Pollution Control Permit Conditions Renewal 1 Page 65 FINAL

4) a notification of the date upon which the demonstration of continuous monitoring system performance commences, postmarked not less than 30 days prior to such date;

5) a notification of the anticipated date for conducting the opacity observations, postmarked not less than 30 days prior to such date; and

6) a notification that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during the performance test, postmarked not less than 30 days prior to the performance test.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 92: Recordkeeping requirements.
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 92.1:

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

Condition 93: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 93.1:

The Compliance Certification activity will be performed for the Facility.

Item 93.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 94: Excess emissions report.
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 94.1:

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

Condition 95: Facility files for subject sources.
Effective between the dates of 03/01/2016 and 02/28/2021

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



Item 95.1:

The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspections. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

Condition 96: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 40CFR 60.11, NSPS Subpart A

Item 96.1:

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

Emission Unit: U-00001 Process: GT3	Emission Point: E0001
Emission Unit: U-00001 Process: GT7	Emission Point: E0001
Emission Unit: U-00002 Process: GT4	Emission Point: E0002
Emission Unit: U-00002 Process: GT8	Emission Point: E0002
Regulated Contaminant(s):	
CAS No: 0NY075-00-0	PARTICULATES

Item 96.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:
Optional

Opacity standard compliance testing.

The following conditions shall be used to determine compliance with the opacity standards:

1) observations shall be conducted in accordance with Reference Method 9, in Appendix A or this Part 40 CFR 60(or an equivalent method approved by the Administrator including continuous opacity monitors) when firing distillate fuel oil;

2) the opacity standards apply at all times except during



periods of start up, shutdown, and malfunction; and

3) all other applicable conditions cited in section 60.11 of this part.

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 97: Circumvention.
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 97.1:

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

Condition 98: Monitoring requirements.
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A

Item 98.1:

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

Condition 99: Monitoring requirements.
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A

Item 99.1:

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



Applicable Federal Requirement:40CFR 60.47b, NSPS Subpart Db

Item 102.1:

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

Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: DB001
Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT3	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00001 Process: GT7	Emission Point: E0001 Emission Source: GT001
Emission Unit: U-00001 Process: GT7	Emission Point: E0001 Emission Source: SCR01
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: DB002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002 Emission Source: SCR02
Emission Unit: U-00002 Process: GT8	Emission Point: E0002 Emission Source: GT002
Emission Unit: U-00002 Process: GT8	Emission Point: E0002 Emission Source: SCR02
Regulated Contaminant(s): CAS No: 007446-09-5	SULFUR DIOXIDE

Item 102.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facilities which combust very low sulfur oil are not subject to the requirements of section 40 CFR 60-Db.47b if fuel receipts are obtained in accordance with subdivision 40 CFR 60-Db.49b(r). The owner or operator who elects to demonstrate that the affected facility combusts only very low sulfur oil shall obtain and maintain at the facility fuel receipts from the fuel supplier which certify that the oil meets the definition of distillate oil as defined



in 40 CFR 60.41b. For the purposes of this requirements, the oil need not meet the fuel nitrogen content specification in the definition of distillate oil. Semi-annual reports shall be submitted to the Administrator certifying that only very low sulfur oil was combusted in the affected facility during the reporting period. Reports shall be postmarked by the 30th day following the end of the reporting period.

KIAC primarily uses natural gas for the operation of the two combustion turbines and their associated duct burners, and very infrequently uses distillate fuel oil for the two combustion turbines. But KIAC's contract with NYISO requires that Calpine maintains the ability to have dual fuel capability in the event of natural gas shortages or emergencies.

The two combustion turbines at KIAC use the low sulfur distillate fuel oil that is considered to be jet fuel and is supplied by the Kennedy Airport and is the same fuel that is utilized by the airport for fueling airplanes and does not meet the 0.0015 percent sulfur limitation according to 6 NYCRR 225-1.2.

The fuel oil is supplied to the KIAC Energy Center via an underground pipeline owned by the Port Authority of NY/NJ. The facility has reviewed the sulfur in fuel data for the liquid jet fuel received from the airport and used by the airplanes and also by KIAC in their two combustion turbines; the current average sulfur content of the jet fuel is 0.074%, and the maximum sulfur content is 0.091%.

As the fuel used at KIAC is supplied via pipeline, the facility is required to maintain the collection/analysis of the fuel oil sample each time the fuel is delivered.

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. All other facility owners or distributors must submit these records and summaries upon request of the Department.

All records must be maintained at the facility for a minimum of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 103: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:40CFR 60.48b(f), NSPS Subpart Db

Item 103.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Emission Point: E0001
Process: GT1

Emission Unit: U-00001 Emission Point: E0001
Process: GT3

Emission Unit: U-00001 Emission Point: E0001
Process: GT5

Emission Unit: U-00001 Emission Point: E0001
Process: GT7

Emission Unit: U-00002 Emission Point: E0002
Process: GT2

Emission Unit: U-00002 Emission Point: E0002
Process: GT4

Emission Unit: U-00002 Emission Point: E0002
Process: GT6

Emission Unit: U-00002 Emission Point: E0002
Process: GT8

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

Item 103.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day. When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks, and zero



and span adjustments, emission data will be obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days.

Reference Test Method: Method 7, 7A
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 104: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 104.1:

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

Emission Unit: U-00001 Process: GT1	Emission Point: E0001
Emission Unit: U-00001 Process: GT3	Emission Point: E0001
Emission Unit: U-00001 Process: GT5	Emission Point: E0001
Emission Unit: U-00001 Process: GT7	Emission Point: E0001
Emission Unit: U-00002 Process: GT2	Emission Point: E0002
Emission Unit: U-00002 Process: GT4	Emission Point: E0002
Emission Unit: U-00002 Process: GT6	Emission Point: E0002
Emission Unit: U-00002 Process: GT8	Emission Point: E0002

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



Item 104.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The reporting period for the reports required under this subpart is each 6 month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period.

The owner or operator of an affected facility may submit electronic quarterly reports for NO_x in lieu of submitting the written reports required above. The format of each quarterly electronic report shall be coordinated with the permitting authority. The electronic report(s) shall be submitted no later than 30 days after the end of the calendar quarter and shall be accompanied by a certification statement from the owner or operator, indicating whether compliance with the applicable emission standards and minimum data requirements of this subpart was achieved during the reporting period. Before submitting reports in the electronic format, the owner or operator shall coordinate with the permitting authority to obtain their agreement to submit reports in this alternative format.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 105: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:40CFR 60.48c(a), NSPS Subpart Dc

Item 105.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Point: E0001

Emission Unit: U-00002

Emission Point: E0002

Item 105.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and operator of each affected facility shall submit notification of the date of construction or



when firing on distillate fuel oil.

The two combustion turbines at KIAC use the low sulfur distillate fuel oil that is considered to be jet fuel and is supplied by the Kennedy Airport and is the same fuel that is utilized by the airport for fueling airplanes and does not meet the 0.0015 percent sulfur limitation according to 6 NYCRR 225-1.2.

The fuel oil is supplied to the KIAC Energy Center via an underground pipeline owned by the Port Authority of NY/NJ. The facility has reviewed the sulfur in fuel data for the liquid jet fuel received from the airport and used by the airplanes and also by KIAC in their two combustion turbines; the current average sulfur content of the jet fuel is 0.074%, and the maximum sulfur content is 0.091%.

As the fuel used at KIAC is supplied via pipeline, the facility is required to maintain the collection/analysis of the fuel oil sample each time the fuel is delivered.

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. All other facility owners or distributors must submit these records and summaries upon request of the Department.

All records must be maintained at the facility for a minimum of five years.

Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.173 percent by weight
Reference Test Method: ASTM-D3246-81 & D3031
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 107: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement: 40CFR 60.334(h)(3), NSPS Subpart GG

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Permit ID: 2-6308-00096/00009

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Item 107.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001	Emission Point: E0001
Process: GT1	Emission Source: DB001

Emission Unit: U-00001	Emission Point: E0001
Process: GT5	Emission Source: GT001

Emission Unit: U-00002	Emission Point: E0002
Process: GT2	Emission Source: DB002

Emission Unit: U-00002	Emission Point: E0002
Process: GT6	Emission Source: GT002

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

Item 107.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In accordance with the May 30, 1997 EPA Approved Custom Fuel Monitoring Schedule, the Sulfur content of the natural gas used at the facility will be sampled on a semi-annual basis. Semi-annual sampling will be conducted during the first and third quarters of each calendar year as per ASTM D-5504 Method.

Process Material: NATURAL GAS
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 16.0 parts per million by volume
(dry)

Reference Test Method: ASTM D-5504
Monitoring Frequency: SEMI-ANNUALLY
Averaging Method: 180-DAY AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 108: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:40CFR 75.20, Subpart C

Item 108.1:

The Compliance Certification activity will be performed for the Facility.

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Facility DEC ID: 2630800096



Item 108.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

CEM operation and maintenance requirements -
certification and recertification procedures:

Whenever the owner or operator makes a replacement, modification, or change in the certified continuous emission monitoring system (which includes the automated data acquisition and handling system, and, where applicable, the CO₂ continuous emission monitoring system), that significantly affects the ability of the system to measure, volumetric gas flow, NO_x emission rate, NO_x concentration, or to meet the requirements of Part 75.21 or appendix B of 40 CFR 75, the owner or operator shall recertify the continuous emission monitoring system, according to the procedures in 40 CFR 75. Examples of changes which require recertification include: replacement of the analytical method, including the analyzer; change in location or orientation of the sampling probe or site; rebuilding of the analyzer or all monitoring system equipment; and replacement of an existing continuous emission monitoring system.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 109: Compliance Certification

Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:40CFR 97.406, Subpart AAAAA

Item 109.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 109.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) The facility shall comply with the requirement to have a designated representative, and may have an



alternate designated representative, in accordance with §§97.413 through 97.418 of Subpart AAAAA. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.

(2) The facility, and the designated representative, of each TR NOx Annual source (facility) and each TR NOx Annual Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.430 through 97.435 of Subpart AAAAA and subpart H of part 75 of this chapter. This includes but is not limited 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 NOx Annual allowances and to determine compliance with the TR NOx 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 NOx Annual facility and each TR NOx Annual Unit at the facility shall hold, in the facilities compliance account, TR NOx Annual allowances available for deduction for such control period under §97.424(a) in an amount not less than the tons of total NOx emissions for such control period from all TR NOx Annual Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 110: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:40CFR 97.506, Subpart BBBBB

Item 110.1:

The Compliance Certification activity will be performed for the Facility.



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

Item 110.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (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 111: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:40CFR 97.606, Subpart CCCCC

Item 111.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 111.2:

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 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,

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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 112: Emission Point Definition By Emission Unit
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 112.1:

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

Emission Unit: U-00001

Emission Point: E0001

Height (ft.): 110

Diameter (in.): 114

NYTMN (km.): 4500.27

NYTME (km.): 602.708

Building: COGENB

Item 112.2:

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

Emission Unit: U-00002

Emission Point: E0002

Height (ft.): 110

Diameter (in.): 114

NYTMN (km.): 4500.325

NYTME (km.): 602.771

Building: COGENB

Condition 113: Process Definition By Emission Unit
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 113.1:

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

Emission Unit: U-00001

Process: GT1

Source Classification Code: 2-02-002-03

Process Description:

Process GT1 is the firing of natural gas in one GE LM

6000 PC SPRINT combustion turbine/HRSG unit (Emission



Source GT001) with supplemental firing of the duct burner (Emission Source DB001) in Emission Unit U-00001. The combustion turbine firing natural gas as the primary fuel and light distillate oil as the secondary fuel. The duct burner (Emission Source DB001) is limited to natural gas firing. The combustion turbine/duct burner unit vents through a stack, identified as Emission Point E0001, that is located in the COGENB area. This emission unit is equipped with a selective catalytic reduction - SCR (Emission Control SCR01) as an emission control.

Emission Source/Control: DB001 - Combustion
Design Capacity: 249 million BTUs per hour

Emission Source/Control: GT001 - Combustion
Design Capacity: 469 million BTUs per hour

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

Item 113.2:

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

Emission Unit: U-00001

Process: GT3

Source Classification Code: 2-02-002-03

Process Description:

Process GT3 is the firing of light distillate oil in one GE LM 6000 PC SPRINT combustion turbine/HRSG unit (Emission Source GT001) with supplemental firing of the duct burner (Emission Source DB001) in Emission Unit U-00001. The combustion turbine firing natural gas as the primary fuel and light distillate oil as the secondary fuel. The duct burner (Emission Source DB001) is limited to natural gas firing. The combustion turbine/duct burner unit vents through a stack, identified as Emission Point E0001, that is located in the COGENB area. This emission unit is equipped with a selective catalytic reduction - SCR (Emission Control SCR01) as an emission control.

Light distillate oil firing is limited to 4.8 million gallons per year per combustion turbine (Emission Source GT001).

Emission Source/Control: DB001 - Combustion
Design Capacity: 249 million BTUs per hour

Emission Source/Control: GT001 - Combustion
Design Capacity: 469 million BTUs per hour

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



Item 113.3:

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

Emission Unit: U-00001

Process: GT5

Source Classification Code: 2-02-002-03

Process Description:

Process GT5 is the firing of natural gas in one GE LM 6000 PC SPRINT combustion turbine/HRSG unit (Emission Source GT001) with no supplemental firing of the duct burner (Emission Source DB001) in Emission Unit U-00001. The combustion turbine firing natural gas as the primary fuel and light distillate oil as the secondary fuel. The combustion turbine unit vents through a stack, identified as Emission Point E0001, that is located in the COGENB area. This emission unit is equipped with a selective catalytic reduction - SCR (Emission Control SCR01) as an emission control.

Emission Source/Control: GT001 - Combustion

Design Capacity: 469 million BTUs per hour

Emission Source/Control: SCR01 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 113.4:

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

Emission Unit: U-00001

Process: GT7

Source Classification Code: 2-02-002-03

Process Description:

Process GT7 is the firing of light distillate oil in one GE LM 6000 PC SPRINT combustion turbine/HRSG unit (Emission Source GT001) with no supplemental firing of the duct burner (Emission Source DB001) in Emission Unit U-00001. The combustion turbine firing natural gas as the primary fuel and light distillate oil as the secondary fuel. The combustion turbine unit vents through a stack, identified as Emission Point E0001, that is located in the COGENB area. This emission unit is equipped with a selective catalytic reduction - SCR (Emission Control SCR01) as an emission control.

Light distillate oil firing is limited to 4.8 million gallons per year per combustion turbine (Emission Source GT001).

Emission Source/Control: GT001 - Combustion

Design Capacity: 469 million BTUs per hour

Emission Source/Control: SCR01 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)



Item 113.5:

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

Emission Unit: U-00002

Process: GT2

Source Classification Code: 2-02-002-03

Process Description:

Process GT2 is the firing of natural gas in one GE LM 6000 PC SPRINT combustion turbine/HRSG unit (Emission Source GT002) with supplemental firing of the duct burner (Emission Source DB002) in Emission Unit U-00002. The combustion turbine firing natural gas as the primary fuel and light distillate oil as the secondary fuel. The duct burner (Emission Source DB002) is limited to natural gas firing. The combustion turbine/duct burner unit vents through a stack, identified as Emission Point E0002, that is located in the COGENB area. This emission unit is equipped with a selective catalytic reduction - SCR (Emission Control SCR02) as an emission control.

Emission Source/Control: DB002 - Combustion

Design Capacity: 249 million BTUs per hour

Emission Source/Control: GT002 - Combustion

Design Capacity: 469 million BTUs per hour

Emission Source/Control: SCR02 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 113.6:

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

Emission Unit: U-00002

Process: GT4

Source Classification Code: 2-02-002-03

Process Description:

Process GT4 is the firing of light distillate oil in one GE LM 6000 PC SPRINT combustion turbine/HRSG unit (Emission Source GT002) with supplemental firing of the duct burner (Emission Source DB002) in Emission Unit U-00002. The combustion turbine firing natural gas as the primary fuel and light distillate oil as the secondary fuel. The duct burner (Emission Source DB002) is limited to natural gas firing. The combustion turbine/duct burner unit vents through a stack, identified as Emission Point E0002, that is located in the COGENB area. This emission unit is equipped with a selective catalytic reduction - SCR (Emission Control SCR02) as an emission control.

Light distillate oil firing is limited to 4.8 million gallons per year per combustion turbine (Emission Source GT002).

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Emission Source/Control: DB002 - Combustion
Design Capacity: 249 million BTUs per hour

Emission Source/Control: GT002 - Combustion
Design Capacity: 469 million BTUs per hour

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

Item 113.7:

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

Emission Unit: U-00002
Process: GT6 Source Classification Code: 2-02-002-03
Process Description:

Process GT6 is the firing of natural gas in one GE LM 6000 PC SPRINT combustion turbine/HRSG unit (Emission Source GT002) with no supplemental firing of the duct burner (Emission Source DB002) in Emission Unit U-00002. The combustion turbine firing natural gas as the primary fuel and light distillate oil as the secondary fuel. The combustion turbine unit vents through a stack, identified as Emission Point E0002, that is located in the COGENB area. This emission unit is equipped with a selective catalytic reduction - SCR (Emission Control SCR02) as an emission control.

Emission Source/Control: GT002 - Combustion
Design Capacity: 469 million BTUs per hour

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

Item 113.8:

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

Emission Unit: U-00002
Process: GT8 Source Classification Code: 2-02-002-03
Process Description:

Process GT8 is the firing of light distillate oil in one GE LM 6000 PC SPRINT combustion turbine/HRSG unit (Emission Source GT002) with no supplemental firing of the duct burner (Emission Source DB002) in Emission Unit U-00002. The combustion turbine firing natural gas as the primary fuel and light distillate oil as the secondary fuel. The combustion turbine unit vents through a stack, identified as Emission Point E0002, that is located in the COGENB area. This emission unit is equipped with a selective catalytic reduction - SCR (Emission Control SCR02) as an emission control.



Light distillate oil firing is limited to 4.8 million gallons per year per combustion turbine (Emission Source GT002).

Emission Source/Control: GT002 - Combustion
Design Capacity: 469 million BTUs per hour

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

Condition 114: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 114.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

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

Item 114.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day. When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments, emission data will be obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days.

Reference Test Method: Method 7, 7A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2016.

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

Condition 115: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021



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

Item 115.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

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

Item 115.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Established permit limits apply to all loads of operation, except during periods of start-up, malfunctions, shut-down, fuel switching and electrical feedline maintenance.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 116: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:40CFR 60.48c(a), NSPS Subpart Dc

Item 116.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Emission Point: E0001

Emission Unit: U-00002 Emission Point: E0002

Item 116.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 CFR 60.7 of this part. This notification shall include:



(1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.

(2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR 60.42c., or 40 CFR 60.43c.

(3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 117: CEMS

Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:40CFR 60.334(b), NSPS Subpart GG

Item 117.1:

This Condition applies to:

Emission Unit: U00002 Emission Point: E0002

Item 117.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001

Item 117.2.3:

The owner or operator of any stationary gas turbine that commenced construction, reconstruction or modification after October 3, 1977, but before July 8, 2004, and which uses water or steam injection to control NOX emissions may, as an alternative to operating the continuous monitoring system described in paragraph (a) of this section, install, certify, maintain, operate, and quality-assure a continuous emission monitoring system (CEMS) consisting of NOX and O2 monitors. As an alternative, a CO2 monitor may be used to adjust the measured NOX concentrations to 15 percent O2 by either converting the CO2 hourly averages to equivalent O2 concentrations using Equation F-14a or F-14b in appendix F to 40 CFR Part 75 and making the adjustments to 15 percent O2, or by using the CO2 readings directly to make the adjustments, as described in Method 20. If the option to use a CEMS is chosen, the CEMS shall be installed, certified, maintained and operated as specified in 40 CFR 60.334(b)(1), (2) and (3).

Condition 118: Compliance Certification

Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR Subpart 227-1

Item 118.1:

The Compliance Certification activity will be performed for:

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Emission Unit: U-00001
Process: GT3

Emission Point: E0001

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

Item 118.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

To comply with the 0.10 lb/ MM BTU Particulates limit standard at Emission Point E0001, the heating value of the distillate fuel oil fired shall not fall below 120,000 BTUs per gallon.

Records shall be maintained at the facility for a minimum of five years.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: HEAT CONTENT

Lower Permit Limit: 120,000 British thermal units per gallon

Monitoring Frequency: PER DELIVERY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 119: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 119.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: GT3

Emission Point: E0001

Emission Unit: U-00001
Process: GT7

Emission Point: E0001

Emission Unit: U-00002
Process: GT4

Emission Point: E0002

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Emission Unit: U-00002
Process: GT8

Emission Point: E0002

Item 119.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

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

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

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: DAILY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 120: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR Subpart 227-1

Item 120.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: GT7

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

Item 120.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

To comply with the 0.1 lb/MM BTU Particulate limit standard at Emission Point E0001, the heating value of the distillate fuel oil fired shall not fall below 120,000 BTUs per gallon.

Records shall be maintained at the facility for a minimum of five years.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: HEAT CONTENT

Lower Permit Limit: 120,000 British thermal units per
gallon

Monitoring Frequency: PER DELIVERY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 121: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR 227-1.7

Item 121.1:

The Compliance Certification activity will be performed for:



Emission Unit: U-00001 Emission Point: E0001
Process: GT7

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

Item 121.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate Matter emission limit of 0.1 lb/MM
BTU.

KIAC is required to conduct the two-hour average emission of particulates from this stationary combustion installations only if the facility operates on the distillate oil (Processes GT3, GT4, GT7 & GT8) during the term of the permit.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.1 pounds per million Btus

Reference Test Method: METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 122: Compliance Certification

Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 122.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0002

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

Item 122.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day. When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments, emission data will be obtained by using standby monitoring systems, Method 7, Method 7A, or

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other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days.

Reference Test Method: Method 7, 7A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2016.

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

Condition 123: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 123.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: E0002

Regulated Contaminant(s):

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

Item 123.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Established permit limits apply to all loads of operation, except during periods of start-up, malfunctions, shut-down, fuel switching and electrical feedline maintenance.

Reference Test Method: PT 60 APPENDIX B & F

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 124: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR Subpart 227-1

Item 124.1:



The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0002
Process: GT4

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

Item 124.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

To comply with the 0.1 lb/MM BTU Particulate limit standard at Emission Point E0002, the heating value of the distillate fuel oil fired shall not fall below 120,000 BTUs per gallon.

Records shall be maintained at the facility for a minimum of five years.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: HEAT CONTENT

Lower Permit Limit: 120,000 British thermal units per gallon

Monitoring Frequency: PER DELIVERY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 125: Compliance Certification
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable Federal Requirement:6 NYCRR Subpart 227-1

Item 125.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0002
Process: GT8

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

Item 125.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 2-6308-00096/00009

Facility DEC ID: 2630800096



Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

To comply with the 0.1 lb/MM BTU Particulate limit standard at Emission Point E0002, the heating value of the distillate fuel oil fired shall not fall below 120,000 BTUs per gallon.

Records shall be maintained at the facility for a minimum of five years.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: HEAT CONTENT

Lower Permit Limit: 120,000 British thermal units per gallon

Monitoring Frequency: PER DELIVERY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

Subsequent reports are due every 12 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: 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 126: Contaminant List
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable State Requirement:ECL 19-0301

Item 126.1:
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: 0NY210-00-0
Name: OXIDES OF NITROGEN

**Condition 127: Malfunctions and start-up/shutdown activities
Effective between the dates of 03/01/2016 and 02/28/2021**

Applicable State Requirement:6 NYCRR 201-1.4

Item 127.1:

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



malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

Condition 128: Visible Emissions Limited
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable State Requirement:6 NYCRR 211.2

Item 128.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 129: Compliance Demonstration
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable State Requirement:6 NYCRR 227-1.4

Item 129.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 129.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any person subject to the provisions of this section shall record and maintain a file of such measurements and operating data, as may be required by the commissioner.

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 130: Compliance Demonstration
Effective between the dates of 03/01/2016 and 02/28/2021

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

Item 130.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 130.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Any person who owns a stationary installation (excluding gas turbines), with a total maximum heat input capacity



exceeding 250 million Btu per hour shall install, operate in accordance with manufacturer's instructions, and properly maintain, accurate instruments satisfying the criteria in appendix B of title 40, part 60 of the Code of Federal Regulations, or approved by the commissioner on an individual case basis, for continuously monitoring and recording opacity, and when sulfur dioxide continuous monitoring is required by Part 225 of this Title, for continuously monitoring and recording either the percent oxygen or carbon dioxide in the flue gases from such installations at all times that the combustion installation is in service. Where gas is the only fuel burned, monitoring and recording of opacity is not required.

Manufacturer Name/Model Number: COMS
Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: 40 CFR 60 Appendix B
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 131: Compliance Demonstration
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable State Requirement: 6 NYCRR 231-1.4

Item 131.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 131.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) The emissions from any air contamination source project subject to this Subpart must meet the lowest achievable emission rate as defined in Part 200 of this Title.

(b) Any source owner subject to this Subpart must submit information to establish that the lowest achievable emission rate will be applied when an application is submitted for a permit to construct.

Reference Test Method: KEEP RECORDS
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 132: Compliance Demonstration
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable State Requirement:6 NYCRR 231-1.6

Item 132.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 132.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (a) An application for a permit to construct for an air contamination source project applicable to this Subpart must include an air quality impact evaluation.
- (b) If the air contamination source project includes proposed emissions of particulates, sulfur dioxide, carbon monoxide and/or nitrogen oxides which exceed the DE MINIMIS emission limits shown in section 231-1.9 of this Subpart, the air quality impact evaluation must show that the combined impact of the proposed new emissions and the emission offsets will not exceed the significant impacts shown in section 231-1.10 of this Subpart.
- (c) The applicant for a permit to construct an air contamination source project applicable to this Subpart must conduct the air quality impact evaluation, and prepare a report in accordance with procedures acceptable to the commissioner.

Reference Test Method: Keep Records of Fuel

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 133: CO2 Budget Trading Program - Excess emission requirements
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable State Requirement:6 NYCRR 242-1.5

Item 133.1:

The owners and operators of a CO2 budget source that has excess emissions in any control period shall:

- (1) forfeit the CO2 allowances required for deduction under 6 NYCRR Part 242-6.5(d)(1), provided CO2 offset allowances may not be used to cover any part of such excess emissions; and
- (2) pay any fine, penalty, or assessment or comply with any other remedy imposed under 6 NYCRR Part 242-6.5(d)(2).



Condition 134: Compliance Demonstration
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable State Requirement: 6 NYCRR 242-1.5

Item 134.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 134.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owners and operators and, to the extent applicable, the CO₂ authorized account representative of each CO₂ budget source and each CO₂ budget unit at the source shall comply with the monitoring requirements of Subpart 242-8. The emissions measurements recorded and reported in accordance with Subpart 242-8 of this Part shall be used to determine compliance by the unit with the following CO₂ requirements:

- (1) The owners and operators of each CO₂ budget source and each CO₂ budget unit at the source shall hold CO₂ allowances available for compliance deductions under Section 242-6.5, as of the CO₂ allowance transfer deadline, in the source's compliance account in an amount not less than the total CO₂ emissions for the control period from all CO₂ budget units at the source, as determined in accordance with Subparts 242-6 and 242-8.
- (2) Each ton of CO₂ emitted in excess of the CO₂ budget emissions limitation shall constitute a separate violation of this Part and applicable state law.
- (3) A CO₂ budget unit shall be subject to the requirements specified in item 1 starting on the later, of January 1, 2009 or the date on which the unit commences operation.
- (4) CO₂ allowances shall be held in, deducted from, or transferred among CO₂ Allowance Tracking System accounts in accordance with Subparts 242-5, 242-6, and 242-7, and Section 242-10.7.
- (5) A CO₂ allowance shall not be deducted, in order to comply with the requirements specified in item 1, for a control period that ends prior to the allocation year for which the CO₂ allowance was allocated. A CO₂ offset allowance shall not be deducted, in order to comply with the requirements under item 1, beyond the applicable



percent limitations set out in 6NYCRR Part 242-6.5(a)(3).

(6) A CO₂ allowance under the CO₂ Budget Trading Program is a limited authorization by the Department or a participating state to emit one ton of CO₂ in accordance with the CO₂ Budget Trading Program. No provision of the CO₂ Budget Trading Program, the CO₂ budget permit application, or the CO₂ budget permit or any provision of law shall be construed to limit the authority of the Department or a participating state to terminate or limit such authorization.

(7) A CO₂ allowance under the CO₂ Budget Trading Program does not constitute a property right.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 135: Compliance Demonstration
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable State Requirement:6 NYCRR 242-1.5

Item 135.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 135.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owners and operators of the CO₂ budget source and each CO₂ budget unit at the source shall keep on site at the source each of the following documents for a period of 10 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 10 years, in writing by the department.

(i) The account certificate of representation for the CO₂ authorized account representative for the source and each CO₂ budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with 6 NYCRR Part 242-2.4, provided that the certificate and documents shall be retained on site at the source beyond such 10-year period until such documents are superseded because of the submission of a new account certificate of



representation.

(ii) All emissions monitoring information, in accordance with Subpart 242-8 and 40 CFR 75.57.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CO2 Budget Trading Program.

(iv) Copies of all documents used to complete a CO2 budget permit application and any other submission under the CO2 Budget Trading Program or to demonstrate compliance with the requirements of the CO2 Budget Trading Program.

The CO2 authorized account representative of a CO2 budget source and each CO2 budget unit at the source shall submit the reports and compliance certifications required under the CO2 Budget Trading Program, including those under Subpart 242-4.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 136: Compliance Demonstration
Effective between the dates of 03/01/2016 and 02/28/2021

Applicable State Requirement:6 NYCRR 242-8.5

Item 136.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 136.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

6 NYCRR Part 242-8.5 Recordkeeping and Reporting:

(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

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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 4/30/2016.

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

