PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6308-00096/00009
Effective Date: 08/12/2010 Expiration Date: 08/11/2015

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

Contact: JASON M GOODWIN
CALPINE CORPORATION
717 TEXAS AVE STE 1000
HOUSTON, TX 77002
(713) 570-4795

Facility: KIAC COGENERATION PLANT-JFK AIRPORT
JFK AIRPORT BLDG 49
JAMAICA, NY 11430

Contact: MICHAEL O'BRIEN
KIAC COGENERATION PLANT
JFK 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 1)

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). The renewal permit covers the upgrades of the two combustion turbines from LM 6000 PA to LM 6000 PC Sprint units. 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 (0.2% sulfur) 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 NOx control and Selective Catalytic Reduction (SCR) as the secondary NOx control system, for both residual combustion turbine NOx and duct burner NOx reduction. The SCR catalyst as the dual function of CO oxidation to CO2 and NOx reduction to N2 and H2O. The KIAC Cogeneration facility operates and maintains Continuous Emission Monitors (CEM) and continuous data recorder NOx, 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: 00001 and EP: 00002). 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 NOx 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. 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. Coen Lo NOx Lo CO controls and ammonia injectors (emission control 00SCR) as the emission control. Light distillate oil 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 (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 firing is limited to 4.8 million gal/yr per combustion turbine.

In addition to renewing the current Title V Permit, this permit is a major modification for an existing cogeneration facility to place the applicable Clean Air Interstate Rule (CAIR) rules in KIAC's Title V permit. The permit includes conditions recently promulgated under regulations 6 NYCRR Parts 242, 243, 244, and 245. These regulations require facilities to obtain/possess at least as many allocations of carbon dioxide (CO2), sulfur dioxide (SO2) and oxides of nitrogen (NOx) as they emit into 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 Department developed these regulations in response to the United States Environmental Protection Agencies (EPA's) recent Clean Air Interstate Rule (CAIR). The regulations are included in New York's State Implementation Plan (SIP) which has been approved by EPA as required by the Clean Air Act of 1990.

The permit conditions for the following regulations are added to the permit

modification:

1. CAIR NOx Ozone Season Trading Program, 6 NYCRR 243, which replaces Part 204 in the year 2009 and reduces the state-wide ozone-season NOX allocation by 335 in the year 2015 compared with the current Part 204 allocation.

2. CAIR NOx Annual Trading Program, 6 NYCRR Part 244, which replaced the combined Part 237 and Part 204 programs in the year 2009, and reduces the state-wide annual NOx allocation by 53% in the year 2015 compared to the current combined Part 204 and Part 237 allocations.

3. CAIR SO2 Trading Program, 6 NYCRR Part 245, which, replaces Part 238 in the year 2010 and reduces the state-wide annual sulfur dioxide allocation by 28% in the year 2015 compared to the current Part 238 allocation.

The above three permit conditions include emission monitoring, record keeping, reporting and certification requirements.

4. This project also includes the addition of Part 242, CO2 Budget Trading Program, 6 NYCRR 242, which is the RGGI (Regional Greenhouse Gas Initiative) regulation. 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 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(a), fuel composition and use - sulfur limitations, which restricts the sulfur content of fuel oil utilized throughout the facility to 0.20% by weight or less and to the record keeping of fuel analysis, 6NYCRR 225-1.8. The facility has to comply with 6NYCRR 227-1.2(a)(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. Finally, the facility is subject to the Clean Air interstate Rule (CAIR) under regulations 6 NYCRR Parts 242, 243, 244 and 245. The CAIR NOx Ozone Season Trading Program, Regulation 6 NYCRR 243 requires KIAC to reduce the state-wide ozone-season NOx allocation by 335 in the year 2015. CAIR NOx Annual Trading Program, Regulation 6 NYCRR 244 requires KIAC to reduce the state-wide ozone-season NOx allocation by 53% in the year 2015. CAIR SO2 Trading Program, Regulation 6 NYCRR 245, reduces the state-wide annual sulfur dioxide allocation by 28% in the year 2015. These CAIR regulations and conditions require KIAC to obtain/possess at least as many allocations of carbon dioxide (CO2), sulfur dioxide (SO2) and oxides of nitrogen (NOx) as it emits into the atmosphere during a specified period of time.

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 NOx 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: JOHN F CRYAN
NYSDEC
47-40 21ST ST
LONG ISLAND CITY, NY 11101-5407

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

Item 3.2:
The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:
Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be

submitted prior to actual transfer of ownership.

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

Item 4.1:
The Department reserves the right to 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

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: KIAC COGENERATION PLANT-JFK AIRPORT
JFK AIRPORT BLDG 49
JAMAICA, NY 11430

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

Permit Effective Date: 08/12/2010 Permit Expiration Date: 08/11/2015

LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS
Facility Level

1 6 NYCRR 200.6: Acceptable Ambient Air Quality
2 6 NYCRR 201-6.5 (a) (7): Fees
3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
6 6 NYCRR 201-6.5 (e): Compliance Certification
7 6 NYCRR 202-2.1: Compliance Certification
8 6 NYCRR 202-2.5: Recordkeeping requirements
9 6 NYCRR Part 215: Open Fires Prohibited at Industrial and Commercial Sites
10 6 NYCRR 215.2: Open Fires - Prohibitions
11 6 NYCRR 200.7: Maintenance of Equipment
12 6 NYCRR 201-1.7: Recycling and Salvage
13 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
14 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
15 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
16 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
17 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
18 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
19 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
20 6 NYCRR 202-1.1: Required Emissions Tests
21 6 NYCRR 211.3: Visible Emissions Limited
22 40 CFR Part 68: Accidental release provisions.
23 40CFR 82, Subpart F: Recycling and Emissions Reduction
24 6 NYCRR 201-1.3: Compliance Certification
25 6 NYCRR Subpart 201-6: Emission Unit Definition
26 6 NYCRR 201-6.5 (g): Non Applicable requirements
27 6 NYCRR Subpart 201-7: Facility Permissible Emissions
*28 6 NYCRR Subpart 201-7: Capping Monitoring Condition
29 6 NYCRR 202-1.5: Prohibitions
30 6 NYCRR Subpart 202-2: Compliance Certification
31 6 NYCRR Part 207: Submittal of Episode Action Plans
32 6 NYCRR Subpart 227-1: Compliance Certification
33 6 NYCRR 227-1.3 (a): Compliance Certification
34 6 NYCRR 227-1.4 (c): Compliance Certification
35 6 NYCRR 227-1.7: Compliance Certification
36 6 NYCRR 227-2.6: Compliance Certification
37 6 NYCRR 227-2.6 (b): Compliance Certification
38 6 NYCRR 231-2.7 (b): Compliance Certification
39 6 NYCRR 243-1.6 (a): Permit Requirements
40 6 NYCRR 243-1.6 (b): Monitoring requirements
41 6 NYCRR 243-1.6 (c): NOx Ozone Season Emission Requirements
42 6 NYCRR 243-1.6 (d): Excess emission requirements

43 6 NYCRR 243-1.6 (e): Recordkeeping and reporting requirements
44 6 NYCRR 243-2.1: Authorization and responsibilities of CAIR designated representative
45 6 NYCRR 243-2.4: Certificate of representation
46 6 NYCRR 243-8.1: General requirements
47 6 NYCRR 243-8.1: Prohibitions
48 6 NYCRR 243-8.3: Out of control periods
49 6 NYCRR 243-8.5 (d): Quarterly reports
50 6 NYCRR 243-8.5 (e): Compliance certification
51 6 NYCRR Subpart 244-1: CAIR NOx Annual Trading Program General Conditions
52 6 NYCRR Subpart 244-2: Designated CAIR Representative
53 6 NYCRR Subpart 244-8: Compliance Certification
54 6 NYCRR Subpart 245-1: CAIR SO2 Trading Program General Provisions
55 6 NYCRR Subpart 245-2: Designated CAIR Representative
56 6 NYCRR Subpart 245-8: Compliance Certification
57 40CFR 52.21(j), Subpart A: Compliance Certification
58 40CFR 52.21(j), Subpart A: Compliance Certification
59 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
60 40CFR 60.7(a), NSPS Subpart A: Modification Notification
61 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
62 40CFR 60.7(d), NSPS Subpart A: Excess emissions report.
63 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
64 40CFR 60.9, NSPS Subpart A: Availability of information.
65 40CFR 60.11, NSPS Subpart A: Compliance Certification
66 40CFR 60.12, NSPS Subpart A: Circumvention.
67 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
68 40CFR 60.14, NSPS Subpart A: Modifications.
69 40CFR 60.15, NSPS Subpart A: Reconstruction
70 40CFR 60.47b, NSPS Subpart Db: Compliance Certification
71 40CFR 60.48b, NSPS Subpart Db: Compliance Certification
72 40CFR 60.334(h)(1), NSPS Subpart GG: Compliance Certification
73 40CFR 60.334(h)(3), NSPS Subpart GG: Compliance Certification
74 40CFR 60.334(h)(4), NSPS Subpart GG: Compliance Certification
75 40CFR 75.20, Subpart C: Compliance Certification

Emission Unit Level

76 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
77 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=U-00001,EP=E0001

78 6 NYCRR 227-1.4 (d): Compliance Certification
79 6 NYCRR 227.2 (b) (1): 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 60.7, NSPS Subpart A: Compliance Certification
86 40CFR 60.8, NSPS Subpart A: Compliance Certification
87 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Certification
88 40CFR 60.334, NSPS Subpart GG: Compliance Certification

89 40CFR 60.334(a), NSPS Subpart GG: Compliance Certification
90 40CFR 60.334(b), NSPS Subpart GG: CEMS

EU=U-00001,EP=E0001,Proc=GT1,ES=DB001

91 6 NYCRR 231-2.7 (b): Compliance Certification
92 6 NYCRR 231-2.7 (b): Compliance Certification
93 6 NYCRR 231-2.7 (b): Compliance Certification
94 6 NYCRR 231-2.7 (b): Compliance Certification
95 40CFR 52.21(j), Subpart A: Compliance Certification
96 40CFR 52.21(j), Subpart A: Compliance Certification
97 40CFR 52.21(j), Subpart A: Compliance Certification
98 40CFR 52.21(j), Subpart A: Compliance Certification

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

99 6 NYCRR Subpart 227-1: Compliance Certification
100 6 NYCRR Subpart 227-1: Compliance Certification
101 6 NYCRR 227-1.3: Compliance Certification
102 6 NYCRR 227-1.3 (a): Compliance Certification

EU=U-00001,EP=E0001,Proc=GT3,ES=DB001

103 6 NYCRR 231-2.7 (b): Compliance Certification
104 6 NYCRR 231-2.7 (b): Compliance Certification
105 6 NYCRR 231-2.7 (b): Compliance Certification
106 6 NYCRR 231-2.7 (b): Compliance Certification
107 40CFR 52.21(j), Subpart A: Compliance Certification
108 40CFR 52.21(j), Subpart A: Compliance Certification
109 40CFR 52.21(j), Subpart A: Compliance Certification
110 40CFR 52.21(j), Subpart A: Compliance Certification

EU=U-00001,EP=E0001,Proc=GT5,ES=GT001

111 6 NYCRR 231-2.7 (b): Compliance Certification
112 6 NYCRR 231-2.7 (b): Compliance Certification
113 6 NYCRR 231-2.7 (b): Compliance Certification
114 6 NYCRR 231-2.7 (b): Compliance Certification
115 40CFR 52.21(j), Subpart A: Compliance Certification
116 40CFR 52.21(j), Subpart A: Compliance Certification

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

117 6 NYCRR Subpart 227-1: Compliance Certification
118 6 NYCRR Subpart 227-1: Compliance Certification
119 6 NYCRR 227-1.3: Compliance Certification
120 6 NYCRR 227-1.3 (a): Compliance Certification
121 6 NYCRR 227-1.7: Compliance Certification
122 6 NYCRR 227-1.7: Compliance Certification

EU=U-00001,EP=E0001,Proc=GT7,ES=GT001

123 6 NYCRR 231-2.7 (b): Compliance Certification
124 6 NYCRR 231-2.7 (b): Compliance Certification
125 6 NYCRR 231-2.7 (b): Compliance Certification
126 6 NYCRR 231-2.7 (b): Compliance Certification
127 40CFR 52.21(j), Subpart A: Compliance Certification
128 40CFR 52.21(j), Subpart A: Compliance Certification

129 40CFR 60.47b, NSPS Subpart Db: Compliance Certification

EU=U-00002,EP=E0002

130 6 NYCRR 227-1.4 (d): Compliance Certification
131 6 NYCRR 227.2 (b) (1): Compliance Certification
132 40CFR 52.21(j), Subpart A: Compliance Certification
133 40CFR 52.21(j), Subpart A: Compliance Certification
134 40CFR 52.21(j), Subpart A: Compliance Certification
135 40CFR 52.21(j), Subpart A: Compliance Certification
136 40CFR 60.7, NSPS Subpart A: Compliance Certification
137 40CFR 60.8, NSPS Subpart A: Compliance Certification
138 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Certification
139 40CFR 60.334, NSPS Subpart GG: Compliance Certification
140 40CFR 60.334(a), NSPS Subpart GG: Compliance Certification
141 40CFR 60.334(b), NSPS Subpart GG: CEMS

EU=U-00002,EP=E0002,Proc=GT2,ES=DB002
142 6 NYCRR 231-2.7 (b): Compliance Certification
143 6 NYCRR 231-2.7 (b): Compliance Certification
144 6 NYCRR 231-2.7 (b): Compliance Certification
145 6 NYCRR 231-2.7 (b): Compliance Certification
146 40CFR 52.21(j), Subpart A: Compliance Certification
147 40CFR 52.21(j), Subpart A: Compliance Certification
148 40CFR 52.21(j), Subpart A: Compliance Certification
149 40CFR 52.21(j), Subpart A: Compliance Certification

EU=U-00002,EP=E0002,Proc=GT4
150 6 NYCRR Subpart 227-1: Compliance Certification
151 6 NYCRR Subpart 227-1: Compliance Certification
152 6 NYCRR 227-1.3: Compliance Certification
153 6 NYCRR 227-1.3 (a): Compliance Certification

EU=U-00002,EP=E0002,Proc=GT4,ES=DB002
154 6 NYCRR 231-2.7 (b): Compliance Certification
155 6 NYCRR 231-2.7 (b): Compliance Certification
156 6 NYCRR 231-2.7 (b): Compliance Certification
157 6 NYCRR 231-2.7 (b): Compliance Certification
158 40CFR 52.21(j), Subpart A: Compliance Certification
159 40CFR 52.21(j), Subpart A: Compliance Certification
160 40CFR 52.21(j), Subpart A: Compliance Certification
161 40CFR 52.21(j), Subpart A: Compliance Certification

EU=U-00002,EP=E0002,Proc=GT6,ES=GT002
162 6 NYCRR 231-2.7 (b): Compliance Certification
163 6 NYCRR 231-2.7 (b): Compliance Certification
164 6 NYCRR 231-2.7 (b): Compliance Certification
165 6 NYCRR 231-2.7 (b): Compliance Certification
166 40CFR 52.21(j), Subpart A: Compliance Certification
167 40CFR 52.21(j), Subpart A: Compliance Certification

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

168 6 NYCRR Subpart 227-1: Compliance Certification
169 6 NYCRR Subpart 227-1: Compliance Certification
170 6 NYCRR 227-1.3: Compliance Certification
171 6 NYCRR 227-1.3 (a): Compliance Certification

EU=U-00002,EP=E0002,Proc=GT8,ES=GT002
172 6 NYCRR 231-2.7 (b): Compliance Certification
173 6 NYCRR 231-2.7 (b): Compliance Certification
174 6 NYCRR 231-2.7 (b): Compliance Certification
175 6 NYCRR 231-2.7 (b): Compliance Certification
176 40CFR 52.21(j), Subpart A: Compliance Certification
177 40CFR 52.21(j), Subpart A: Compliance Certification
178 40CFR 52.21(j), Subpart A: Compliance Certification
179 40CFR 60.47b, NSPS Subpart Db: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS
Facility Level
180 ECL 19-0301: Contaminant List
181 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
182 6 NYCRR 201-5.3 (b): Compliance Demonstration
183 6 NYCRR 211.2: Air pollution prohibited
184 6 NYCRR 227-1.4 (a): Compliance Demonstration
185 6 NYCRR 227-2.5: Compliance Demonstration
186 6 NYCRR 231-1.4: Compliance Demonstration
187 6 NYCRR 231-1.6: Compliance Demonstration
188 6 NYCRR 242-1.5: CO2 Budget Trading Program - Excess emission requirements
189 6 NYCRR 242-1.5: Compliance Demonstration
190 6 NYCRR 242-1.5: Compliance Demonstration
Emission Unit Level

EU=U-00001,EP=E0001,Proc=GT1,ES=DB001
191 6 NYCRR 227-2.4 (e) (2): Compliance Demonstration

EU=U-00001,EP=E0001,Proc=GT3,ES=DB001
192 6 NYCRR 212.9 (b): Compliance Demonstration
193 6 NYCRR 227-2.4 (e) (2): Compliance Demonstration

EU=U-00001,EP=E0001,Proc=GT3,ES=GT001
194 6 NYCRR 212.9 (b): Compliance Demonstration

EU=U-00001,EP=E0001,Proc=GT5,ES=GT001
195 6 NYCRR 227-2.4 (e) (2): Compliance Demonstration

EU=U-00001,EP=E0001,Proc=GT7,ES=GT001
196 6 NYCRR 212.9 (b): Compliance Demonstration
197 6 NYCRR 227-2.4 (e) (2): Compliance Demonstration

EU=U-00002,EP=E0002,Proc=GT2,ES=DB002
198 6 NYCRR 227-2.4 (e) (2): Compliance Demonstration

EU=U-00002,EP=E0002,Proc=GT4,ES=DB002

199 6 NYCRR 212.9 (b): Compliance Demonstration
200 6 NYCRR 227-2.4 (e) (2): Compliance Demonstration

EU=U-00002,EP=E0002,Proc=GT4,ES=GT002
201 6 NYCRR 212.9 (b): Compliance Demonstration

EU=U-00002,EP=E0002,Proc=GT6,ES=GT002
202 6 NYCRR 227-2.4 (e) (2): Compliance Demonstration

EU=U-00002,EP=E0002,Proc=GT8,ES=GT002
203 6 NYCRR 212.9 (b): Compliance Demonstration
204 6 NYCRR 227-2.4 (e) (2): 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 constitutes an affirmative defense to an action brought 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 and/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;
(3) During the period of the emergency the facility owner and/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 and/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 and/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 201-6.3 (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 201-6.3 (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 201-6.5 (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 201-6.5 (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 201-6.5 (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 201-6.5 (a) (6)**

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

Item I: **Severability - 6 NYCRR 201-6.5 (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 201-6.5 (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 201-6.5 (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 08/12/2010 and 08/11/2015

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 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (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 72-0302.

Condition 3: **Recordkeeping and reporting of compliance monitoring**
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (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 201-6.3 of this Part 201.

Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (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 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (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 60 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 201-6.3(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 shall be submitted to the Administrator (or his or her representative) as well as two copies 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). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 3/1/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 6: **Compliance Certification**
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (e)

Item 6.1:
The Compliance Certification activity will be performed for the Facility.

Item 6.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

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

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

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

iv. All compliance certifications shall be submitted to

the Administrator (or his or her representative) as well as two copies 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). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101-5407

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2011.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:
The Compliance Certification activity will be performed for the Facility.

Item 7.2:
Compliance Certification shall include the following monitoring:

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

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

Condition 8: Recordkeeping requirements
Effective between the dates of 08/12/2010 and 08/11/2015

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 Prohibited at Industrial and Commercial Sites
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Part 215

Item 9.1:
No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, refuse, rubbish for salvage, or rubbish generated by industrial or commercial activities.

Condition 10: Open Fires - Prohibitions
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 215.2

Item 10.1:
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 10.2
Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:
(a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
(b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
(c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.

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

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

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 11: Maintenance of Equipment
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 200.7

Item 11.1:
Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Condition 12: Recycling and Salvage
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 12.1:
Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 13: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 13.1:
No person shall unnecessarily remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Condition 14: Exempt Sources - Proof of Eligibility
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 14.1:
The owner and/or operator of an emission source or unit that is eligible to be exempt may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source 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 which contains emission sources or units subject to 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.

Condition 15: Trivial Sources - Proof of Eligibility
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 15.1:
The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source 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 which contains emission sources or units subject to 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.

Condition 16: Standard Requirement - Provide Information

Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (4)

Item 16.1:
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 17: General Condition - Right to Inspect
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (8)

Item 17.1:
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 18: Standard Requirements - Progress Reports
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (d) (5)

Item 18.1:
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 19: Off Permit Changes
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (f) (6)

Item 19.1:
No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

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

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

Condition 20: Required Emissions Tests
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 20.1:
For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 21: Visible Emissions Limited
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 211.3

Item 21.1:
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 22: Accidental release provisions.
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:40 CFR Part 68

Item 22.1:
If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

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

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

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

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

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

Condition 23: Recycling and Emissions Reduction
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:40CFR 82, Subpart F

Item 23.1:
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 24: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 201-1.3

Item 24.1:
The Compliance Certification activity will be performed for the Facility.

Item 24.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
A Title V facility permit, State facility permit, general permit or registration certificate is valid only for the

emission unit(s), owner and/or operator, facility, mode of operation and special conditions stated in the application, permit or registration. The owner and/or operator can transfer the permit or registration certificate to a new owner and/or operator if the mode of operation and emissions do not change. Permit transfers are subject to the procedures established under Part 621 of this Title.

Reference Test Method: KEEP RECORDS
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 25: Emission Unit Definition
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 25.1:
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 & GT3) as a primary fuel and light distillate oil (Processes GT5 & GT7) as a secondary backup 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.

Building(s): COGENB

Item 25.2:
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 & GT4) as a primary fuel and light distillate oil (Processes GT6 & GT8) as a secondary backup 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.

Building(s): COGENB

Condition 26: Non Applicable requirements
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (g)

Item 26.1:
This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

40 CFR Part 68
Emission Unit: U00002 Emission Point: E0002
Reason: The 20,000 gallon ammonia storage tank is not subject to 40 CFR 68 requirements because the ammonia concentration is below the 20% solution applicability criteria.

40 CFR Part 68
Emission Unit: U00001 Emission Point: E0001
Reason: The 20,000 gallon ammonia storage tank is not subject to 40 CFR 68 requirements because the ammonia concentration is below the 20% solution applicability criteria.

40 CFR Part 82
Emission Unit: U00001 Emission Point: E0001
Reason: The Cogeneration facility is not subject to 49 CFR Part 82 requirements based on the fact that they do not have a commercial refrigeration equipment which contains more that 50 pounds of listed refrigerate.

40 CFR Part 82
Emission Unit: U00002 Emission Point: E0002
Reason: The Cogeneration facility is not subject to 49 CFR Part 82 requirements based on the fact that they do not have a commercial refrigeration equipment which contains more that 50 pounds of listed refrigerate.

Condition 27: Facility Permissible Emissions
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 27.1:
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 Name: CARBON MONOXIDE	PTE:	106,270	pounds per year
CAS No: 0NY210-00-0 Name: OXIDES OF NITROGEN	PTE:	360,329	pounds per year

Condition 28: Capping Monitoring Condition
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 28.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR 52.21 (j)

Item 28.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 28.3:
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 28.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 28.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 28.6:
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: 000630-08-0	CARBON MONOXIDE
CAS No: 0NY210-00-0	OXIDES OF NITROGEN

Item 28.7:
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: Part 60, Appendix B & F
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 7/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 29: Prohibitions
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 202-1.5

Item 29.1:
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 30: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 202-2

Item 30.1:
The Compliance Certification activity will be performed for the Facility.

Item 30.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
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	Threshold (tons/year)
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 7/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 31: Submittal of Episode Action Plans
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Part 207

Item 31.1:
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 32: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 227-1

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: 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 32.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
EPA Reference Method 9 will be used to ensure compliance

with opacity standards when firing light distillate oil.

Reference Test Method: EPA Method 9
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 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 33: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 33.1:
The Compliance Certification activity will be performed for the Facility.

Item 33.2:
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 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 34: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 34.1:
The Compliance Certification activity will be performed for the Facility.

Item 34.2:
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 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 35: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 227-1.7

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: 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

Item 35.2:
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 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 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 36: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 227-2.6

Item 36.1:
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-00001 Emission Point: E0001
Process: GT5 Emission Source: GT001

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

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

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

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

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

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

Item 36.2:
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 7/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 37: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 37.1:
The Compliance Certification activity will be performed for the Facility.

Item 37.2:
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 6NYCRR Part 227-2.6(b).

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

This facility is subject to the applicable requirements of this subdivision: specifically paragraphs 227-2.6(b)(3) and 227-2.6(b)(4). The facility shall submit a quarterly written CEMS report for every calendar quarter. All quarterly reports shall be post marked by the 30th day following the end of each calendar quarter. These quarterly audit reports shall follow the guidance provided by the Department (Air Guide 34) and 40 CFR Part 60 Appendix F.

Reference Test Method: 40 CFR Part 60 Appendix F
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 38: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 231-2.7 (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: 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 38.2:
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% load except during periods of start-up, shut-down, fuel switching, or malfunction (not to exceed 3 hrs/occurrence) and during periods of annual electrical feed line maintenance (not to exceed 24 hrs/yr) when firing distillate fuel oil.

Manufacturer Name/Model Number: GE MODEL LM6000
Parameter Monitored: INLET LOADING
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 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 39: Permit Requirements
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 39.1:
The CAIR designated representative of each CAIR NOx Ozone Season source shall:
(i) submit to the department a complete CAIR permit application under section 243-3.3 in accordance with the deadlines specified in section 243-3.2; and
(ii) submit in a timely manner any supplemental information that the department determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.

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

Condition 40: Monitoring requirements
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 40.1:
The emissions measurements recorded and reported in accordance with Subpart 243-8 shall be used to determine compliance by each CAIR NOx Ozone Season source with the CAIR NOx Ozone Season emissions limitation under subdivision (c) of this section.

Condition 41: NOx Ozone Season Emission Requirements
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 41.1:
As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NOx Ozone Season source and each CAIR NOx Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NOx Ozone Season allowances available for compliance deductions for the control period under section 243-6.5(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NOx Ozone Season units at the source, as determined in accordance with Subpart 243-8. The CAIR NOx ozone season is the period beginning May 1 of a calendar year, except as provided in section 243-1.6(c)(2), and ending on September 30 of the same year, inclusive.

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

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

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

A CAIR NOx Ozone Season allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NOx Ozone Season Trading Program. No provision of the CAIR NOx Ozone Season Trading Program, the CAIR permit application, the CAIR permit, or an exemption under section 243-1.5 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.

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

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

Condition 42: Excess emission requirements
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 42.1:
If a CAIR NOx Ozone Season source emits nitrogen oxides during any control period in excess of the CAIR NOx Ozone Season emissions limitation, then:

(1) the owners and operators of the source and each CAIR NOx Ozone Season unit at the source shall surrender the CAIR NOx Ozone Season allowances required for deduction under section 243-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law; and

(2) each ton of such excess emissions and each day of such control period shall constitute a separate violation of this Subpart, the Act, and applicable State law.

Condition 43: Recordkeeping and reporting requirements
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 43.1:
Unless otherwise provided, the owners and operators of the CAIR NOx Ozone Season source and each CAIR NOx Ozone Season unit at the source shall keep on site at the source each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time before the end of five years, in writing by the department or the Administrator.

(i) The certificate of representation under section 243-2.4 for the CAIR designated representative for the source and each CAIR NOx Ozone Season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such five-year period until such documents are superseded because of the submission of a new certificate of representation under section 243-2.4 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with Subpart 243-8, provided that to the extent that Subpart 243-8 provides for a three-year period for recordkeeping, the three-year period shall apply.

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

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

Condition 44: Authorization and responsibilities of CAIR designated representative
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 243-2.1

Item 44.1:
Except as provided under section 243-2.2, each CAIR NOx Ozone Season source, including all CAIR NOx Ozone Season units at the source, shall have one and only one CAIR designated representative, with regard to all matters under the CAIR NOx Ozone Season Trading Program concerning the source or any CAIR NOx Ozone Season unit at the source.

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

Upon receipt by the Administrator of a complete certificate of representation under section

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

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

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

Condition 45: Certificate of representation
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 243-2.4

Item 45.1:
Unless otherwise required by the department or the Administrator, documents of agreement referred to in the certificate of representation shall not be submitted to the department or the Administrator. Neither the department nor the Administrator shall be under any obligation to review or evaluate the sufficiency of such documents, if submitted.

Condition 46: General requirements
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 243-8.1

Item 46.1:
The owners and operators, and to the extent applicable, the CAIR designated representative, of a CAIR NOx Ozone Season unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in this Subpart and in Subpart H of 40 CFR Part 75. For purposes of complying with such requirements, the definitions in section 243-1.2 and in 40 CFR 72.2 shall apply, and the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be deemed to refer to the terms "CAIR NOx Ozone Season unit," "CAIR designated representative," and "continuous emission

monitoring system" (or "CEMS") respectively, as defined in section 243-1.2. The owner or operator of a unit that is not a CAIR NOx Ozone Season unit but that is monitored under 40 CFR 75.72(b)(2)(ii) shall comply with the same monitoring, recordkeeping, and reporting requirements as a CAIR NOx Ozone Season unit.

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

(1) install all monitoring systems required under this Subpart for monitoring NOx mass emissions and individual unit heat input (including all systems required to monitor NOx emission rate, NOx concentration, stack gas moisture content, stack gas flow rate, CO2 or O2 concentration, and fuel flow rate, as applicable, in accordance with 40 CFR 75.71 and 40 CFR 75.72);

(2) successfully complete all certification tests required under section 243-8.2 and meet all other requirements of this Subpart and 40 CFR Part 75 applicable to the monitoring systems under paragraph (a)(1) of this section; and

(3) record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section.

Condition 47: Prohibitions
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 243-8.1

Item 47.1:
No owner or operator of a CAIR NOx Ozone Season unit shall use any alternative monitoring system, alternative reference method, or any other alternative to any requirement of this Subpart without having obtained prior written approval in accordance with section 243-8.6.

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

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

No owner or operator of a CAIR NOx Ozone Season unit shall retire or permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved monitoring system under this Subpart, except under any one of the following circumstances:
(i) during the period that the unit is covered by an exemption under section 243-1.5 that is in effect;
(ii) the owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of this Subpart and 40 CFR Part 75, by the department for use at that unit that provides emission data for the same pollutant or

parameter as the retired or discontinued monitoring system; or
(iii) the CAIR designated representative submits notification of the date of certification testing of a replacement monitoring system for the retired or discontinued monitoring system in accordance with section 243-8.2(d)(3)(i).

Condition 48: Out of control periods
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 243-8.3

Item 48.1:
Whenever any monitoring system fails to meet the quality-assurance and quality-control requirements or data validation requirements of 40 CFR Part 75, data shall be substituted using the applicable missing data procedures in Subpart D or Subpart H of, or appendix D or appendix E to, 40 CFR Part 75.

Condition 49: Quarterly reports
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 49.1:
The CAIR designated representative shall submit quarterly reports, as follows:

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

(i) for a unit that commences commercial operation before July 1, 2007, the calendar quarter covering May 1, 2008 through June 30, 2008;

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

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

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

Condition 50: Compliance certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 50.1:
The CAIR designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

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

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

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

Condition 51: CAIR NOx Annual Trading Program General Conditions
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 244-1

Item 51.1:
1) As of midnight of March 1, or midnight of the first business day thereafter if March 1 is not a business day, the owners and operators shall hold, in their compliance account, Clean Air Interstate Rule (CAIR) NOx allowances available for compliance deductions for the previous control period (January 1 through December 31), in an amount not less than the total tons of nitrogen oxides emissions from all CAIR NOx units at the source during that control period. A CAIR NOx allowance shall not be deducted for a control period in a calendar year before the year for which the CAIR NOx allowance was allocated. [244-1.6(c)(1), 244-1.2(b)(5), 244-1.2(b)(36), 244-1.6(c)(3)]

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

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

applicable State law. [(244-1.6(d)]

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

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

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

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

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

Condition 52: Designated CAIR Representative
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 244-2

Item 52.1:
1) Each Clean Air Interstate Rule (CAIR) NOx source shall have one CAIR designated representative and may have one alternate representative, as per 6NYCRR Part 244-2.2, with regard to all matters under the CAIR NOx Annual Trading Program. The CAIR designated representative shall be selected by an agreement binding on the owners and operators of the source and act in accordance with the certification statement in 6NYCRR Part 244-2.4(a)(4)(iv). Upon receipt by the Administrator of a complete certificate of representation under 6NYCRR Part 244-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR NOx source represented in all matters pertaining to the CAIR NOx Annual Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source. [244-2.1(a), (b) & (c)]

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

imprisonment." [244-2.1(e)]

Condition 53: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 244-8

Item 53.1:
The Compliance Certification activity will be performed for the Facility.

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

Item 53.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Monitoring and Reporting NOX emissions

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

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

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

(4) For CAIR NOx units that are also subject to an Acid Rain emissions limitation or the CAIR NOx Ozone Season Trading Program, CAIR SO2 Trading Program, or the Mercury Reduction Program for Coal-Fired Electric Utility Steam Generating Units (6NYCRR Part 246), quarterly reports shall include the applicable data and information required

by Subparts F through I of 40 CFR Part 75 as applicable, in addition to the NOx mass emission data, heat input data, and other information required by this Subpart.

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

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

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

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

(7) Whenever the owner or operator makes a replacement, modification, or change in any certified continuous emission monitoring system under 6NYCRR Part 244-8.1(a)(1) that may significantly affect the ability of the system to accurately measure or record NOx mass emissions or heat input rate or to meet the quality-assurance and quality-control requirements of 40 CFR 75.21 or appendix B to 40 CFR Part 75, the owner or operator shall recertify the monitoring system in accordance with 40 CFR 75.20(b) . Furthermore, whenever the owner or operator makes a replacement, modification, or change to the flue gas handling system or the unit's operation that may significantly change the stack flow or concentration profile, the owner or operator shall recertify each continuous emission monitoring system whose accuracy is potentially affected by the change, in accordance with 40 CFR 75.20(b). Examples of changes to a continuous emission monitoring system that require recertification include

replacement of the analyzer, complete replacement of an existing continuous emission monitoring system, or change in location or orientation of the sampling probe or site. Any fuel flowmeter system, and any excepted NOx monitoring system under appendix E to 40 CFR part 75, under 6NYCRR Part 244-8.1(a)(1) are subject to the recertification requirements in 40 CFR 75.20(g)(6). [224-8.2(d)(2)

Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL TOTAL
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 54: CAIR SO2 Trading Program General Provisions
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 245-1

Item 54.1:
1) As of midnight of March 1, or midnight of the first business day thereafter (if March 1 is not a business day) for a control period, the owners and operators of each Clean Air Interstate Rule (CAIR) SO2 source shall hold, in the source's compliance account, a tonnage equivalent in CAIR SO2 allowances available for compliance deductions for the control period (January 1 through December 31) not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO2 units at the source. A CAIR SO2 allowance shall not be deducted, for compliance with the requirements under paragraph (2) of this section, for a control period in a calendar year before the year for which the CAIR SO2 allowance was allocated. [(245-1.2(b)(5), 245-1.6(c)(1), 245-1.2(b)(36), 245-1.6(c)(3)]

2) The owners and operators shall hold in their compliance account, CAIR SO allowances available for compliance deductions for the control period starting on the later of January 1, 2010 or the deadline for meeting a CAIR SO2 unit's monitor certification requirements under section 245-8.1(b)(1), (2), or (5) and for each control period thereafter. [245-1.6(c)(2)]

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

4) Unless otherwise provided, the owners and operators of the CAIR SO2 source shall keep on site at the source each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time before the end of five years, in writing by the department or the Administrator: [245-1.6(e)]
(i) The certificate of representation under 6NYCRR Part 245-2.4 for the CAIR designated representative for the source and all documents that demonstrate the truth of the statements in the

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

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

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

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

Condition 55: Designated CAIR Representative
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 245-2

Item 55.1:
1) Each CAIR SO2 source shall have one and only one CAIR designated representative and may have one alternate representative, as per 6NYCRR Part 245-2.2, with regard to all matters under the CAIR SO2 Trading Program. The CAIR designated representative of the CAIR SO2 source shall be selected by an agreement binding on the owners and operators of the source and all CAIR SO2 units at the source and shall act in accordance with the certification statement in 6NYCRR Part 245-2.4(a)(4)(iv). Upon receipt by the Administrator of a complete certificate of representation under 6NYCRR Part 245-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR SO2 source represented and each CAIR SO2 unit at the source in all matters pertaining to the CAIR SO2 Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source or unit. [245-2.1(a), (b) & (c)]

(2) Each submission under the CAIR SO2 Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR SO2 source on behalf of which the submission is made. Each such submission shall include the following certification statement by the CAIR designated representative: "I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment." [245-2.1(e)]

Condition 56: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 245-8

Item 56.1:
The Compliance Certification activity will be performed for the Facility.

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

Item 56.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Monitoring and Reporting SO2 emissions:

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

2)The owner or operator of each CAIR SO2 unit shall: [245-8.1(a)]
(i) install all monitoring systems required under this Subpart for monitoring SO2 mass emissions and individual unit heat input (including all systems required to monitor SO2 concentration, stack gas moisture content, stack gas flow rate, CO2 or O2 concentration, and fuel flow rate, as applicable, in accordance with 40 CFR 75.11 and 40 CFR 75.16);
(ii) successfully complete all certification tests required under Part 245-8.2 and meet all other requirements of this section and 40 CFR Part 75 applicable to the monitoring systems under this section; and
(iii) record, report, and quality-assure the data from the monitoring systems under paragraph of this section.

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

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

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

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

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

5) Whenever any monitoring system fails to meet the quality-assurance and quality-control requirements or data validation requirements of 40 CFR Part 75, data shall be substituted using the applicable missing data procedures in Subpart D of or appendix D to 40 CFR Part 75. [245-8.3(a)]

6) The CAIR designated representative shall comply with all recordkeeping and reporting requirements in section 245-8.3, the applicable recordkeeping and reporting requirements in Subparts F and G of 40 CFR Part 75, and the requirements of section 245-2.1(e)(1). [245-8.5(a)]

7) The owner or operator of a CAIR SO2 unit shall comply with requirements of 40 CFR 75.62 for monitoring plans. [245-8.5(b)]

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

9) The CAIR designated representative shall submit quarterly reports of the SO2 mass emissions data and heat input data for each CAIR SO2 unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with: [245-8.5(d)(1)]
i) the calendar quarter covering January 1, 2009 through March 31, 2009 for a unit that commences commercial operation before July 1, 2008; or
ii) for a unit that commences commercial operation on or after July 1, 2008, the calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under section 245-8.1(b), unless that quarter is the third or fourth quarter of 2008, in which case reporting shall commence in the quarter covering January 1, 2009 through March 31, 2009.

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

11) For CAIR SO2 units that are also subject to an Acid Rain emissions limitation or the CAIR NOX Annual Trading Program, CAIR NOX Ozone Season Trading Program, or the Mercury Reduction Program for Coal-Fired Electric Utility Steam Generating Units (6 NYCRR Part 246), quarterly reports shall include the applicable data and information required by Subparts F through I of 40 CFR Part 75 as applicable, in addition to the SO2 mass emission data, heat input data, and other information required by this Subpart. [245-8.5(d)(3)]

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

The certification shall state that: [245-8.5(e)]
i) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR Part 75, including the quality assurance procedures and specifications; and
ii) for a unit with add-on SO2 emission controls and for all hours where SO2 data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to 40 CFR Part 75 and the substitute data values do not systematically underestimate SO2 emissions.

Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL TOTAL
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 57: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 57.1:
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: 000630-08-0 CARBON MONOXIDE
CAS No: 007664-41-7 AMMONIA
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 57.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Stack Tests conducted in March 1995 fulfilled compliance demonstration requirements for stack emission limits (lb/hr, mmBTU/hr) for Nitrogen Oxides, Carbon Monoxide and Ammonia.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 58: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 58.1:
The Compliance Certification activity will be performed for the Facility.

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

Item 58.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Sulfur content of the light distillate fuel oil burned at the facility shall not exceed 0.173 percent by weight based on an annual rolling average. If less than the maximum amount (4.8 million gallons per year based on a daily rolling average) of light distillate fuel oil is fired, the annual rolling average may be adjusted by a method approved by the Department. However, the maximum sulfur content of the light distillate fuel oil shall not exceed 0.20 percent by weight as specified in Table 2 of 6 NYCRR Part 225-1.2(d).

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.173 percent by weight

Reference Test Method: ASTM D 1072-80
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 59: EPA Region 2 address.
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 59.1:
All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

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

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

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

Condition 60: Modification Notification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 60.1:
Any owner or operator subject to 40 CFR Part 60 shall furnish the Administrator and this office with the following information:

- 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 Part 60. The notice shall be post marked 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, productivity capability of the facility before and after the change, and the expected completion date of the change. The Administrator and/or this Department may request additional information regarding the change.

Condition 61: Recordkeeping requirements.

Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 61.1:
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 62: Excess emissions report.
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 62.1:
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 63: Facility files for subject sources.
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 63.1:
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 64: Availability of information.
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A

Item 64.1:
The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by 40 CFR Part 2.

Condition 65: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

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 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 65.2:
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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 66: Circumvention.
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 66.1:
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 67: Monitoring requirements.
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A

Item 67.1:
All continuous monitoring systems and devices shall be installed, calibrated, maintained, and operated in accordance with the requirements of section 60.13.

Condition 68: Modifications.
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 68.1:
Within 180 days of the completion of any physical or operational change (as defined in section 60.14), compliance with the applicable standards must be achieved.

Condition 69: Reconstruction
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:40CFR 60.15, NSPS Subpart A

Item 69.1:
The following shall be submitted to the Administrator prior to reconstruction (as defined in section 60.15):

1) a notice of intent to reconstruct 60 days prior to the action;

2) name and address of the owner or operator;

3) the location of the existing facility;

4) a brief description of the existing facility and the components to be replaced;

5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;

6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;

7) the estimated life of the facility after the replacements; and

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

Condition 70: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 70.1:
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: GT7	Emission Source: GT001
Emission Unit: U-00002	Emission Point: E0002
Process: GT4	Emission Source: DB002
Emission Unit: U-00002	Emission Point: E0002
Process: GT8	Emission Source: GT002

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

Item 70.2:
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.
Quarterly reports shall be submitted to the Administrator certifying that only very low sulfur oil was combusted in the affected facility during the preceding quarter.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 71: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 71.1:
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 71.2:
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 continous 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: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 72: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:40CFR 60.334(h)(1), NSPS Subpart GG

Item 72.1:
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: GT7	Emission Source: GT001
Emission Unit: U-00002	Emission Point: E0002
Process: GT4	Emission Source: DB002
Emission Unit: U-00002	Emission Point: E0002
Process: GT8	Emission Source: GT002

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

Item 72.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In accordance with the March 4, 1994 EPA Approved Custom Fuel Monitoring Schedule, the Sulfur content of the light distillate fuel used at the facility will be sampled once per 24-hour period during natural gas curtailment periods when firing on distillate fuel oil.

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: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 73: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 73.1:
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 73.2:
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 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 74: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:40CFR 60.334(h)(4), NSPS Subpart GG

Item 74.1:
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-00001 Emission Point: E0001
Process: GT5 Emission Source: GT001

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

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

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

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

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

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

Item 74.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
In accordance with the March 4, 1994 EPA Approved Custom Fuel Monitoring Schedule, the Nitrogen fuel monitoring requirement content for both natural gas & light distillate fuel oil has been eliminated.

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 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 75: Compliance Certification

Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:40CFR 75.20, Subpart C

Item 75.1:
The Compliance Certification activity will be performed for the Facility.

Item 75.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Acid Precipitation: 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 or continous opacity 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 or record the SO2 concentration, volumetric gas flow, SO2 mass emissions, NOx emission rate, CO2 concentration, or opacity, or to meet the requirements of appendix B of this 40 CFR 75, the owner or operator shall recertify the continous emission monitoring system, continuous opacity monitoring system, or component thereof according to the procedures in 40 CFR 75. Examples of changes which require recertification include: replacement of the analytical method, including the analyyzer; 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 or continuous opacity monitoring system.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Condition 76: Emission Point Definition By Emission Unit
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 76.1:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00001

Emission Point: E0001
Height (ft.): 110 Diameter (in.): 114
NYTMN (km.): 4500.333 NYTME (km.): 602.633 Building: COGENB

Item 76.2:
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.): 4500.333 NYTME (km.): 602.633 Building: COGENB

Condition 77: Process Definition By Emission Unit
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 77.1:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 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 77.2:
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 77.3:
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 77.4:
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 77.5:
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 77.6:
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).

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 77.7:
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 77.8:
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 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 E0002, 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: GT002 - Combustion
Design Capacity: 469 million BTUs per hour

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

Condition 78: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 78.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Item 78.2:
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 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 79: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 227.2 (b) (1)

Item 79.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

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

Item 79.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The two hour average emission of particulates from this stationary combustion installation shall not exceed 0.10 pounds per million Btu of heat input.

At the monitoring frequency stated below the facility shall perform the following:

1) Submit to the Department an acceptable protocol for the testing of particulate emissions in a manner that will determine compliance with the limit cited in this condition.

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 80: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 80.1:
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 80.2:
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: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 81: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 81.1:
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 81.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Each combustion turbine unit is limited to 4.8 million gallons of light distillate fuel oil use per year. This annual limit is based on a daily rolling average.

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: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 82: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 82.1:
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 82.2:
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 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 83: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 83.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

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

Item 83.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
All emission limits are based on heat inputs corresponding to the higher heating value (HHV) of the fuel burned.

Manufacturer Name/Model Number: GE MODEL LM6000
Parameter Monitored: HEAT CONTENT
Lower Permit Limit: 120,000 British thermal units per gallon
Reference Test Method: PT 60 APP A METHOD 5
Monitoring Frequency: PER DELIVERY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 84: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 84.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

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

Item 84.2:
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: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 85: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:40CFR 60.7, NSPS Subpart A

Item 85.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Item 85.2:
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

Continous Emission Monitoring (CEMS) in lieu of water-to-fuel monitoring in the gas turbine. Emission Unit 1-OGTDB is 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 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 86: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:40CFR 60.8, NSPS Subpart A

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

Emission Unit: U-00001 Emission Point: E0001

Item 86.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
This facility must perform the stack testing, required to demonstrate compliance with 6NYCRR 201-5.1(a)(3) according to the schedule in 40 CFR 60.8(a).

Reference Test Method: 40 CFR 60.8(a)
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 87: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 87.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Item 87.2:
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 88: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:40CFR 60.334, NSPS Subpart GG

Item 88.1:
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 88.2:
Compliance Certification shall include the following monitoring:

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

The owner or operator of any stationary gas turbine subject to the provisions of 40 CFR 60, Subpart GG that is using water injection to control NOx emissions shall install and operate a continuous monitoring system to monitor and record fuel consumption and the ratio of water to fuel fired in the turbine. This system shall be accurate to within +/- 5.0 percent and shall be approved by NYSDEC.

Parameter Monitored: WATER TO FUEL MASS RATIO
Lower Permit Limit: 0.282 pounds of water per pound of fuel
Reference Test Method: SEE MONITORING ABOVE
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 89: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 89.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Item 89.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The type and amount of fuel burned in the combustion turbine and duct burner must be monitored and recorded within an accuracy of +/- 5%.

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 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 90: CEMS
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 90.1:
This Condition applies to Emission Unit: U-00001 Emission Point: E0001

Item 90.2:
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 91: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 91.1:
The Compliance Certification activity will be performed for:

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

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

Item 91.2:
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) during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner, based on 1-hour average and the HHV of fuel. 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.

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 monitor the CO emission at the stack.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 5.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: PT 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 10/30/2010.

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

Condition 92: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 92.1:
The Compliance Certification activity will be performed for:

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

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

Item 92.2:
Compliance Certification shall include the following monitoring:

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

The NOx emissions are limited to 9.0 parts per million by volume (dry, corrected to 15% O2) during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner, based on 1-hour average and the HHV of fuel. 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.

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 monitor the NOx emission at the stack.

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: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 93: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 93.1:
The Compliance Certification activity will be performed for:

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

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

Item 93.2:
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 during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner, based on 1-hour average and the HHV of fuel. 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.

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 monitor the NOx emission at the stack.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 20.08 pounds per hour
Reference Test Method: Part 60, App 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 94: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 94.1:
The Compliance Certification activity will be performed for:

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

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

Item 94.2:
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 during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner, based on 1-hour average and the HHV of fuel. 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.

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 monitor the CO emission at the stack.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 8.00 pounds per hour
Reference Test Method: PT 60 APP 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 95: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

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

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

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

Item 95.2:
Compliance Certification shall include the following monitoring:

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

KIAC will control Ammonia emission 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) during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner, based on 1-hour average and the HHV of fuel. BACT is required. 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.

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.

Manufacturer Name/Model Number: HORIBA (CEMS)
Parameter Monitored: AMMONIA
Upper Permit Limit: 10.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 96: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 96.1:
The Compliance Certification activity will be performed for:

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

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

Item 96.2:
Compliance Certification shall include the following monitoring:

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

KIAC will control Ammonia emission 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 during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner, based on 1-hour average and the HHV of fuel. BACT is required. 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.

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.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: AMMONIA
Upper Permit Limit: 9.19 pounds per hour
Reference Test Method: PT 60 APP 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 97: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 97.1:
The Compliance Certification activity will be performed for:

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

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

Item 97.2:
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. 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. 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-NOx-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 98: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 98.1:
The Compliance Certification activity will be performed for:

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

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

Item 98.2:
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: PT 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 7/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 99: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 227-1

Item 99.1:
The Compliance Certification activity will be performed for:

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

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

Item 99.2:
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 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.

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 7/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 100: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 227-1

Item 100.1:
The Compliance Certification activity will be performed for:

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

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

Item 100.2:
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: 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 101: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 101.1:
The Compliance Certification activity will be performed for:

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

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

Item 101.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

EPA Reference Method 9 will be used to ensure compliance with opacity standards when firing light distillate oil.

Reference Test Method: EPA Method 9
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 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 102: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 102.1:
The Compliance Certification activity will be performed for:

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

Item 102.2:
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.
The initial report is due 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 103: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 103.1:
The Compliance Certification activity will be performed for:

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

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

Item 103.2:
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 during distillate oil firing in the combustion turbine and natural gas firing in the duct burner, based on 1-hour average and the HHV of fuel. 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.

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 monitor the NOx emission at the stack.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 36.46 pounds per hour
Reference Test Method: PT 60 APPENDIX B&F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 8/29/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 104: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 104.1:
The Compliance Certification activity will be performed for:

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

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

Item 104.2:
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 during distillate oil firing in the combustion turbine/HRSG and natural gas firing in the duct burner, based on 1-hour average and HHV of fuel. 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.

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 monitor the CO emission at the stack.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 8.00 pounds per hour
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 105: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 105.1:
The Compliance Certification activity will be performed for:

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

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

Item 105.2:
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) during distillate oil firing in the combustion turbine/HRSG and natural gas firing in the duct burner, based on 1-hour average and HHV of fuel. 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.

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 firng in the duct burner unit.

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

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 5.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 106: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 106.1:
The Compliance Certification activity will be performed for:

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

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

Item 106.2:
Compliance Certification shall include the following monitoring:

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

The NOx emissions are limited to 18.0 parts per million by volume (dry, corrected to 15% O2) during distillate oil firing in the combustion turbine and natural gas firing in the duct burner, based on 1-hour average and the HHV of fuel. 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.

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 monitor the NOx emission at the stack.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 18.0 parts per million by volume

(dry, corrected to 15% O2)
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 107: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 107.1:
The Compliance Certification activity will be performed for:

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

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

Item 107.2:
Compliance Certification shall include the following monitoring:

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

KIAC will control Ammonia emission 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 based on 1-hour average and the HHV of fuel. BACT is required. 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.

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.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: AMMONIA
Upper Permit Limit: 9.25 pounds per hour
Reference Test Method: PT 60 App 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 108: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 108.1:
The Compliance Certification activity will be performed for:

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

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

Item 108.2:
Compliance Certification shall include the following monitoring:

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

KIAC will control Ammonia emission 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) based on 1-hour average and the HHV of fuel. BACT is required. 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.

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.

Manufacturer Name/Model Number: HORIBA (CEMS)
Parameter Monitored: AMMONIA
Upper Permit Limit: 10.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: PT 60 APPENDIX B&F

Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 11/29/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 109: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 109.1:
The Compliance Certification activity will be performed for:

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

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:
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. 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. 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-NOx-Lo-CO
Reference Test Method: PT 60 APPENDIX B&F
Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 110: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 110.1:
The Compliance Certification activity will be performed for:

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

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

Item 110.2:
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: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Upper Permit Limit: 249 million Btu per hour
Reference Test Method: PT 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 7/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 111: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 111.1:
The Compliance Certification activity will be performed for:

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

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

Item 111.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
The NOx emissions are limited to 9.0 parts per million by volume (dry, corrected to 15% O2) during natural gas

firing in the combustion turbine and no duct burner, based on 1-hour average and on the HHV of the fuel. 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.

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.

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

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: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 112: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 112.1:
The Compliance Certification activity will be performed for:

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

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

Item 112.2:
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) during natural gas firing in the combustion turbine and no duct burner, based on 1-hour average and the HHV of the fuel. 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.

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.

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

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 5.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 113: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 113.1:
The Compliance Certification activity will be performed for:

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

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

Item 113.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
The CO emissions are limited to 5.20 pounds per hour during natural gas firing in the combustion turbine and no duct burner, based on 1-hour average and the HHV of fuel. 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.

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

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

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 5.20 pounds per hour
Reference Test Method: PT 60 APP 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 114: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

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

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

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

Item 114.2:
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 during natural gas firing in the combustion turbine and no duct burner, based on 1-hour average and on the HHV of fuel. 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.

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

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

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 16.10 pounds per hour
Reference Test Method: Part 60, App 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 115: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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
Process: GT5 Emission Source: GT001

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

Item 115.2:
Compliance Certification shall include the following monitoring:

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

KIAC will control Ammonia emission through proper operation and control nof 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) based on 1-hour average. BACT is required. 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.

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.

Manufacturer Name/Model Number: HORIBA (CEMS)
Parameter Monitored: AMMONIA
Upper Permit Limit: 10.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: PT 60 APPENDIX B&F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 8/29/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 116: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 116.1:
The Compliance Certification activity will be performed for:

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

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

Item 116.2:
Compliance Certification shall include the following monitoring:

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

KIAC will control Ammonia emission 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 based on 1-hour average during natural gas firing in the turbine without duct firing based on HHV of fuel. BACT is required. 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.

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.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: AMMONIA
Upper Permit Limit: 6.61 pounds per hour
Reference Test Method: PT 60 APP 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 117: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 227-1

Item 117.1:
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 117.2:
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.

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 7/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 118: Compliance Certification

Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 227-1

Item 118.1:
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 118.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Particulate matter emission limit of 0.1 lb/MM BTUs.

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: 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 119: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 119.1:
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 119.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
EPA Reference Method 9 will be used to ensure compliance with opacity standards when firing light distillate oil.

Reference Test Method: EPA Method 9
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 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 120: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 120.1:
The Compliance Certification activity will be performed for:

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

Item 120.2:
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.
The initial report is due 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 121: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
To comply with the 0.1 lb/MM BTU Particulates limit standard at Emission Point 0001, the heating value of the distillate fuel oil fired shall not fall below 120,000 BTUs per gallon.

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 7/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 122: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 227-1.7

Item 122.1:
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 122.2:
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 9
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 123: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 123.1:

The Compliance Certification activity will be performed for:

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

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

Item 123.2:
Compliance Certification shall include the following monitoring:

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

The NOx emissions are limited to 18.0 parts per million by volume (dry, corrected to 15% O2) during distillate oil firing in the combustion turbine and no duct burner, based on 1-hour average. 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.

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

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

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 18.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 124: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 124.1:
The Compliance Certification activity will be performed for:

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

Regulated Contaminant(s):

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

Item 124.2:
Compliance Certification shall include the following monitoring:

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

The NOx emissions are limited to 32.48 pounds per hour during distillate oil firing in the combustion turbine and no duct burner, based on 1-hour average. 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.

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

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

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 32.48 pounds per hour
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 125: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 125.1:
The Compliance Certification activity will be performed for:

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

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

Item 125.2:
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 based on 1-hour average. LAER is required in accordance with 6 NYCRR 231-2.7(b).

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 5.20 pounds per hour
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 126: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 126.1:
The Compliance Certification activity will be performed for:

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

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

Item 126.2:
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 5.0 parts per million by volume (dry, corrected to 15% O2) based on 1-hour average. LAER is required in accordance with 6 NYCRR 231-2.7(b).

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

Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 127: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 127.1:
The Compliance Certification activity will be performed for:

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

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

Item 127.2:
Compliance Certification shall include the following monitoring:

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

KIAC will control Ammonia emission 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 based on 1-hour average. BACT is required. 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.

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.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: AMMONIA
Upper Permit Limit: 6.67 pounds per hour
Reference Test Method: PT 60 App 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 128: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 128.1:
The Compliance Certification activity will be performed for:

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

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

Item 128.2:
Compliance Certification shall include the following monitoring:

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

KIAC will control Ammonia emission 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) based on 1-hour average. BACT is required. 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.

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.

Manufacturer Name/Model Number: HORIBA (CEMS)
Parameter Monitored: AMMONIA
Upper Permit Limit: 10.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 129: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 129.1:
The Compliance Certification activity will be performed for:

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

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

Item 129.2:
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.
Quarterly reports shall be submitted to the Administrator certifying that only very low sulfur oil was combusted in the affected facility during the preceding quarter.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 130: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 130.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0002

Item 130.2:
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 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 131: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 227.2 (b) (1)

Item 131.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0002

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

Item 131.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The two hour average emission of particulates from this stationary combustion installation shall not exceed 0.10 pounds per million Btu of heat input.

At the monitoring frequency stated below the facility shall perform the following:

1) Submit to the Department an acceptable protocol for the testing of particulate emissions in a manner that will determine compliance with the limit cited in this condition.

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 132: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 132.1:
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 132.2:
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: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 133: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 133.1:
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 133.2:
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 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 134: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 134.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0002

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

Item 134.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
All emission limits are based on heat inputs corresponding to the higher heating value (HHV) of the fuel burned.

Manufacturer Name/Model Number: GE MODEL LM6000
Parameter Monitored: HEAT CONTENT
Lower Permit Limit: 120,000 British thermal units per gallon
Reference Test Method: PT 60 APP A METHOD 5
Monitoring Frequency: PER DELIVERY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 135: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 135.1:
The Compliance Certification activity will be performed for:

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 135.2:
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: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 136: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:40CFR 60.7, NSPS Subpart A

Item 136.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0002

Item 136.2:
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 Continous Emission Monitoring (CEMS) in lieu of water-to-fuel monitoring in the gas turbine. Emission Unit 1-OGTDB is 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 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 137: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:40CFR 60.8, NSPS Subpart A

Item 137.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0002

Item 137.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

This facility must perform the stack testing, required to demonstrate compliance with 6NYCRR 201-5.1(a)(3) according to the schedule in 40 CFR 60.8(a).

Reference Test Method: 40 CFR 60.8(a)
Monitoring Frequency: ANNUALLY
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 138: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 138.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0002

Item 138.2:
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 139: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:40CFR 60.334, NSPS Subpart GG

Item 139.1:

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 139.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The owner or operator of any stationary gas turbine subject to the provisions of 40 CFR 60, Subpart GG that is using water injection to control NOx emissions shall install and operate a continuous monitoring system to monitor and record fuel consumption and the ratio of water to fuel fired in the turbine. This system shall be accurate to within +/- 5.0 percent and shall be approved by NYSDEC.

Parameter Monitored: WATER TO FUEL MASS RATIO
Lower Permit Limit: 0.282 pounds of water per pound of fuel
Reference Test Method: SEE MONITORING ABOVE
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 140: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 140.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0002

Item 140.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The type and amount of fuel burned in the combustion turbine and duct burner must be monitored and recorded within an accuracy of +/- 5%.

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 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 141: CEMS
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 141.1:
This Condition applies to Emission Unit: U-00002 Emission Point: E0002

Item 141.2:
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 142: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 142.1:
The Compliance Certification activity will be performed for:

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

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

Item 142.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
The NOx emissions are limited to 9.0 parts per million by volume (dry, corrected to 15% O2) during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner, based on 1-hour average and the HHV of fuel. 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.

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 monitor the NOx emission at the stack.

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: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 143: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 143.1:
The Compliance Certification activity will be performed for:

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

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

Item 143.2:
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) during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner, based on 1-hour average and the HHV of fuel. 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.

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 monitor the CO emission at the stack.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 5.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 144: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 144.1:
The Compliance Certification activity will be performed for:

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

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

Item 144.2:
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 during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner, based on 1-hour average and the HHV of fuel. 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.

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 monitor the NOx emission at the stack.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 20.08 pounds per hour
Reference Test Method: Part 60, App 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 145: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 145.1:
The Compliance Certification activity will be performed for:

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

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

Item 145.2:
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 during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner, based on 1-hour average and the HHV of fuel. 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.

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 monitor the CO emission at the stack.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 8.00 pounds per hour
Reference Test Method: PT 60 APP 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 146: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 146.1:
The Compliance Certification activity will be performed for:

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

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

Item 146.2:
Compliance Certification shall include the following monitoring:

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

KIAC will control Ammonia emission 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) during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner, based on 1-hour average and the HHV of fuel. 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.

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.

Manufacturer Name/Model Number: HORIBA (CEMS)
Parameter Monitored: AMMONIA
Upper Permit Limit: 10.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 147: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 147.1:
The Compliance Certification activity will be performed for:

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

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

Item 147.2:
Compliance Certification shall include the following monitoring:

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

KIAC will control Ammonia emission 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 during natural gas firing in the combustion turbine/HRSG and natural gas firing in the duct burner, based on 1-hour average and the HHV of fuel. 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.

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.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: AMMONIA
Upper Permit Limit: 9.19 pounds per hour
Reference Test Method: PT 60 APP 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 148: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 148.1:
The Compliance Certification activity will be performed for:

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

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

Item 148.2:
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. 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. 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-NOx-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 149: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 149.1:
The Compliance Certification activity will be performed for:

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

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

Item 149.2:
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: PT 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 7/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 150: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 227-1

Item 150.1:
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 150.2:
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: 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 151: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 227-1

Item 151.1:
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 151.2:
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.

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 7/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 152: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 152.1:
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 152.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
EPA Reference Method 9 will be used to ensure compliance with opacity standards when firing light distillate oil.

Reference Test Method: EPA Method 9
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 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 153: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 153.1:
The Compliance Certification activity will be performed for:

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

Item 153.2:
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.
The initial report is due 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 154: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 154.1:
The Compliance Certification activity will be performed for:

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

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

Item 154.2:
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 during distillate oil firing in the combustion turbine and natural gas firing in the duct burner, based on 1-hour average and the HHV of fuel. 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.

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 monitor the NOx emission at the stack.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 36.46 pounds per hour
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 155: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 155.1:

The Compliance Certification activity will be performed for:

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

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

Item 155.2:
Compliance Certification shall include the following monitoring:

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

The NOx emissions are limited to 18.0 parts per million by volume (dry, corrected to 15% O2) during distillate fuel oil firing in the combustion turbine and natural gas firing in the duct burner, based on 1-hour average and the HHV of fuel. 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.

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 monitor the NOx emission at the stack.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 18.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 156: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 156.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0002

Process: GT4 Emission Source: DB002

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

Item 156.2:
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) during distillate oil firing in the combustion turbine/HRSG and natural gas firing in the duct burner, based on 1-hour average and HHV of fuel. 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.

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 firng in the duct burner unit.

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

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 5.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 157: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 157.1:
The Compliance Certification activity will be performed for:

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

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 157.2:
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 during distillate oil firing in the combustion turbine/HRSG and natural gas firing in the duct burner, based on 1-hour average and HHV of fuel. 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.

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 monitor the CO emission at the stack.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 8.00 pounds per hour
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 158: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 158.1:
The Compliance Certification activity will be performed for:

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

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

Item 158.2:
Compliance Certification shall include the following monitoring:

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

KIAC will control Ammonia emission 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 based on 1-hour average and the HHV of fuel. BACT is required. 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.

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.

Manufacturer Name/Model Number: HORIBA (CEMS)
Parameter Monitored: AMMONIA
Upper Permit Limit: 9.25 pounds per hour
Reference Test Method: PT 60 APPENDIX B&F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 11/29/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 159: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 159.1:
The Compliance Certification activity will be performed for:

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

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

Item 159.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

KIAC will control Ammonia emission 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) based on 1-hour average and the HHV of fuel. BACT is required. 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.

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.

Manufacturer Name/Model Number: HORIBA (CEMS)
Parameter Monitored: AMMONIA
Upper Permit Limit: 10.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: PT 60 APPENDIX B&F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 11/29/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 160: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 160.1:
The Compliance Certification activity will be performed for:

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

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

Item 160.2:
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. 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. 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-NOx-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 161: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 161.1:
The Compliance Certification activity will be performed for:

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

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

Item 161.2:
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: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Upper Permit Limit: 249 million Btu per hour
Reference Test Method: KEEP FUEL RECORDS
Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 162: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 162.1:
The Compliance Certification activity will be performed for:

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

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

Item 162.2:
Compliance Certification shall include the following monitoring:

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

The NOx emissions are limited to 9.0 parts per million by volume (dry, corrected to 15% O2) during natural gas firing in the combustion turbine and no duct burner, based on 1-hour average and on the HHV of the fuel. 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.

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.

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

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: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 163: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 163.1:
The Compliance Certification activity will be performed for:

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

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

Item 163.2:
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) during natural gas firing in the combustion turbine and no duct burner, based on 1-hour average and the HHV of the fuel. 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.

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.

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

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 5.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 164: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 164.1:
The Compliance Certification activity will be performed for:

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

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

Item 164.2:
Compliance Certification shall include the following monitoring:

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

The CO emissions are limited to 5.20 pounds per hour during natural gas firing in the combustion turbine and no duct burner, based on 1-hour average. 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.

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

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

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 5.20 pounds per hour
Reference Test Method: PT 60 APP 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 165: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 165.1:
The Compliance Certification activity will be performed for:

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

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

Item 165.2:
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 during natural gas firing in the combustion turbine and no duct burner, based on 1-hour average and on the HHV of fuel. 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.

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

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

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 16.10 pounds per hour
Reference Test Method: Part 60, App 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 166: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 166.1:
The Compliance Certification activity will be performed for:

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

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

Item 166.2:
Compliance Certification shall include the following monitoring:

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

KIAC will control Ammonia emission through proper operation and control nof the Selective Catalytic Reduction (SCR). Control of the Ammonia feed 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) based on 1-hour average. BACT is required. 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.

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.

Manufacturer Name/Model Number: HORIBA (CEMS)
Parameter Monitored: AMMONIA
Upper Permit Limit: 10.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 167: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 167.1:
The Compliance Certification activity will be performed for:

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

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

Item 167.2:
Compliance Certification shall include the following monitoring:

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

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

The NH3 emissions are limited to 6.61 pounds per hour based on 1-hour average during natural gas firing in the turbine without duct firing based on HHV of fuel. BACT is required. 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.

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.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: AMMONIA
Upper Permit Limit: 6.61 pounds per hour
Reference Test Method: PT 60 APP 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 168: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 227-1

Item 168.1:
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 168.2:

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.

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 7/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 169: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR Subpart 227-1

Item 169.1:
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 169.2:
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: 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 170: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 170.1:
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 170.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
EPA Reference Method 9 will be used to ensure compliance with opacity standards when firing light distillate oil.

Reference Test Method: EPA Method 9
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 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 171: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 171.1:
The Compliance Certification activity will be performed for:

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

Item 171.2:
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.
The initial report is due 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 172: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 172.1:
The Compliance Certification activity will be performed for:

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

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

Item 172.2:
Compliance Certification shall include the following monitoring:

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

The NOx emissions are limited to 32.48 pounds per hour during distillate oil firing in the combustion turbine and no duct burner, based on 1-hour average. 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.

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

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

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 32.48 pounds per hour
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 173: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 173.1:
The Compliance Certification activity will be performed for:

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

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

Item 173.2:
Compliance Certification shall include the following monitoring:

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

The CO emissions are limited to 5.20 pounds per hour during distillate oil firing in the combustion turbine and no duct burner, based on 1-hour average. 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.

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

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

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 5.20 pounds per hour
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 174: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 174.1:
The Compliance Certification activity will be performed for:

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

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

Item 174.2:
Compliance Certification shall include the following monitoring:

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

The NOx emissions are limited to 18.0 parts per million by volume (dry, corrected to 15% O2) during distillate oil firing in the combustion turbine and no duct burner, based on 1-hour average. 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.

CEMS are to be used to monitor the NOx 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.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 18.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 175: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 175.1:
The Compliance Certification activity will be performed for:

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

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

Item 175.2:
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) during distillate oil firing in the combustion turbine and no duct burner, based on 1-hour average. 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.

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

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

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 5.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 176: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 176.1:
The Compliance Certification activity will be performed for:

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

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

Item 176.2:
Compliance Certification shall include the following monitoring:

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

KIAC will control Ammonia emission 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 based on 1-hour average. BACT is required. 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.

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 no duct burner unit.

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

Manufacturer Name/Model Number: HORIBA (CEMS)
Parameter Monitored: AMMONIA
Upper Permit Limit: 6.67 pounds per hour
Reference Test Method: PT 60 APPENDIX B&F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 11/29/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 177: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 177.1:
The Compliance Certification activity will be performed for:

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

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

Item 177.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
KIAC will control Ammonia emission 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) based on 1-hour average. BACT is required. 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.

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

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

Manufacturer Name/Model Number: HORIBA (CEMS)
Parameter Monitored: AMMONIA
Upper Permit Limit: 10.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: PT 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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 178: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 178.1:
The Compliance Certification activity will be performed for:

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

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

Item 178.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Each combustion turbine unit is limited to 4.8 million gallons of light distillate fuel oil use per year. This annual limit is based on a daily rolling average.

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: PT 60 APPENDIX B & F
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 7/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 179: Compliance Certification
Effective between the dates of 08/12/2010 and 08/11/2015

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

Item 179.1:
The Compliance Certification activity will be performed for:

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

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

Item 179.2:
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.
Quarterly reports shall be submitted to the Administrator certifying that only very low sulfur oil was combusted in the affected facility during the preceding quarter.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

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

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

Item A: **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 180: Contaminant List
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:ECL 19-0301

Item 180.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

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

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

CAS No: 007664-41-7
Name: AMMONIA

CAS No: 0NY075-00-0
Name: PARTICULATES

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

Condition 181: Unavoidable noncompliance and violations
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 201-1.4

Item 181.1:
At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment 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 commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the

malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) 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.

Condition 182: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 201-5.3 (b)

Item 182.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

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

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

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

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

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

Item 182.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Each combustion turbine unit is limited to 4.8 million gallons of light distillate fuel oil use per year. This annual limit is based on a daily rolling average.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Upper Permit Limit: 4.8 million 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: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 183: Air pollution prohibited
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 211.2

Item 183.1:
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 184: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 227-1.4 (a)

Item 184.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 184.2:
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 tile 40, part 60 of the Code of Federal Regulations, or approved by the commissioner on an individual case basis, for continously 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 gses 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 (METHOD 9)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 185: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 227-2.5

Item 185.1:
The Compliance Demonstration activity will be performed for the Facility.

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

Item 185.2:
Compliance Demonstration 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 7/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 186: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 231-1.4

Item 186.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 186.2:
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 187: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 231-1.6

Item 187.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 187.2:
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 188: CO2 Budget Trading Program - Excess emission requirements

Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 242-1.5

Item 188.1:
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 189: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 242-1.5

Item 189.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 189.2:
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 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 190: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 242-1.5

Item 190.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 190.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owners and operators of the CO2 budget source and each CO2 budget unit at the source shall keep on site at the source each of the following documents for a period of 10 years from the date the document is created. This

period may be extended for cause, at any time prior to the end of 10 years, in writing by the department.

(i) The account certificate of representation for the CO2 authorized account representative for the source and each CO2 budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with 6 NYCRR Part 242-2.4, provided that the certificate and documents shall be retained on site at the source beyond such 10-year period until such documents are superseded because of the submission of a new account certificate of representation.

(ii) All emissions monitoring information, in accordance with Subpart 242-8 and 40 CFR 75.57.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CO2 Budget Trading Program.

(iv) Copies of all documents used to complete a CO2 budget permit application and any other submission under the CO2 Budget Trading Program or to demonstrate compliance with the requirements of the CO2 Budget Trading Program.

The CO2 authorized account representative of a CO2 budget source and each CO2 budget unit at the source shall submit the reports and compliance certifications required under the CO2 Budget Trading Program, including those under Subpart 242-4.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

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

Condition 191: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 227-2.4 (e) (2)

Item 191.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: GT1 Emission Source: DB001

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

Item 191.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
Effective July 8, 2010, for combined cycle combustion turbines with maximum heat input rates of 10 million Btu per hour or greater must comply with the following emission limits:

(i) prior to July 1, 2014, 42 ppmvd, corrected to 15 percent oxygen, when firing gas and
(ii) prior to July 1, 2014, 65 ppmvd, corrected to 15 percent oxygen, when firing oil.

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.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 42 parts per million by volume (dry, corrected to 15% O2)
Reference Test Method: 40 CFR 60 APP B
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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 192: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 212.9 (b)

Item 192.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: GT3 Emission Source: DB001

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

Item 192.2:
Compliance Demonstration 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
Upper Permit Limit: 99 percent reduction by weight
Reference Test Method: PART 60, APP A, M 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 193: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 227-2.4 (e) (2)

Item 193.1:
The Compliance Demonstration activity will be performed for:

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

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

Item 193.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
Effective July 8, 2010, for combined cycle combustion turbines with maximum heat input rates of 10 million Btu per hour or greater must comply with the following emission limits:

(i) prior to July 1, 2014, 42 ppmvd, corrected to 15 percent oxygen, when firing gas and

(ii) prior to July 1, 2014, 65 ppmvd, corrected to 15 percent oxygen, when firing oil.

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.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 65 parts per million by volume (dry, corrected to 15% O2)
Reference Test Method: 40 CFR 60 APP B
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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 194: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 212.9 (b)

Item 194.1:
The Compliance Demonstration activity will be performed for:

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

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

Item 194.2:
Compliance Demonstration 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
Upper Permit Limit: 99 percent reduction by weight
Reference Test Method: PART 60, APP A, M 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 195: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 227-2.4 (e) (2)

Item 195.1:
The Compliance Demonstration activity will be performed for:

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

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

Item 195.2:
Compliance Demonstration shall include the following monitoring:

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

Effective July 8, 2010, for combined cycle combustion turbines with maximum heat input rates of 10 million Btu per hour or greater must comply with the following emission limits:

(i) prior to July 1, 2014, 42 ppmvd, corrected to 15 percent oxygen, when firing gas and
(ii) prior to July 1, 2014, 65 ppmvd, corrected to 15 percent oxygen, when firing oil.

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.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 42 parts per million by volume (dry,

corrected to 15% O2)
Reference Test Method: 40 CFR 60 APP B
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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 196: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 212.9 (b)

Item 196.1:
The Compliance Demonstration activity will be performed for:

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

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

Item 196.2:
Compliance Demonstration 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
Upper Permit Limit: 99 percent reduction by weight
Reference Test Method: PART 60, APP A, M 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 197: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 227-2.4 (e) (2)

Item 197.1:
The Compliance Demonstration activity will be performed for:

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

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

Item 197.2:
Compliance Demonstration shall include the following monitoring:

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

Effective July 8, 2010, for combined cycle combustion turbines with maximum heat input rates of 10 million Btu per hour or greater must comply with the following emission limits:

(i) prior to July 1, 2014, 42 ppmvd, corrected to 15 percent oxygen, when firing gas and
(ii) prior to July 1, 2014, 65 ppmvd, corrected to 15 percent oxygen, when firing oil.

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.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 65 parts per million by volume (dry, corrected to 15% O2)
Reference Test Method: 40 CFR 60 APP B
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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 198: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 227-2.4 (e) (2)

Item 198.1:
The Compliance Demonstration activity will be performed for:

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

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

Item 198.2:
Compliance Demonstration shall include the following monitoring:

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

Effective July 8, 2010, for combined cycle combustion turbines with maximum heat input rates of 10 million Btu per hour or greater must comply with the following emission limits:

(i) prior to July 1, 2014, 42 ppmvd, corrected to 15 percent oxygen, when firing gas and
(ii) prior to July 1, 2014, 65 ppmvd, corrected to 15 percent oxygen, when firing oil.

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.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 42 parts per million by volume (dry, corrected to 15% O2)
Reference Test Method: 40 CFR 60 APP B
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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 199: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 212.9 (b)

Item 199.1:
The Compliance Demonstration activity will be performed for:

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

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

Item 199.2:
Compliance Demonstration 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
Upper Permit Limit: 99 percent reduction by weight
Reference Test Method: PART 60, APP A, M 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 200: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 227-2.4 (e) (2)

Item 200.1:
The Compliance Demonstration activity will be performed for:

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

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

Item 200.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
Effective July 8, 2010, for combined cycle combustion turbines with maximum heat input rates of 10 million Btu per hour or greater must comply with the following emission limits:

(i) prior to July 1, 2014, 42 ppmvd, corrected to 15

percent oxygen, when firing gas and
(ii) prior to July 1, 2014, 65 ppmvd, corrected to 15 percent oxygen, when firing oil.

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.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 65 parts per million by volume (dry, corrected to 15% O2)
Reference Test Method: 40 CFR 60 APP B
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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 201: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 212.9 (b)

Item 201.1:
The Compliance Demonstration activity will be performed for:

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

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

Item 201.2:
Compliance Demonstration 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
Upper Permit Limit: 99 percent reduction by weight
Reference Test Method: PART 60, APP A, M 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 202: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 227-2.4 (e) (2)

Item 202.1:
The Compliance Demonstration activity will be performed for:

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

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

Item 202.2:
Compliance Demonstration shall include the following monitoring:

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

Effective July 8, 2010, for combined cycle combustion turbines with maximum heat input rates of 10 million Btu per hour or greater must comply with the following emission limits:

(i) prior to July 1, 2014, 42 ppmvd, corrected to 15 percent oxygen, when firing gas and
(ii) prior to July 1, 2014, 65 ppmvd, corrected to 15 percent oxygen, when firing oil.

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.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 42 parts per million by volume (dry, corrected to 15% O2)
Reference Test Method: 40 CFR 60 APP B
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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).

Condition 203: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 212.9 (b)

Item 203.1:
The Compliance Demonstration activity will be performed for:

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

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

Item 203.2:
Compliance Demonstration 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
Upper Permit Limit: 99 percent reduction by weight
Reference Test Method: PART 60, APP A, M 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 204: Compliance Demonstration
Effective between the dates of 08/12/2010 and 08/11/2015

Applicable State Requirement:6 NYCRR 227-2.4 (e) (2)

Item 204.1:
The Compliance Demonstration activity will be performed for:

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

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

Item 204.2:
Compliance Demonstration shall include the following monitoring:

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

Effective July 8, 2010, for combined cycle combustion turbines with maximum heat input rates of 10 million Btu per hour or greater must comply with the following emission limits:

(i) prior to July 1, 2014, 42 ppmvd, corrected to 15 percent oxygen, when firing gas and
(ii) prior to July 1, 2014, 65 ppmvd, corrected to 15 percent oxygen, when firing oil.

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.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 65 parts per million by volume (dry, corrected to 15% O2)
Reference Test Method: 40 CFR 60 APP B
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 10/30/2010.
Subsequent reports are due every 3 calendar month(s).