



**New York State Department of Environmental Conservation
Permit Review Report**

Permit ID: 2-6308-00096/00009

Renewal Number: 1

08/16/2010

Facility Identification Data

Name: KIAC COGENERATION PLANT-JFK AIRPORT

Address: JFK AIRPORT BLDG 49

JAMAICA, NY 11430

Owner/Firm

Name: KIAC PARTNERS

Address: C/O CALPINE OPERATING SVCES CO INC

717 TEXAS AVE STE 1000

HOUSTON, TX 77002, USA

Owner Classification: Corporation/Partnership

Permit Contacts

Division of Environmental Permits:

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JFK INTERNATIONAL AIRPORT BLDG 49

JAMAICA, NY 11430

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Permit Description

Introduction

The Title V operating air permit is intended to be a document containing only enforceable terms and conditions as well as any additional information, such as the identification of emission units, emission points, emission sources and processes, that makes the terms meaningful. 40 CFR Part 70.7(a)(5) requires that each Title V permit have an accompanying "...statement that sets forth the legal and factual basis for the draft permit conditions". The purpose for this permit review report is to satisfy the above requirement by providing pertinent details regarding the permit/application data and permit conditions in a more easily understandable format. This report will also include background narrative and explanations of regulatory decisions made by the reviewer. It should be emphasized that this permit review report, while based on information contained in the permit, is a separate document and is not itself an enforceable term and condition of the permit.

Summary Description of Proposed Project

This application is submitted to renew the current Title V Permit. Also, the permit is modified to include conditions recently promulgated under regulations 6 NYCRR Parts 242, 243, 244, and 245. These



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regulations require facilities to obtain/possess at least as many allocations of carbon dioxide (CO₂), sulfur dioxide (SO₂) and oxides of nitrogen (NO_x) 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.

This project is a major modification to place the applicable Clean Air Interstate Rule (CAIR) rules in KIAC's Title V permit. The permit conditions for the following regulations are added to the permit modification:

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

This is a Title V permit renewal application for an existing cogeneration facility. KIAC Cogeneration Plant - JFK Airport is a Title V facility, operating several emission sources, which consist of two (2) identical combustion turbines equipped with supplementary fired duct burners and heat recovery steam generators (HRSGs). The plant supplies electricity to the airport and the Con Edison Power Distribution Grid and supplies steam to the airport's central heating and refrigeration plant. The plant is located in the middle of the central terminal area of the J.F. Kennedy International Airport. The renewal application covers the upgrades of the two combustion turbines (LM 6000 PA to LM 6000 PC Sprint). No new operations and/or modifications have been requested under this Title V permit application. This facility is not a PSD source.

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.

Attainment Status

KIAC COGENERATION PLANT-JFK AIRPORT is located in the town of QUEENS in the county of QUEENS.



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The attainment status for this location is provided below. (Areas classified as attainment are those that meet all ambient air quality standards for a designated criteria air pollutant.)

Criteria Pollutant	Attainment Status
Particulate Matter (PM)	ATTAINMENT
Particulate Matter < 10µ in diameter (PM10)	ATTAINMENT
Sulfur Dioxide (SO2)	ATTAINMENT
Ozone*	SEVERE NON-ATTAINMENT
Oxides of Nitrogen (NOx)**	ATTAINMENT
Carbon Monoxide (CO)	ATTAINMENT

* Ozone is regulated in terms of the emissions of volatile organic compounds (VOC) and/or oxides of nitrogen (NOx) which are ozone precursors.

** NOx has a separate ambient air quality standard in addition to being an ozone precursor.

Facility Description:

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 consist 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. No new operations and/or modifications have been requested under this Title V permit renewal. 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 -



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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 were 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 were 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 include 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 (NO_x) 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 NO_x Ozone Season Trading Program, 6 NYCRR 243, which replaces Part 204 in the year 2009



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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 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.

Permit Structure and Description of Operations

The Title V permit for KIAC COGENERATION PLANT-JFK AIRPORT

is structured in terms of the following hierarchy: facility, emission unit, emission point, emission source and process. A facility is defined as all emission sources located at one or more adjacent or contiguous properties owned or operated by the same person or persons under common control. The facility is subdivided into one or more emission units (EU). Emission units are defined as any part or activity of a stationary facility that emits or has the potential to emit any federal or state regulated air pollutant. An emission unit is represented as a grouping of processes (defined as any activity involving one or more



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emission sources (ES) that emits or has the potential to emit any federal or state regulated air pollutant). An emission source is defined as any apparatus, contrivance or machine capable of causing emissions of any air contaminant to the outdoor atmosphere, including any appurtenant exhaust system or air cleaning device. [NOTE: Indirect sources of air contamination as defined in 6 NYCRR Part 203 (i.e. parking lots) are excluded from this definition]. The applicant is required to identify the principal piece of equipment (i.e., emission source) that directly results in or controls the emission of federal or state regulated air pollutants from an activity (i.e., process). Emission sources are categorized by the following types:

- combustion - devices which burn fuel to generate heat, steam or power
- incinerator - devices which burn waste material for disposal
- control - emission control devices
- process - any device or contrivance which may emit air contaminants that is not included in the above categories.

KIAC COGENERATION PLANT-JFK AIRPORT is defined by the following emission unit(s):

Emission unit U00001 - 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.

Emission unit U00001 is associated with the following emission points (EP):

E0001

Process: GT1 is located at Building COGENB -

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.

Process: GT3 is located at Building COGENB - 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



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Source GT001).

Process: GT5 is located at Building COGENB - 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.

Process: GT7 is located at Building COGENB - 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 unit U00002 - Emission Unit U-00001 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.

Emission unit U00002 is associated with the following emission points (EP):
E0002

Process: GT2 is located at Building COGENB - 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.

Process: GT4 is located at Building COGENB - 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



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(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).

Process: GT6 is located at Building COGENB - Process GT6 is the firing of natural gas in one GE LM 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.

Process: GT8 is located at Building COGENB - 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 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).

Title V/Major Source Status

KIAC COGENERATION PLANT-JFK AIRPORT is subject to Title V requirements. This determination is based on the following information:

The KIAC Cogeneration Plant - JFK is a major facility because the potential emissions of nitrogen oxides and volatile organic compounds are greater than the major source thresholds, which is 25 tons per year for both nitrogen oxides and volatile organic compounds. Also, the potential emissions of sulfur dioxide is greater than the major source thresholds of 100 tons/year.

Program Applicability

The following chart summarizes the applicability of KIAC COGENERATION PLANT-JFK AIRPORT with regards to the principal air pollution regulatory programs:

Regulatory Program	Applicability
PSD	YES
NSR (non-attainment)	NO
NESHAP (40 CFR Part 61)	NO
NESHAP (MACT - 40 CFR Part 63)	NO
NSPS	YES
TITLE IV	YES
TITLE V	YES
TITLE VI	NO
RACT	YES
SIP	YES



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NOTES:

PSD Prevention of Significant Deterioration (40 CFR 52) - requirements which pertain to major stationary sources located in areas which are in attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NSR New Source Review (6 NYCRR Part 231) - requirements which pertain to major stationary sources located in areas which are in non-attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NESHAP National Emission Standards for Hazardous Air Pollutants (40 CFR 61) - contaminant and source specific emission standards established prior to the Clean Air Act Amendments of 1990 (CAAA) which were developed for 9 air contaminants (inorganic arsenic, radon, benzene, vinyl chloride, asbestos, mercury, beryllium, radionuclides, and volatile HAP's).

MACT Maximum Achievable Control Technology (40 CFR 63) - contaminant and source specific emission standards established by the 1990 CAAA. Under Section 112 of the CAAA, the US EPA is required to develop and promulgate emissions standards for new and existing sources. The standards are to be based on the best demonstrated control technology and practices in the regulated industry, otherwise known as MACT. The corresponding regulations apply to specific source types and contaminants.

NSPS New Source Performance Standards (40 CFR 60) - standards of performance for specific stationary source categories developed by the US EPA under Section 111 of the CAAA. The standards apply only to those stationary sources which have been constructed or modified after the regulations have been proposed by publication in the Federal Register and only to the specific contaminant(s) listed in the regulation.

Title IV Acid Rain Control Program (40 CFR 72 thru 78) - regulations which mandate the implementation of the acid rain control program for large stationary combustion facilities.

Title VI Stratospheric Ozone Protection (40 CFR 82, Subparts A thru G) - federal requirements that apply to sources which use a minimum quantity of CFC's (chlorofluorocarbons), HCFC's (hydrofluorocarbons) or other ozone depleting substances or regulated substitute substances in equipment such as air conditioners, refrigeration equipment or motor vehicle air conditioners or appliances.

RACT Reasonably Available Control Technology (6 NYCRR Parts 212.10, 226, 227-2, 228, 229, 230, 232, 233, 234, 235, 236) - the lowest emission limit that a specific source is capable of meeting by application of control technology that is reasonably available, considering technological and economic feasibility. RACT is a control strategy used to limit emissions of VOC's and NOx for the purpose of attaining the air quality standard for ozone. The term as it is used in the above table refers to those state air pollution control regulations which specifically regulate VOC and NOx emissions.

SIP State Implementation Plan (40 CFR 52, Subpart HH) - as per the CAAA, all states are empowered and required to devise the specific combination of controls that, when implemented, will bring about attainment of ambient air quality standards established by the federal government and the individual state. This specific combination of measures is referred to as the SIP. The term here refers to those state regulations that are approved to be included in the SIP and thus are considered federally enforceable.



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Compliance Status

Facility is in compliance with all requirements.

SIC Codes

SIC or Standard Industrial Classification code is an industrial code developed by the federal Office of Management and Budget for use, among other things, in the classification of establishments by the type of activity in which they are engaged. Each operating establishment is assigned an industry code on the basis

of its primary activity, which is determined by its principal product or group of products produced or distributed, or services rendered. Larger facilities typically have more than one SIC code.

SIC Code

Description

4931

ELEC & OTHER SERVICES COMBINED

SCC Codes

SCC or Source Classification Code is a code developed and used" by the USEPA to categorize processes which result in air emissions for the purpose of assessing emission factor information.Each SCC represents

a unique process or function within a source category logically associated with a point of air pollution emissions. Any operation that causes air pollution can be represented by one or more SCC's.

SCC Code

Description

2-02-002-03

INTERNAL COMBUSTION ENGINES - INDUSTRIAL
INDUSTRIAL INTERNAL COMBUSTION ENGINE -
NATURAL GAS
Turbine: Cogeneration

Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Service code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.'s contain a 'NY' designation within them. These are not true CAS No.'s but rather an identification which has been developed by the department to identify groups of contaminants which ordinary CAS No.'s do not do. As an example, volatile organic compounds or VOC's are identified collectively by the NY CAS No. 0NY998-00-0.] The PTE refers to the Potential to Emit. This is defined as the maximum capacity of a facility or air contaminant source to emit any air contaminant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or air contamination source to emit any air contaminant, including air pollution control equipment and/or restrictions on the hours of operation, or on the type or amount or material combusted, stored, or processed, shall be treated as part of the design only if the limitation is contained in federally enforceable permit conditions. The PTE Range represents an emission range for a contaminant. Any PTE quantity that is displayed represents a facility-wide emission cap or limitation for that contaminant. If no PTE quantity is displayed, the PTE Range is provided to indicate the approximate magnitude of facility-wide emissions for the specified contaminant in terms of tons per year (tpy). The term 'HAP' refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own specific CAS No. and is identified in the list below by the (HAP) designation.

Cas No.	Contaminant Name	PTE
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		lbs/yr	Range
000106-99-0	1,3-BUTADIENE	0.122	
000075-07-0	ACETALDEHYDE	2.388	
000107-02-8	ACROLEIN	0.288	
007664-41-7	AMMONIA	127729	
007440-38-2	ARSENIC	6.2	
000071-43-2	BENZENE	2.906	
007440-43-9	CADMIUM	5	
000630-08-0	CARBON MONOXIDE	106270	
007440-47-3	CHROMIUM	58	
0NY064-29-0	COPPER (CU 064)	1601	
000050-00-0	FORMALDEHYDE	21120	
0NY100-00-0	HAP		> 0 but < 2.5 tpy
007439-92-1	LEAD	71.4	
007439-96-5	MANGANESE	418.9	
007439-97-6	MERCURY	1.1	
0NY059-28-0	NICKEL (NI 059)	1478.4	
0NY210-00-0	OXIDES OF NITROGEN	360329	
0NY075-00-0	PARTICULATES	143789	
0NY075-00-5	PM-10	143789	
000075-56-9	PROPANE, 1,2-EPOXY-	8.034	
007782-49-2	SELENIUM	6.4	
007446-09-5	SULFUR DIOXIDE	244332	
000108-88-3	TOLUENE	1.274	
007440-62-2	VANADIUM	5.3	
0NY998-00-0	VOC	50212	
001330-20-7	XYLENE, M, O & P MIXT.	0.888	

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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



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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 Part 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 Part 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 Part 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 Part 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 Part 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 Part 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



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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 Part 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



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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.

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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.

Regulatory Analysis

Location Facility/EU/EP/Process/ES	Regulation	Condition	Short Description

FACILITY	ECL 19-0301	180	Powers and Duties of the Department with



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FACILITY	40CFR 52-A.21(j)	28, 57, 58	respect to air pollution control
			Best Available
U-00001/E0001	40CFR 52-A.21(j)	80, 81, 82, 83, 84	Control Technology
			Best Available
U-00001/E0001/GT1/DB001	40CFR 52-A.21(j)	95, 96, 97, 98	Control Technology
			Best Available
U-00001/E0001/GT3/DB001	40CFR 52-A.21(j)	107, 108, 109, 110	Control Technology
			Best Available
U-00001/E0001/GT5/GT001	40CFR 52-A.21(j)	115, 116	Control Technology
			Best Available
U-00001/E0001/GT7/GT001	40CFR 52-A.21(j)	127, 128	Control Technology
			Best Available
U-00002/E0002	40CFR 52-A.21(j)	132, 133, 134, 135	Control Technology
			Best Available
U-00002/E0002/GT2/DB002	40CFR 52-A.21(j)	146, 147, 148, 149	Control Technology
			Best Available
U-00002/E0002/GT4/DB002	40CFR 52-A.21(j)	158, 159, 160, 161	Control Technology
			Best Available
U-00002/E0002/GT6/GT002	40CFR 52-A.21(j)	166, 167	Control Technology
			Best Available
U-00002/E0002/GT8/GT002	40CFR 52-A.21(j)	176, 177, 178	Control Technology
FACILITY	40CFR 60-A.11	65	General provisions - compliance with standards and maintenance requirements
FACILITY	40CFR 60-A.12	66	General provisions - Circumvention
FACILITY	40CFR 60-A.13	67	General provisions - Monitoring requirements
FACILITY	40CFR 60-A.14	68	General provisions - Modification
FACILITY	40CFR 60-A.15	69	General provisions - Reconstruction
FACILITY	40CFR 60-A.4	59	General provisions - Address
U-00001/E0001	40CFR 60-A.7	85	General provisions - Notification and recordkeeping
U-00002/E0002	40CFR 60-A.7	136	General provisions - Notification and recordkeeping
FACILITY	40CFR 60-A.7(a)	60	Notification and Recordkeeping
FACILITY	40CFR 60-A.7(b)	61	Notification and Recordkeeping
FACILITY	40CFR 60-A.7(d)	62	Notification and Recordkeeping
FACILITY	40CFR 60-A.7(f)	63	Notification and Recordkeeping
U-00001/E0001	40CFR 60-A.8	86	General provisions - Performance tests
U-00002/E0002	40CFR 60-A.8	137	General provisions - Performance tests
FACILITY	40CFR 60-A.9	64	General provisions - Availability of information
FACILITY	40CFR 60-Db.47b	70	Emission Monitoring for Sulfur Dioxide.
U-	40CFR 60-Db.47b	129	Emission Monitoring

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00001/E0001/GT7/GT001				
U-	40CFR 60-Db.47b	179		for Sulfur Dioxide.
00002/E0002/GT8/GT002				Emission Monitoring
FACILITY	40CFR 60-Db.48b	71		for Sulfur Dioxide.
				Emissions Monitoring
				for Particulate
				Matter and Nitrogen
				Oxides.
U-00001/E0001	40CFR 60-Dc.48c (a)	87		Reporting and
				Recordkeeping
				Requirements.
U-00002/E0002	40CFR 60-Dc.48c (a)	138		Reporting and
				Recordkeeping
				Requirements.
U-00001/E0001	40CFR 60-GG.334	88		Monitoring of
				Operations for
				Turbines
U-00002/E0002	40CFR 60-GG.334	139		Monitoring of
				Operations for
				Turbines
U-00001/E0001	40CFR 60-GG.334 (a)	89		Monitoring of
				Operations for
				Turbines Employing
				Water Injection to
				Control NOx
U-00002/E0002	40CFR 60-GG.334 (a)	140		Monitoring of
				Operations for
				Turbines Employing
				Water Injection to
				Control NOx
U-00001/E0001	40CFR 60-GG.334 (b)	90		Monitoring of
				Operations: CEMS
U-00002/E0002	40CFR 60-GG.334 (b)	141		Monitoring of
				Operations: CEMS
FACILITY	40CFR 60-GG.334 (h) (1)	72		Sulfur Content of
				Fuel
FACILITY	40CFR 60-GG.334 (h) (3)	73		Allowance not to
				monitor sulfur or
				nitrogen for natural
				gas
FACILITY	40CFR 60-GG.334 (h) (4)	74		Custom fuel
				monitoring schedule
FACILITY	40CFR 68	22		Chemical accident
				prevention provisions
FACILITY	40CFR 75-C.20	75		CEM operation and
				maintenance
				requirements -
				certification and
				recertification
FACILITY	40CFR 82-F	23		procedures
				Protection of
				Stratospheric Ozone -
				recycling and
FACILITY	6NYCRR 200.6	1		emissions reduction
				Acceptable ambient
FACILITY	6NYCRR 200.7	11		air quality.
				Maintenance of
				equipment.
FACILITY	6NYCRR 201-1.3	24		Change in Ownership
FACILITY	6NYCRR 201-1.4	181		Unavoidable
				noncompliance and
				violations
FACILITY	6NYCRR 201-1.7	12		Recycling and Salvage
FACILITY	6NYCRR 201-1.8	13		Prohibition of
				reintroduction of

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			collected contaminants to the air
FACILITY	6NYCRR 201-3.2 (a)	14	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-3.3 (a)	15	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-5.3 (b)	182	Permit Content and Terms of Issuance - permit conditions
FACILITY	6NYCRR 201-6	25, 76, 77	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.5 (a) (4)	16	General conditions
FACILITY	6NYCRR 201-6.5 (a) (7)	2	General conditions
FACILITY	6NYCRR 201-6.5 (a) (8)	17	Fees
FACILITY	6NYCRR 201-6.5 (c)	3	General conditions
			Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (c) (2)	4	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201- 6.5 (c) (3) (ii)	5	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (d) (5)	18	Compliance schedules
FACILITY	6NYCRR 201-6.5 (e)	6	Compliance Certification
FACILITY	6NYCRR 201-6.5 (f) (6)	19	Off Permit Changes
FACILITY	6NYCRR 201-6.5 (g)	26	Permit shield
FACILITY	6NYCRR 201-7	27, 28	Federally Enforceable Emissions Caps
FACILITY	6NYCRR 202-1.1	20	Required emissions tests.
FACILITY	6NYCRR 202-1.5	29	Prohibitions.
FACILITY	6NYCRR 202-2	30	Emission Statements
FACILITY	6NYCRR 202-2.1	7	Emission Statements - Applicability
FACILITY	6NYCRR 202-2.5	8	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 207	31	Control Measures for an Air Pollution Episode
FACILITY	6NYCRR 211.2	183	General Prohibitions - air pollution prohibited.
FACILITY	6NYCRR 211.3	21	General Prohibitions - visible emissions limited
U- 00001/E0001/GT3/DB001	6NYCRR 212.9 (b)	192	General Process Emission Sources - tables
U- 00001/E0001/GT3/GT001	6NYCRR 212.9 (b)	194	General Process Emission Sources - tables
U- 00001/E0001/GT7/GT001	6NYCRR 212.9 (b)	196	General Process Emission Sources - tables
U-	6NYCRR 212.9 (b)	199	General Process

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00002/E0002/GT4/DB002			Emission Sources - tables
U-00002/E0002/GT4/GT002	6NYCRR 212.9 (b)	201	General Process Emission Sources - tables
U-00002/E0002/GT8/GT002	6NYCRR 212.9 (b)	203	General Process Emission Sources - tables
FACILITY	6NYCRR 215	9	Open Fires
FACILITY	6NYCRR 215.2	10	Open Fires - Prohibitions
U-00001/E0001	6NYCRR 227.2 (b) (1)	79	Particulate emissions.
U-00002/E0002	6NYCRR 227.2 (b) (1)	131	Particulate emissions.
FACILITY	6NYCRR 227-1	32	Stationary Combustion Installations
U-00001/E0001/GT3	6NYCRR 227-1	99, 100	Stationary Combustion Installations
U-00001/E0001/GT7	6NYCRR 227-1	117, 118	Stationary Combustion Installations
U-00002/E0002/GT4	6NYCRR 227-1	150, 151	Stationary Combustion Installations
U-00002/E0002/GT8	6NYCRR 227-1	168, 169	Stationary Combustion Installations
U-00001/E0001/GT3	6NYCRR 227-1.3	101	Smoke Emission Limitations.
U-00001/E0001/GT7	6NYCRR 227-1.3	119	Smoke Emission Limitations.
U-00002/E0002/GT4	6NYCRR 227-1.3	152	Smoke Emission Limitations.
U-00002/E0002/GT8	6NYCRR 227-1.3	170	Smoke Emission Limitations.
FACILITY	6NYCRR 227-1.3 (a)	33	Smoke Emission Limitations.
U-00001/E0001/GT3	6NYCRR 227-1.3 (a)	102	Smoke Emission Limitations.
U-00001/E0001/GT7	6NYCRR 227-1.3 (a)	120	Smoke Emission Limitations.
U-00002/E0002/GT4	6NYCRR 227-1.3 (a)	153	Smoke Emission Limitations.
U-00002/E0002/GT8	6NYCRR 227-1.3 (a)	171	Smoke Emission Limitations.
FACILITY	6NYCRR 227-1.4 (a)	184	Stack Monitoring. (see narrative)
FACILITY	6NYCRR 227-1.4 (c)	34	Stack Monitoring
U-00001/E0001	6NYCRR 227-1.4 (d)	78	Stack Monitoring
U-00002/E0002	6NYCRR 227-1.4 (d)	130	Stack Monitoring
FACILITY	6NYCRR 227-1.7	35	General Emission Data.
U-00001/E0001/GT7	6NYCRR 227-1.7	121, 122	General Emission Data.
U-00001/E0001/GT1/DB001	6NYCRR 227-2.4 (e) (2)	191	Combined cycle combustion turbines.
U-00001/E0001/GT3/DB001	6NYCRR 227-2.4 (e) (2)	193	Combined cycle combustion turbines.
U-00001/E0001/GT5/GT001	6NYCRR 227-2.4 (e) (2)	195	Combined cycle combustion turbines.
U-00001/E0001/GT7/GT001	6NYCRR 227-2.4 (e) (2)	197	Combined cycle combustion turbines.
U-00002/E0002/GT2/DB002	6NYCRR 227-2.4 (e) (2)	198	Combined cycle combustion turbines.
U-00002/E0002/GT4/DB002	6NYCRR 227-2.4 (e) (2)	200	Combined cycle combustion turbines.



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U-00002/E0002/GT6/GT002	6NYCRR 227-2.4 (e) (2)	202	Combined cycle combustion turbines.
U-00002/E0002/GT8/GT002	6NYCRR 227-2.4 (e) (2)	204	Combined cycle combustion turbines.
FACILITY	6NYCRR 227-2.5	185	Compliance options.
FACILITY	6NYCRR 227-2.6	36	Testing, monitoring, and reporting requirements
FACILITY	6NYCRR 227-2.6 (b)	37	CEMS requirements
FACILITY	6NYCRR 231-1.4	186	Lowest achievable emission rate
FACILITY	6NYCRR 231-1.6	187	Air quality impact evaluation
FACILITY	6NYCRR 231-2.7 (b)	38	Net emission increase determination
U-00001/E0001/GT1/DB001	6NYCRR 231-2.7 (b)	91, 92, 93, 94	Net emission increase determination
U-00001/E0001/GT3/DB001	6NYCRR 231-2.7 (b)	103, 104, 105, 106	Net emission increase determination
U-00001/E0001/GT5/GT001	6NYCRR 231-2.7 (b)	111, 112, 113, 114	Net emission increase determination
U-00001/E0001/GT7/GT001	6NYCRR 231-2.7 (b)	123, 124, 125, 126	Net emission increase determination
U-00002/E0002/GT2/DB002	6NYCRR 231-2.7 (b)	142, 143, 144, 145	Net emission increase determination
U-00002/E0002/GT4/DB002	6NYCRR 231-2.7 (b)	154, 155, 156, 157	Net emission increase determination
U-00002/E0002/GT6/GT002	6NYCRR 231-2.7 (b)	162, 163, 164, 165	Net emission increase determination
U-00002/E0002/GT8/GT002	6NYCRR 231-2.7 (b)	172, 173, 174, 175	Net emission increase determination
FACILITY	6NYCRR 242-1.5	188, 189, 190	CO2 Budget Trading Program - Standard requirements
FACILITY	6NYCRR 243-1.6 (a)	39	Permit Requirements - CAIR NOx Ozone Season Trading Program
FACILITY	6NYCRR 243-1.6 (b)	40	Monitoring Requirements - CAIR NOx Ozone Season Trading Program
FACILITY	6NYCRR 243-1.6 (c)	41	NOx Ozone Season Emission Requirements - CAIR NOx Ozone Season Trading Program
FACILITY	6NYCRR 243-1.6 (d)	42	Excess Emission Requirements - CAIR NOx Ozone Season Trading Program
FACILITY	6NYCRR 243-1.6 (e)	43	Recordkeeping and reporting requirements - CAIR NOx Ozone Season Trading Program
FACILITY	6NYCRR 243-2.1	44	Authorization and responsibilities - CAIR Designated Representative
FACILITY	6NYCRR 243-2.4	45	Certificate of representation - CAIR Designated Representative
FACILITY	6NYCRR 243-8.1	46, 47	General Requirements



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FACILITY	6NYCRR 243-8.3	48	- Monitoring and Reporting Out of control periods - Monitoring and Reporting
FACILITY	6NYCRR 243-8.5 (d)	49	Quarterly reports re: recordkeeping and reporting -
FACILITY	6NYCRR 243-8.5 (e)	50	Monitoring and Reporting Compliance certification re: recordkeeping and reporting -
FACILITY	6NYCRR 244-1	51	Monitoring and Reporting CAIR NOx Ozone Annual Trading Program
FACILITY	6NYCRR 244-2	52	General Provisions CAIR Designated Representative for
FACILITY	6NYCRR 244-8	53	CAIR NOx Sources Monitoring and Reporting CAIR NOx Allowances
FACILITY	6NYCRR 245-1	54	CAIR SO2 Trading Program General Provisions
FACILITY	6NYCRR 245-2	55	CAIR Designated Representative for
FACILITY	6NYCRR 245-8	56	CAIR SO2 Sources Monitoring and Reporting for CAIR SO2 Trading Program

Applicability Discussion:

Mandatory Requirements: The following facility-wide regulations are included in all Title V permits:

ECL 19-0301

This section of the Environmental Conservation Law establishes the powers and duties assigned to the Department with regard to administering the air pollution control program for New York State.

6 NYCRR 200.6

Acceptable ambient air quality - prohibits contravention of ambient air quality standards without mitigating measures

6 NYCRR 200.7

Anyone owning or operating an air contamination source which is equipped with an emission control device must operate the control consistent with ordinary and necessary practices, standards and procedures, as per manufacturer's specifications and keep it in a satisfactory state of maintenance and repair so that it operates effectively

6 NYCRR 201-1.4

This regulation specifies the actions and recordkeeping and reporting requirements for any violation of an applicable state enforceable emission standard that results from a necessary scheduled equipment maintenance, start-up, shutdown, malfunction or upset in the event that these are unavoidable.

6 NYCRR 201-1.7



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Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)

An owner and/or operator of an exempt emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains exempt emission sources or units, 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.

6 NYCRR 201-3.3 (a)

The owner and/or operator of a trivial emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains trivial 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.

6 NYCRR 201-5.3 (b)

Lists those contaminants subject to contaminant specific requirements

6 NYCRR Subpart 201-6

This regulation applies to those terms and conditions which are subject to Title V permitting. It establishes the applicability criteria for Title V permits, the information to be included in all Title V permit applications as well as the permit content and terms of permit issuance. This rule also specifies the compliance, monitoring, recordkeeping, reporting, fee, and procedural requirements that need to be met to obtain a Title V permit, modify the permit and demonstrate conformity with applicable requirements as listed in the Title V permit. For permitting purposes, this rule specifies the need to identify and describe all emission units, processes and products in the permit application as well as providing the Department the authority to include this and any other information that it deems necessary to determine the compliance status of the facility.

6 NYCRR 201-6.5 (a) (4)

This mandatory requirement applies to all Title V facilities. It requires the permittee to provide information that the Department may request in writing, within a reasonable time, in order to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The request may include copies of records required to be kept by the permit.

6 NYCRR 201-6.5 (a) (7)

This is a mandatory condition that requires the owner or operator of a facility subject to Title V requirements to pay all applicable fees associated with the emissions from their facility.

6 NYCRR 201-6.5 (a) (8)

This is a mandatory condition for all facilities subject to Title V requirements. It allows the Department to inspect the facility to determine compliance with this permit, including copying records, sampling and monitoring, as necessary.

6 NYCRR 201-6.5 (c)



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This requirement specifies, in general terms, what information must be contained in any required compliance monitoring records and reports. This includes the date, time and place of any sampling, measurements and analyses; who performed the analyses; analytical techniques and methods used as well as any required QA/QC procedures; results of the analyses; the operating conditions at the time of sampling or measurement and the identification of any permit deviations. All such reports must also be certified by the designated responsible official of the facility.

6 NYCRR 201-6.5 (c) (2)

This requirement specifies that all compliance monitoring and recordkeeping is to be conducted according to the terms and conditions of the permit and follow all QA requirements found in applicable regulations. It also requires monitoring records and supporting information to be retained for at least 5 years from the time of sampling, measurement, report or application. Support information is defined as including all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

6 NYCRR 201-6.5 (c) (3) (ii)

This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

6 NYCRR 201-6.5 (d) (5)

This condition applies to every Title V facility subject to a compliance schedule. It requires that reports, detailing the status of progress on achieving compliance with emission standards, be submitted semiannually.

6 NYCRR 201-6.5 (e)

Sets forth the general requirements for compliance certification content; specifies an annual submittal frequency; and identifies the EPA and appropriate regional office address where the reports are to be sent.

6 NYCRR 201-6.5 (f) (6)

This condition allows changes to be made at the facility, without modifying the permit, provided the changes do not cause an emission limit contained in this permit to be exceeded. The owner or operator of the facility must notify the Department of the change. It is applicable to all Title V permits which may be subject to an off permit change.

6 NYCRR 201-6.5 (g)

Permit Exclusion Provisions - specifies those actions, such as administrative orders, suits, claims for natural resource damages, etc that are not affected by the federally enforceable portion of the permit, unless they are specifically addressed by it.

6 NYCRR 202-1.1

This regulation allows the department the discretion to require an emission test for the purpose of determining compliance. Furthermore, the cost of the test, including the preparation of the report are to be borne by the owner/operator of the source.

6 NYCRR 202-2.1

Requires that emission statements shall be submitted on or before April 15th each year for emissions of the previous calENdAr year.

6 NYCRR 202-2.5

This rule specifies that each facility required to submit an emission statement must retain a copy of the



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statement and supporting documentation for at least 5 years and must make the information available to department representatives.

6 NYCRR 211.2

This regulation prohibits any emissions of air contaminants to the outdoor atmosphere which may be detrimental to human, plant or animal life or to property, or which unreasonably interferes with the comfortable enjoyment of life or property regardless of the existence of any specific air quality standard or emission limit.

6 NYCRR 211.3

This condition requires that the opacity (i.e., the degree to which emissions other than water reduce the transmission of light) of the emissions from any air contamination source be less than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent.

6 NYCRR Part 215

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

6 NYCRR 215.2

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

40 CFR Part 68

This Part lists the regulated substances and their applicability thresholds and sets the requirements for stationary sources concerning the prevention of accidental releases of these substances.

40 CFR Part 82, Subpart F

Subpart F requires the reduction of emissions of class I and class II refrigerants to the lowest achievable level during the service, maintenance, repair, and disposal of appliances in accordance with section 608 of the Clean Air Act Amendments of 1990. This subpart applies to any person servicing, maintaining, or repairing appliances except for motor vehicle air conditioners. It also applies to persons disposing of appliances, including motor vehicle air conditioners, refrigerant reclaimers, appliance owners, and manufacturers of appliances and recycling and recovery equipment. Those individuals, operations, or activities affected by this rule, may be required to comply with specified disposal, recycling, or recovery practices, leak repair practices, recordkeeping and/or technician certification requirements.

Facility Specific Requirements

In addition to Title V, KIAC COGENERATION PLANT-JFK AIRPORT has been determined to be subject to the following regulations:

40 CFR 52.21 (j)

BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. Emission and operational limitations required from a BACT determination will have to be entered into the special permit conditions, separately by the permit reviewer.

40 CFR 60.11

This regulation specifies the type of opacity monitoring requirements in relation to compliance with the standards and maintenance requirements.



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40 CFR 60.12

This regulation prohibits an owner or operator from concealing emissions in violation of applicable standards by any means.

40 CFR 60.13

This regulation specifies how monitoring shall be performed and which methods and appendices are used to determine if the monitoring is adequate and in compliance with the regulated standards.

40 CFR 60.14

This regulation defines the term modification and what is and is not considered to be a modification, for the purpose of rule applicability.

40 CFR 60.15

This regulation defines the term reconstruction and what is and is not considered to be a reconstruction project, for the purpose of rule applicability.

40 CFR 60.334

This regulation is for monitoring of operations for turbines. This regulation requires facilities to monitor fuel sulfur and nitrogen on a per delivery basis for distillate oil. Or the facilities can come up with an alternative schedule for natural gas monitoring that will need USEPA's approval.

A NOx CEMS is used to demonstrate compliance with Subpart GG in accordance with a custom NSPS monitoring, recordkeeping and reporting plan pursuant to an alternative fuel schedule with USEPA. 40 CFR 60.13i.

40 CFR 60.334 (a)

This regulation requires the owner or operator of any stationary gas turbine subject to the provisions of 40CFR60 Subpart GG that is using water injection to control NOx emissions to install and operate a continuous monitoring system to monitor and record fuel consumption and the ratio of water to fuel fired in the turbine

40 CFR 60.334 (b)

This regulation requires the owner/operator of the gas turbine to monitor (measure) the sulfur and nitrogen content of the fuel being fired in the turbine.

40 CFR 60.334 (h) (1)

This regulation requires the owner or operator of a gas turbine to monitor the sulfur content of the fuel burned in the turbine.



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40 CFR 60.334 (h) (3)

This regulation allows the owner or operator of a gas turbine to not monitor the fuel for sulfur or nitrogen content if the fuel meets the 40 CFR 60.331(u) definition of natural gas.

40 CFR 60.334 (h) (4)

This regulation allows the owner or operator of a gas turbine, that has a previously approved custom fuel monitoring schedule, to continue to maintain this schedule without submitted another petition to the EPA.

40 CFR 60.4

This condition lists the USEPA Region 2 address for the submittal of all communications to the "Administrator". In addition, all such communications must be copied to NYSDEC Bureau of Quality Assurance (BQA).

40 CFR 60.47b

This regulation is for emission monitoring for sulfur dioxide. This regulation specifies the requirements and procedures for complying with the emissions of sulfur dioxide from industrial-commercial steam generating units. 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 of a facility, 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 oil 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.

40 CFR 60.48b

This regulation specifies the testing method for complying with the particulates emission limit and the nitrogen oxides emission limit.

40 CFR 60.48c (a)

This regulation requires the owner and operator of each affected facility to submit notification of the date of construction or reconstruction, anticipated startup, and actual startup of the facility. The notification must include the following information:

- (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.



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40 CFR 60.7

This regulation is for general provisions - notification and recordkeeping. This regulation specifies and identifies those facilities that are required to install CEMs devices to submit an excess emissions and monitoring systems performance report.

40 CFR 60.7 (a)

This regulation requires any owner or operator subject to a New Source Performance Standard (NSPS) to furnish the Administrator with notification of the dates of: construction or reconstruction, initial startup, any physical or operational changes, commencement of performance testing for continuous monitors and anticipated date for opacity observations as required.

40 CFR 60.7 (b)

This regulation requires the owner or operator to maintain records of the occurrence and duration of any startup, shutdown, or malfunction of the source or control equipment or continuous monitoring system.

40 CFR 60.7 (d)

This condition specifies the required information and format for a summary report form and details when either a summary form and/or excess emissions reports are required.

40 CFR 60.7 (f)

This condition specifies requirements for maintenance of files of all measurements, including continuous monitoring system (CMS), monitoring device, and performance testing measurements; all CMS performance evaluations; all CMS or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices for at least two years.

40 CFR 60.8

This general provision of the New Source Performance Standards or NSPS, sets forth the performance test requirements for all NSPS applicable sources. Basically, all performance tests must be conducted within 60 days after achieving the maximum production rate but no later than 180 days after initial startup using procedures consistent with methods and procedures approved by the Administrator.

40 CFR 60.9

This rule citation allows the public access to any information submitted to the EPA Administrator (or state contact), in conjunction with a project subject to this section of the regulation.

40 CFR 75.20

This section requires the facility to ensure that each emission or opacity monitoring system, including



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automated data acquisition and handling systems, meet the initial certification requirements of this section. It requires that all applicable initial certification tests are completed by the deadlines specified in § 75.4 and prior to use in the Acid Rain Program.

6 NYCRR 201-1.3

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.

6 NYCRR 202-1.5

This rule prohibits the concealment of an emission by the use of air or other gaseous diluents (diluting agents) to achieve compliance with an emission standard which is based on the concentration of a contaminant in the gases emitted through a stack.

6 NYCRR 212.9 (b)

This section refers to Table 2 which specifies the degree of control required for Gases and Liquid Particulate Emissions (Environmental Rating of A, B, C or D) and Solid Particulate Emissions (Environmental Rating A or D) but excluding Volatile Organic Compound Emissions in the New York City Metropolitan Area.

6 NYCRR 227.2 (b) (1)

This regulation is from the 1972 version of Part 227 and still remains as part of New York's SIP. The rule establishes a particulate limit of 0.10 lbs/mmBtu based on a 2 hour average emission for any oil fired stationary combustion installation.

6 NYCRR 227-1.3

This regulation requires a limitation and compliance monitoring for opacity from a stationary combustion installation.

6 NYCRR 227-1.3 (a)

This regulation prohibits any person from operating a stationary combustion installation which emits smoke equal to or greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.

6 NYCRR 227-1.4 (a)

Subdivisions (a) and (f) of this section (227-1.4) have not been approved by EPA and have not been included in the NYS SIP.

6 NYCRR 227-1.4 (c)

This is the applicability section for requiring the use of COMs for monitoring purposes.



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6 NYCRR 227-1.4 (d)

This section allows the owner or operator of a facility subject to this section to use alternative monitoring instead of a COM or CEMS. The owner or operator must show that these systems would not provide accurate readings of emissions; would be too expensive; or cannot be installed due to physical limitations of the stack.

6 NYCRR 227-1.7

General emission data.

6 NYCRR 227-2.4 (e) (2)

Presumptive NO_x RACT emission limits for combined cycle combustion turbines.

6 NYCRR 227-2.5

Compliance options for emission sources subject to NO_x RACT that are not presumptive emission limits.

6 NYCRR 227-2.6

This regulation establishes the compliance testing, monitoring, and reporting requirements for NO_x RACT affected stationary combustion installations.

6 NYCRR 227-2.6 (b)

Any owner or operator of a combustion source subject to reasonably available control technology (RACT) requirements, under this subdivision, for NO_x and either is required or opts to employ a continuous emissions monitoring system (CEMS) must:

- 1) Submit a CEMS monitoring plan for approval by the Department,
- 2) Submit a CEMS certification protocol,
- 3) Meet CEMS monitoring requirements as detailed in this paragraph of this subdivision, and
- 4) Meet CEMS recordkeeping and reporting requirements as detailed in this paragraph of this subdivision.

6 NYCRR 231-1.4

Lowest achievable emission rate (LAER).

6 NYCRR 231-1.6

Air quality impact evaluation.



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6 NYCRR 231-2.7 (b)

The provisions of Subpart 231-2 apply to new or modified major facilities. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. In the New York City metropolitan area, carbon monoxide is also a non-attainment contaminant. In addition, particulate matter less than 10 microns in size (PM-10) is a non-attainment contaminant in Manhattan County.

Pursuant to section 231-2.7, existing major facilities may avoid the requirements of Subpart 231-2 by conducting a netting analysis. This is done by utilizing the following equation:

$$NEI = PEP + CEI - ERCs$$

where:

NEI = net emission increase

PEP = project emission potential for the proposed source project

CEI = creditable emission increases

ERCs = emission reduction credits

All of the creditable emission increases and emission reduction credits must have occurred at the facility for which the netting analysis is being conducted and must have occurred during the contemporaneous period for the proposed project. If the net emission increase is less than the threshold values incorporated into sections 231-2.12 and 231-2.13, then the proposed source project is not subject to the requirements of Subpart 231-2.

6 NYCRR 242-1.5

His regulation requires that the facility hold enough carbon dioxide allowances in their carbon dioxide budget at least equal to the amount of carbon dioxide emitted from the facility each year.

6 NYCRR 243-1.6 (a)

This condition requires the facility to acknowledge that they are subject to this CAIR regulation and provide owner and contact information. It also requires them to update this information as it changes or provide supplemental information at the Departments request.

6 NYCRR 243-1.6 (b)

This condition obligates the owners and operators of the facility to comply with the monitoring and reporting requirements of the CAIR regulations.

6 NYCRR 243-1.6 (c)

This citation explains the general provisions of the Clean Air Interstate Rule (CAIR) NOx Ozone Season Trading Program. This ozone season NOx cap and trade program runs from May 1 through September 30 each year, starting in 2009. Each source shall hold a tonnage equivalent in CAIR NOx Ozone Season allowances that is not less than the total tons of NOx emissions for the ozone season.

6 NYCRR 243-1.6 (d)

This citation for the Clean Air Interstate Rule (CAIR) NOx Ozone Season Trading Program explains



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some of the penalties that can be imposed on a CAIR NO_x Ozone Season source that does not surrender enough CAIR NO_x Ozone Season allowances to cover their NO_x Ozone Season emissions.

6 NYCRR 243-1.6 (e)

This citation for the Clean Air Interstate Rule (CAIR) NO_x Ozone Season Trading Program requires that all reports be submitted as required by this program, and that copies of all records and submissions made for this program be kept on site for at least five years.

6 NYCRR 243-2.1

This citation of the Clean Air Interstate Rule (CAIR) NO_x Ozone Season Trading Program explains that an CAIR NO_x Ozone Season designated representative must be selected to submit, sign and certify each submission on behalf of the source for the this program.

6 NYCRR 243-2.4

This condition describes the required elements of the "Certificate of Representation" for the CAIR program and the certifying language required with submissions to the Department.

6 NYCRR 243-8.1

This citation of the Clean Air Interstate Rule (CAIR) NO_x Ozone Season Trading Program explains that CAIR NO_x Ozone Season Trading Program sources must install, certify and operate monitoring systems the meet the monitoring, recordkeeping, and reporting requirements in Subpart 6 NYCRR 243-8 and in Subpart H of 40 CFR Part 75.

6 NYCRR 243-8.3

This citation of the Clean Air Interstate Rule (CAIR) NO_x Ozone Season Trading Program explains what to do when an emission monitoring system fails quality assurance, quality control, or data validation requirements.

6 NYCRR 243-8.5 (d)

This citation of the Clean Air Interstate Rule (CAIR) NO_x Ozone Season Trading Program explains the what requirements the quarterly reports must meet.

6 NYCRR 243-8.5 (e)

This citation of the Clean Air Interstate Rule (CAIR) NO_x Ozone Season Trading Program explains the compliance certification requirements the source must follow for each quarterly report.

6 NYCRR Part 207

This regulation requires the owner or operator to submit an episode action plan to the Department in accordance with the requirements of 6NYCRR Part 207. The plan must 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.

6 NYCRR Subpart 201-7

This regulation sets forth an emission cap that cannot be exceeded by the facility. The total annual natural gas use shall not exceed 1,034 million standard cubic feet per year, based on a daily rolling basis for the two 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



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with the 249 mmBTU/hr limit for each of the two duct burners.

6 NYCRR Subpart 202-2

This subpart of Part 202 sets forth the general requirements for submitting an annual statement or emissions.

6 NYCRR Subpart 227-1

This regulation applies to any person or facility who owns or operates a stationary combustion installation described in 6 NYCRR 227-1. This regulation specifies the particulate emission limit, the opacity limit, the permissible emission rate for a contaminant in a fuel mixture, the corrective action to take for a requirements.

6 NYCRR Subpart 244-1

This subpart explains the general provisions of the Clean Air Interstate Rule (CAIR) Nitrogen Oxide (NOx) Annual Trading Program. The control period for this annual NOx cap and trade program runs from January 1 to December 31 each year, starting in 2009. Each source shall hold a tonnage equivalent in CAIR NOx allowances that is not less than the total tons of NOx emissions for the control period.

6 NYCRR Subpart 244-2

Each Clean Air Interstate Rule (CAIR) NOx source shall have one CAIR designated representative and may have one alternate representative. Each submission for the CAIR NOx Annual Trading Program shall be submitted, signed, and certified by the CAIR designated representative or the alternate representative.

6 NYCRR Subpart 244-8

The owners, operators, and Clean Air Interstate Rule (CAIR) designated representative of a CAIR NOx unit shall comply with the monitoring, recordkeeping, and reporting requirements as provided in Subpart 6 NYCRR Part 244-8 and in 40 CFR Part 75, Subparts F and G. A certified NOx emission monitoring system must be used to measure NOx emissions. NOx emission reports must be certified and submitted quarterly.

6 NYCRR Subpart 245-1

This subpart explains the general provisions of the Clean Air Interstate Rule (CAIR) sulfur dioxide (SO2) Trading Program. The control period for this annual SO2 cap and trade program runs from January 1 to December 31, starting in the year 2010. Each source shall hold a tonnage equivalent in CAIR SO2 allowances that is not less than the total tons of SO2 emissions for the control period.

6 NYCRR Subpart 245-2

Each Clean Air Interstate Rule (CAIR) SO2 source shall have one CAIR designated representative and may have one alternate representative. Each submission for the CAIR SO2 Trading Program shall be submitted, signed, and certified by the CAIR designated representative or the alternate representative.



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6 NYCRR Subpart 245-8

The owners, operators, and 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. A certified SO2 emission monitoring system must be used to measure SO2 emissions. SO2 emission reports must be certified and submitted quarterly.

Non Applicability Analysis

List of non-applicable rules and regulations:

Location Facility/EU/EP/Process/ES	Regulation	Short Description
U-00002/E0002	40 CFR 52.21 (j)	Best Available Control Technology
U-00001/E0001	40 CFR Part 68	Chemical accident prevention provisions
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.		
U-00002/E0002	40 CFR Part 68	Chemical accident prevention provisions
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.		
U-00001/E0001	40 CFR Part 82	Protection of Stratospheric Ozone
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 than 50 pounds of listed refrigerate.		
U-00002/E0002	40 CFR Part 82	Protection of Stratospheric Ozone
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 than 50 pounds of listed refrigerate.		

NOTE: Non-applicability determinations are cited as a permit condition under 6 NYCRR Part 201-6.5(g). This information is optional

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and provided only if the applicant is seeking to obtain formal confirmation, within an issued Title V permit, that specified activities are not subject to the listed federal applicable or state only requirement. The applicant is seeking to obtain verification that a requirement does not apply for the stated reason(s) and the Department has agreed to include the non-applicability determination in the issued Title V permit which in turn provides a shield against any potential enforcement action.

Compliance Certification

Summary of monitoring activities at KIAC COGENERATION PLANT-JFK AIRPORT:

Location Facility/EU/EP/Process/ES	Cond No.	Type of Monitoring

FACILITY	57	record keeping/maintenance procedures
FACILITY	58	work practice involving specific operations
U-00001/E0001	80	record keeping/maintenance procedures
U-00001/E0001	81	work practice involving specific operations
U-00001/E0001	82	record keeping/maintenance procedures
U-00001/E0001	83	monitoring of process or control device parameters as surrogate
U-00001/E0001	84	record keeping/maintenance procedures
U-00001/E0001/GT1/DB001	95	continuous emission monitoring (cem)
U-00001/E0001/GT1/DB001	96	continuous emission monitoring (cem)
U-00001/E0001/GT1/DB001	97	record keeping/maintenance procedures
U-00001/E0001/GT1/DB001	98	work practice involving specific operations
U-00001/E0001/GT3/DB001	107	continuous emission monitoring (cem)
U-00001/E0001/GT3/DB001	108	continuous emission monitoring (cem)
U-00001/E0001/GT3/DB001	109	record keeping/maintenance procedures
U-00001/E0001/GT3/DB001	110	work practice involving specific operations
U-00001/E0001/GT5/GT001	115	continuous emission monitoring (cem)
U-00001/E0001/GT5/GT001	116	continuous emission monitoring (cem)
U-00001/E0001/GT7/GT001	127	continuous emission monitoring (cem)
U-00001/E0001/GT7/GT001	128	continuous emission monitoring (cem)
U-00002/E0002	132	record keeping/maintenance procedures
U-00002/E0002	133	record keeping/maintenance procedures
U-00002/E0002	134	monitoring of process or control device parameters as surrogate
U-00002/E0002	135	record keeping/maintenance procedures
U-00002/E0002/GT2/DB002	146	continuous emission monitoring (cem)
U-00002/E0002/GT2/DB002	147	continuous emission monitoring (cem)
U-00002/E0002/GT2/DB002	148	record keeping/maintenance procedures
U-00002/E0002/GT2/DB002	149	work practice involving specific operations
U-00002/E0002/GT4/DB002	158	continuous emission monitoring (cem)
U-00002/E0002/GT4/DB002	159	continuous emission monitoring (cem)
U-00002/E0002/GT4/DB002	160	record keeping/maintenance procedures
U-00002/E0002/GT4/DB002	161	work practice involving specific operations
U-00002/E0002/GT6/GT002	166	continuous emission monitoring (cem)
U-00002/E0002/GT6/GT002	167	continuous emission monitoring (cem)
U-00002/E0002/GT8/GT002	176	continuous emission monitoring (cem)
U-00002/E0002/GT8/GT002	177	continuous emission monitoring (cem)
U-00002/E0002/GT8/GT002	178	work practice involving specific operations
FACILITY	65	record keeping/maintenance procedures
U-00001/E0001	85	record keeping/maintenance procedures
U-00002/E0002	136	record keeping/maintenance procedures
U-00001/E0001	86	record keeping/maintenance procedures
U-00002/E0002	137	record keeping/maintenance procedures

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FACILITY	70	record keeping/maintenance procedures
U-00001/E0001/GT7/GT001	129	record keeping/maintenance procedures
U-00002/E0002/GT8/GT002	179	record keeping/maintenance procedures
FACILITY	71	record keeping/maintenance procedures
U-00001/E0001	87	record keeping/maintenance procedures
U-00002/E0002	138	record keeping/maintenance procedures
U-00001/E0001	88	monitoring of process or control device parameters as surrogate
U-00002/E0002	139	monitoring of process or control device parameters as surrogate
U-00001/E0001	89	record keeping/maintenance procedures
U-00002/E0002	140	record keeping/maintenance procedures
FACILITY	72	monitoring of process or control device parameters as surrogate
FACILITY	73	monitoring of process or control device parameters as surrogate
FACILITY	74	record keeping/maintenance procedures
FACILITY	75	record keeping/maintenance procedures
FACILITY	24	record keeping/maintenance procedures
FACILITY	182	work practice involving specific operations
FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
FACILITY	28	work practice involving specific operations
FACILITY	30	record keeping/maintenance procedures
FACILITY	7	record keeping/maintenance procedures
U-00001/E0001/GT3/DB001	192	intermittent emission testing
U-00001/E0001/GT3/GT001	194	intermittent emission testing
U-00001/E0001/GT7/GT001	196	intermittent emission testing
U-00002/E0002/GT4/DB002	199	intermittent emission testing
U-00002/E0002/GT4/GT002	201	intermittent emission testing
U-00002/E0002/GT8/GT002	203	intermittent emission testing
U-00001/E0001	79	intermittent emission testing
U-00002/E0002	131	intermittent emission testing
FACILITY	32	record keeping/maintenance procedures
U-00001/E0001/GT3	99	work practice involving specific operations
U-00001/E0001/GT3	100	intermittent emission testing
U-00001/E0001/GT7	117	work practice involving specific operations
U-00001/E0001/GT7	118	intermittent emission testing
U-00002/E0002/GT4	150	intermittent emission testing
U-00002/E0002/GT4	151	work practice involving specific operations
U-00002/E0002/GT8	168	work practice involving specific operations
U-00002/E0002/GT8	169	intermittent emission testing
U-00001/E0001/GT3	101	record keeping/maintenance procedures
U-00001/E0001/GT7	119	record keeping/maintenance procedures
U-00002/E0002/GT4	152	record keeping/maintenance procedures
U-00002/E0002/GT8	170	record keeping/maintenance procedures
FACILITY	33	monitoring of process or control device parameters as surrogate
U-00001/E0001/GT3	102	monitoring of process or control device parameters as surrogate
U-00001/E0001/GT7	120	monitoring of process or control device parameters as surrogate
U-00002/E0002/GT4	153	monitoring of process or control device parameters as surrogate
U-00002/E0002/GT8	171	monitoring of process or control device parameters as surrogate
FACILITY	184	monitoring of process or control device parameters as surrogate
FACILITY	34	record keeping/maintenance procedures
U-00001/E0001	78	record keeping/maintenance procedures
U-00002/E0002	130	record keeping/maintenance procedures
FACILITY	35	record keeping/maintenance procedures
U-00001/E0001/GT7	121	work practice involving specific operations
U-00001/E0001/GT7	122	intermittent emission testing



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U-00001/E0001/GT1/DB001	191	continuous emission monitoring (cem)
U-00001/E0001/GT3/DB001	193	continuous emission monitoring (cem)
U-00001/E0001/GT5/GT001	195	continuous emission monitoring (cem)
U-00001/E0001/GT7/GT001	197	continuous emission monitoring (cem)
U-00002/E0002/GT2/DB002	198	continuous emission monitoring (cem)
U-00002/E0002/GT4/DB002	200	continuous emission monitoring (cem)
U-00002/E0002/GT6/GT002	202	continuous emission monitoring (cem)
U-00002/E0002/GT8/GT002	204	continuous emission monitoring (cem)
FACILITY	185	record keeping/maintenance procedures
FACILITY	36	record keeping/maintenance procedures
FACILITY	37	record keeping/maintenance procedures
FACILITY	186	record keeping/maintenance procedures
FACILITY	187	record keeping/maintenance procedures
FACILITY	38	monitoring of process or control device parameters as surrogate
U-00001/E0001/GT1/DB001	91	continuous emission monitoring (cem)
U-00001/E0001/GT1/DB001	92	continuous emission monitoring (cem)
U-00001/E0001/GT1/DB001	93	continuous emission monitoring (cem)
U-00001/E0001/GT1/DB001	94	continuous emission monitoring (cem)
U-00001/E0001/GT3/DB001	103	continuous emission monitoring (cem)
U-00001/E0001/GT3/DB001	104	continuous emission monitoring (cem)
U-00001/E0001/GT3/DB001	105	continuous emission monitoring (cem)
U-00001/E0001/GT3/DB001	106	continuous emission monitoring (cem)
U-00001/E0001/GT5/GT001	111	continuous emission monitoring (cem)
U-00001/E0001/GT5/GT001	112	continuous emission monitoring (cem)
U-00001/E0001/GT5/GT001	113	continuous emission monitoring (cem)
U-00001/E0001/GT5/GT001	114	continuous emission monitoring (cem)
U-00001/E0001/GT7/GT001	123	continuous emission monitoring (cem)
U-00001/E0001/GT7/GT001	124	continuous emission monitoring (cem)
U-00001/E0001/GT7/GT001	125	continuous emission monitoring (cem)
U-00001/E0001/GT7/GT001	126	continuous emission monitoring (cem)
U-00002/E0002/GT2/DB002	142	continuous emission monitoring (cem)
U-00002/E0002/GT2/DB002	143	continuous emission monitoring (cem)
U-00002/E0002/GT2/DB002	144	continuous emission monitoring (cem)
U-00002/E0002/GT2/DB002	145	continuous emission monitoring (cem)
U-00002/E0002/GT4/DB002	154	continuous emission monitoring (cem)
U-00002/E0002/GT4/DB002	155	continuous emission monitoring (cem)
U-00002/E0002/GT4/DB002	156	continuous emission monitoring (cem)
U-00002/E0002/GT4/DB002	157	continuous emission monitoring (cem)
U-00002/E0002/GT6/GT002	162	continuous emission monitoring (cem)
U-00002/E0002/GT6/GT002	163	continuous emission monitoring (cem)
U-00002/E0002/GT6/GT002	164	continuous emission monitoring (cem)
U-00002/E0002/GT6/GT002	165	continuous emission monitoring (cem)
U-00002/E0002/GT8/GT002	172	continuous emission monitoring (cem)
U-00002/E0002/GT8/GT002	173	continuous emission monitoring (cem)
U-00002/E0002/GT8/GT002	174	continuous emission monitoring (cem)
U-00002/E0002/GT8/GT002	175	continuous emission monitoring (cem)
FACILITY	189	record keeping/maintenance procedures
FACILITY	190	record keeping/maintenance procedures
FACILITY	53	record keeping/maintenance procedures
FACILITY	56	record keeping/maintenance procedures

Basis for Monitoring

This facility is subject to the requirements of Title V. The facility is required, under the provisions of 6 NYCRR Subpart 201-6, to submit semiannual compliance reports and an annual Compliance Certification. This facility is required to comply with the following monitoring conditions:

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Condition 28 for 6 NYCRR 201-7, Capping out of 40 CFR 52.21(j): This is a facility-wide condition for the two duct burners (DB001 & DB002) for Work Practice Involving Specific Operations. The two duct burners are limited to natural gas firing. This condition sets forth an emission cap that cannot be exceeded by the facility. The total annual natural gas use shall not exceed 1,034 million standard cubic feet per year, based on a daily rolling basis for the two duct burners, Emission Sources DB001 & DB002.

Condition 33 for 6 NYCRR 227-1.3(a): This is a facility-wide condition for Monitoring of Process or Control Device Parameters as Surrogate for Particulates. This condition prohibits any person from operating a stationary combustion installation which emits smoke equal to or greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.

Condition 38 for 6 NYCRR 231-2.7(b): This is a facility-wide condition for the Monitoring of Process or Control Device Parameters as Surrogate for Oxides of Nitrogen. This condition applies to Emission Sources GT001 & GT002, and Processes GT3, GT7, GT4 & GT8, which are the distillate oil processes. The two combustion turbines (Emission Sources GT001 & GT002) may not operate at less than 50% inlet loading 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.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the minimum 50% inlet loading for the two combustion turbines (Emission Sources GT001 & GT002) required from a LAER determination in this permit condition.

Condition 58 for 40 CFR 52.21(j): This is a facility-wide condition for Work Practice Involving specific Operations for Sulfur Dioxide. 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.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that

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exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This 0.173 percent sulfur content by weight maximum operational limitations is required from a BACT determination.

Condition 72 for 40 CFR 60.334(h)(1), NSPS Subpart GG: This is a facility-wide condition for the Monitoring of Process or Control Device Parameters as Surrogate for Sulfur Dioxide. This condition applies to Emission Sources GT001 & GT002, and Processes GT3, GT7, GT4 & GT8, which are the distillate oil processes.

This condition requires the owner or operator of a gas turbine to monitor the sulfur content of the fuel burned in the turbine, which has a limit of 0.173 percent by weight as per the March 4, 1994 EPA Approved Custom Fuel Monitoring Schedule. The facility is required to sample the light distillate fuel used for the sulfur content once per 24-hour period during natural gas curtailment periods when firing on distillate fuel oil.

Condition 73 for 40 CFR 60.334(h)(3), NSPS Subpart GG: This is a facility-wide condition for the Monitoring of Process or Control Device Parameters as Surrogate for Sulfur Dioxide. This condition applies to Emission Sources DB001 & DB002, and Processes GT1, GT5, GT2 & GT6, which are the natural gas processes. The sulfur content in the natural gas has a limit of 16.0 ppm. This condition allows the owner or operator of a gas turbine to not monitor the fuel for sulfur or nitrogen content if the fuel meets the 40 CFR 60.331(u) definition of natural gas.

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.

Condition 79 for 6 NYCRR 227.2(b)(1): This condition is an emission unit level and emission point level condition for Intermittent Emission Testing for Particulates that applies to EU: U-00001 and EP: E0001.

This condition is from the 1972 version of Part 227 and still remains as part of New York's SIP. The condition establishes a particulate limit of 0.10 pounds per million BTUs based on a 2 hour average emission for any oil fired stationary combustion installation.

Condition 81 for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level and emission point level condition for Work Practice Involving Specific Operations for Oxides of Nitrogen that applies to EU: U-00001 and EP: E0001.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that



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exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the maximum amount of light distillate fuel oil use in each combustion turbine unit to be 4,800,000 gallons per year. This annual limit is based on a daily rolling average. This operational limitation is required from a BACT determination.

Condition 83 for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level and emission point level condition for Monitoring of Process or Control Device Parameters as Surrogate for Particulates that applies to EU: U-00001 and EP: E0001.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 120,000 BTUs/gal minimum operational heat content or the heating value of the light distillate oil that is required from a BACT determination in this permit condition. .

Condition 88 for 40 CFR 60.334, NSPS Subpart GG: This condition is an emission unit level and emission point level condition for Monitoring of Process or Control Device Parameters as Surrogate for Oxides of Nitrogen that applies to EU: U-00001 and EP: E0001.

This condition specifies the Water-To-Fuel Mass Ratio, which is a minimum of 0.282 pounds of water per pound of fuel.

This condition is for monitoring of operations for turbines. This condition requires facilities to monitor fuel sulfur and nitrogen on a per delivery basis for distillate oil. Or the facilities can come up with an alternative schedule for natural gas monitoring that will need USEPA's approval.

A NO_x CEMS is used to demonstrate compliance with Subpart GG in accordance with a custom NSPS monitoring, recordkeeping and reporting plan pursuant to an alternative fuel schedule with USEPA 40 CFR 60.13i.

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 NO_x 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.

Condition 91 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Carbon Monoxide that applies to EU: U-00001, EP: E0001 Proc:

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GT1 and ES: DB001.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 5.0 ppm CO emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 92 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001 Proc: GT1 and ES: DB001.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 9.0 ppm NO_x emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 93 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001 Proc: GT1 and ES: DB001.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the



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severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 20.08 pounds per hour NO_x emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 94 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Carbon Monoxide that applies to EU: U-00001, EP: E0001 Proc: GT1 and ES: DB001.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 8.00 pounds per hour CO emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 95 for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Ammonia that applies to EU: U-00001, EP: E0001 Proc: GT1 and ES: DB001.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 10.0 ppm Ammonia emission limitation using CEMS that is required from a BACT determination in this permit condition.

Condition 96 for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Ammonia that applies to EU: U-00001, EP: E0001 Proc: GT1 and ES: DB001.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This



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condition specifies the 9.19 pounds per hour Ammonia emission limitation using CEMS that is required from a BACT determination in this permit condition.

Condition 98 for for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level, emission point level, process level and emission source condition for Work Practice Involving Specific Operations for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001 Proc: GT1 and ES: DB001.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the

249 million Btus per hour operational limitation for the duct burner for NO_x emission that is required from a BACT determination in this permit condition.

The duct burners are limited to natural gas firing. The duct burners are limited to a maximum gross heat input of 249 MM BTU/hr that is required from a BACT determination in this permit condition for NO_x emission limit.

Condition 99 for 6 NYCRR Subpart 227-1: This condition is an emission unit level, emission point level and process level condition for Work Practice Involving Specific Operations for Particulates that applies to EU: U-00001, EP: E0001 and Proc: GT1.

This condition applies to any person or facility who owns or operates a stationary combustion installation described in 6 NYCRR 227-1. This condition specifies the particulate emission limit, the opacity limit, the permissible emission rate for a contaminant in a fuel mixture, the corrective action to take for a violator of this Part, pertinent data concerning emissions, reference test methods and stack monitoring requirements.

This condition specifies the 120,000 Btus per gallon minimum heat content in the distillate fuel oil as not to exceed the 0.1 lb/MM BTU Particulates limit.

Condition 100 for 6 NYCRR Subpart 227-1: This condition is an emission unit level, emission point level and process level condition for Intermittent Emission Testing for Particulates that applies to EU: U-00001, EP: E0001 and Proc: GT3.

This condition applies to any person or facility who owns or operates a stationary combustion installation described in 6 NYCRR 227-1. This condition specifies the particulate emission limit, the opacity limit, the permissible emission rate for a contaminant in a fuel mixture, the corrective action to take for a violator of this Part, pertinent data concerning emissions, reference test methods and stack monitoring requirements.



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This condition specifies the 0.1 lb/MM BTU Particulates limit when the combustion turbine is firing distillate fuel oil.

Condition 102 for 6 NYCRR 227-1.3(a): This condition is an emission unit level, emission point level and process level condition for Monitoring of Process or Control Device Parameters as Surrogate for Particulates that applies to EU: U-00001, EP: E0001 and Proc: GT3.

This condition prohibits any person from operating a stationary combustion installation which emits smoke equal to or greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.

Condition 103 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001 Proc: GT3 and ES: DB001.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 36.46 pounds per hour NO_x emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 104 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Carbon Monoxide that applies to EU: U-00001, EP: E0001 Proc: GT3 and ES: DB001.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.



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This condition specifies the 8.00 pounds per hour CO emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 105 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Carbon Monoxide that applies to EU: U-00001, EP: E0001 Proc: GT3 and ES: DB001.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 5.0 ppm CO emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 106 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001 Proc: GT3 and ES: DB001.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 18.0 ppm NO_x emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 107 for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Ammonia that applies to EU: U-00001, EP: E0001 Proc: GT3 and ES: DB001.

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This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 9.25 pounds per hour Ammonia emission limitation using CEMS that is required from a BACT determination in this permit condition.

Condition 108 for for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Ammonia that applies to EU: U-00001, EP: E0001 Proc: GT3 and ES: DB001.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 10.0 ppm Ammonia emission limitation using CEMS that is required from a BACT determination in this permit condition.

Condition 110 for for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level, emission point level, process level and emission source condition for Work Practice Involving Specific Operations for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001 Proc: GT3 and ES: DB001.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 249 million Btus per hour operational limitation for the duct burner for NO_x emission that is required from a BACT determination in this permit condition.

The duct burners are limited to natural gas firing. The duct burners are limited to a maximum gross heat input of 249 MM BTU/hr that is required from a BACT determination in this permit condition for NO_x emission limit.

Condition 111 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001 Proc: GT5 and ES: GT001.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002,



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the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 9.0 ppm NO_x emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 112 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Carbon Monoxide that applies to EU: U-00001, EP: E0001 Proc: GT5 and ES: GT001.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 5.0 ppm CO emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 113 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Carbon Monoxide that applies to EU: U-00001, EP: E0001 Proc: GT5 and ES: GT001.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 5.20 pounds per hour CO emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 114 for 6 NYCRR 231-2.7(b): This condition is an emission unit level,

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emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001 Proc: GT5 and ES: GT001.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 16.10 pounds per hour NO_x emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 115 for for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Ammonia that applies to EU: U-00001, EP: E0001 Proc: GT5 and ES: GT001.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 10.0 ppm Ammonia emission limitation using CEMS that is required from a BACT determination in this permit condition.

Condition 116 for for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Ammonia that applies to EU: U-00001, EP: E0001 Proc: GT5 and ES: GT001.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 6.61 pounds per hour Ammonia emission limitation using CEMS that is required from a BACT determination in this permit condition.

Condition 117 for 6 NYCRR Subpart 227-1: This condition is an emission unit level, emission point level and process level condition for Work Practice Involving Specific Operations for Particulates that applies to EU: U-00001, EP: E0001 and Proc: GT7.

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This condition applies to any person or facility who owns or operates a stationary combustion installation described in 6 NYCRR 227-1. This condition specifies the particulate emission limit, the opacity limit, the permissible emission rate for a contaminant in a fuel mixture, the corrective action to take for a violator of this Part, pertinent data concerning emissions, reference test methods and stack monitoring requirements.

This condition specifies the 120,000 Btus per gallon minimum heat content in the distillate fuel oil as not to exceed the 0.1 lb/MM BTU Particulates limit.

Condition 118 for 6 NYCRR Subpart 227-1: This condition is an emission unit level, emission point level and process level condition for Intermittent Emission Testing for Particulates that applies to EU: U-00001, EP: E0001 and Proc: GT7.

This condition applies to any person or facility who owns or operates a stationary combustion installation described in 6 NYCRR 227-1. This condition specifies the particulate emission limit, the opacity limit, the permissible emission rate for a contaminant in a fuel mixture, the corrective action to take for a violator of this Part, pertinent data concerning emissions, reference test methods and stack monitoring requirements.

This condition specifies the 0.1 lb/MM BTU Particulates limit when the combustion turbine is firing distillate fuel oil.

Condition 120 for 6 NYCRR 227-1.3(a): This condition is an emission unit level, emission point level and process level condition for Monitoring of Process or Control Device Parameters as Surrogate that applies to EU: U-00001, EP: E0001 and Proc: GT7.

This condition prohibits any person from operating a stationary combustion installation which emits smoke equal to or greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.

Condition 121 for 6 NYCRR 227-1.7: This condition is an emission unit level, emission point level and process level condition for Work Practice Involving Specific Operations for Particulates that applies to EU: U-00001, EP: E0001 and Proc: GT7

This condition applies to any person or facility who owns or operates a stationary combustion installation described in 6 NYCRR 227-1. This condition specifies the particulate emission limit, the opacity limit, the permissible emission rate for a contaminant in a fuel mixture, the corrective action to take for a violator of this Part, pertinent data concerning emissions, reference test methods and stack monitoring requirements.

This condition specifies the 120,000 Btus per gallon minimum heat content in the distillate fuel oil as not to exceed the 0.1 lb/MM BTU Particulates limit.

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Condition 122 for 6 NYCRR Subpart 227-1.7: This condition is an emission unit level, emission point level and process level condition for Intermittent Emission Testing for Particulates that applies to EU: U-00001, EP: E0001 and Proc: GT7.

This condition applies to any person or facility who owns or operates a stationary combustion installation described in 6 NYCRR 227-1. This condition specifies the particulate emission limit, the opacity limit, the permissible emission rate for a contaminant in a fuel mixture, the corrective action to take for a violator of this Part, pertinent data concerning emissions, reference test methods and stack monitoring requirements.

This condition specifies the 0.1 lb/MM BTU Particulates limit when the combustion turbine is firing distillate fuel oil.

Condition 123 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001 Proc: GT7 and ES: GT001.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 18.0 ppm NO_x emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 124 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001 Proc: GT7 and ES: GT001.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the



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severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 32.48 pounds per hour NO_x emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 125 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Carbon Monoxide that applies to EU: U-00001, EP: E0001 Proc: GT7 and ES: GT001.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 5.20 pounds per hour CO emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 126 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Carbon Monoxide that applies to EU: U-00001, EP: E0001 Proc: GT7 and ES: GT001.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 5.0 ppm CO emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 127 for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission



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This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 6.67.pounds per hour Ammonia emission limitation using CEMS that is required from a BACT determination in this permit condition.

Condition 128 for for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Ammonia that applies to EU: U-00001, EP: E0001 Proc: GT7 and ES: GT001.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 10.0 ppm Ammonia emission limitation using CEMS that is required from a BACT determination in this permit condition.

Condition 131 for 6 NYCRR 227.2(b)(1): This condition is an emission unit level and emission point level condition for Intermittent Emission Testing for Particulates that applies to EU: U-00002 and EP: E0002.

This condition is from the 1972 version of Part 227 and still remains as part of New York's SIP. The condition establishes a particulate limit of 0.10 pounds per million Btus based on a 2 hour average emission for any oil fired stationary combustion installation.

Condition 134 for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level and emission point level condition for Monitoring of Process or Control Device Parameters as Surrogate for Particulates that applies to EU: U-00002 and EP: E0002 Proc: GT1 and ES: DB001.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 120,000 BTUs/gal minimum heat content operational limitation that is required from a BACT determination in this permit condition.

Condition 137 for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level and an emission point level condition for Work Practice Involving Specific Operations for Oxides of Nitrogen that applies to EU: U-00001 and EP: E0001.

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This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 4,800,000 gallons per year of distillate fuel oil operational limitation that is required from BACT determination in this permit condition.

Condition 139 for 40 CFR 60.334, NSPS Subpart GG: This condition is an emission unit level and emission point level condition for Monitoring of Process or Control Device Parameters as Surrogate for Oxides of Nitrogen that applies to EU: U-00002 and EP: E0002.

The Water-To-Fuel Mass Ratio is a minimum of 0.282 pounds of water per pound of fuel.

This condition is for monitoring of operations for turbines. This condition requires facilities to monitor fuel sulfur and nitrogen on a per delivery basis for distillate oil. Or the facilities can come up with an alternative schedule for natural gas monitoring that will need USEPA's approval.

A NO_x CEMS is used to demonstrate compliance with Subpart GG in accordance with a custom NSPS monitoring, recordkeeping and reporting plan pursuant to an alternative fuel schedule with USEPA. 40 CFR 60.13i.

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 NO_x 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.

Condition 142 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00002, EP: E0002 Proc: GT2 and ES: DB002.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability



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threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 9.0 ppm NO_x emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 143 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Carbon Monoxide that applies to EU: U-00002, EP: E0002 Proc: GT2 and ES: DB002.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 5.0 ppm CO emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 144 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00002, EP: E0002 Proc: GT2 and ES: DB002.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 20.08 pounds per hour NO_x emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 145 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Carbon Monoxide that applies to EU: U-00002, EP: E0002 Proc:



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GT2 and ES: DB002.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 8.00 pounds per hour CO emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 146 for for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Ammonia that applies to EU: U-00002, EP: E0002 Proc: GT2 and ES: DB002.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 10.0 ppm Ammonia emission limitation using CEMS that is required from a BACT determination in this permit condition.

Condition 147 for for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Ammonia that applies to EU: U-00002, EP: E0002 Proc: GT2 and ES: DB002.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 9.19 pounds per hour Ammonia emission limitation using CEMS that is required from a BACT determination in this permit condition.

Condition 149 for for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level, emission point level, process level and emission source condition for Work Practice Involving Specific Operations for Oxides of Nitrogen that applies to EU: U-00002, EP: E0002 Proc: GT2 and ES: DB002.

This condition is for BACT (Best Available Control Technology). BACT determinations

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are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 249 million Btus per hour operational limitation for the duct burner for NO_x emission that is required from a BACT determination in this permit condition.

The duct burners are limited to natural gas firing. The duct burners are limited to a maximum gross heat input of 249 MM BTU/hr that is required from a BACT determination in this permit condition for NO_x emission limit.

Condition 150 for 6 NYCRR Subpart 227-1: This condition is an emission unit level, emission point level and process level condition for Intermittent Emission Testing for Particulates that applies to EU: U-00002, EP: E0002 and Proc: GT4.

This condition applies to any person or facility who owns or operates a stationary combustion installation described in 6 NYCRR 227-1. This condition specifies the particulate emission limit, the opacity limit, the permissible emission rate for a contaminant in a fuel mixture, the corrective action to take for a violator of this Part, pertinent data concerning emissions, reference test methods and stack monitoring requirements.

This condition specifies the 0.1 lb/MM BTU Particulates limit when the combustion turbine is firing distillate fuel oil.

Condition 151 for 6 NYCRR Subpart 227-1: This condition is an emission unit level, emission point level and process level condition for Work Practice Involving Specific Operations for Particulates that applies to EU: U-00002, EP: E0002 and Proc: GT4.

This condition applies to any person or facility who owns or operates a stationary combustion installation described in 6 NYCRR 227-1. This condition specifies the particulate emission limit, the opacity limit, the permissible emission rate for a contaminant in a fuel mixture, the corrective action to take for a violator of this Part, pertinent data concerning emissions, reference test methods and stack monitoring requirements.

This condition specifies the 120,000 Btus per gallon minimum heat content in the distillate fuel oil as not to exceed the 0.1 lb/MM BTU Particulates limit.

Condition 153 for 6 NYCRR 227-1.3(a): This condition is an emission unit level, emission point level and process level condition for Monitoring of Process or Control Device Parameters as Surrogate for Particulates that applies to EU: U-00002, EP: E0002 and Proc: GT4.

This condition prohibits any person from operating a stationary combustion installation



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which emits smoke equal to or greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.

Condition 154 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00002, EP: E0002 Proc: GT4 and ES: DB002.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 36.46 pounds per hour NO_x emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 155 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00002, EP: E0002 Proc: GT4 and ES: DB002.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 18.0 ppm NO_x emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 156 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Carbon Monoxide that applies to EU: U-00002, EP: E0002 Proc: GT4 and ES: DB002.

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The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 5.0 ppm CO emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 157 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Carbon Monoxide that applies to EU: U-00002, EP: E0002 Proc: GT4 and ES: GT002.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 8.00 pounds per hour CO emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 158 for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Ammonia that applies to EU: U-00002, EP: E0002 Proc: GT4 and ES: DB002.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 9.25 pounds per hour Ammonia emission limitation using CEMS that is required from a BACT determination in this permit condition.

Condition 159 for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level, emission point level, process level and emission source condition for Continuous



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Emission Monitoring (CEM) for Ammonia that applies to EU: U-00002, EP: E0002 Proc: GT4 and ES: DB002.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 10.00 ppm Ammonia emission limitation using CEMS that is required from a BACT determination in this permit condition.

Condition 161 for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level, emission point level, process level and emission source condition for Work Practice Involving Specific Operations for Oxides of Nitrogen that applies to EU: U-00002, EP: E0002 Proc: GT4 and ES: DB002.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 249 million Btus per hour limit operational limitation for the duct burner for NO_x emission that is required from a BACT determination in this permit condition.

The duct burners are limited to natural gas firing. The duct burners are limited to a maximum gross heat input of 249 MM BTU/hr that is required from a BACT determination in this permit condition for NO_x emission limit.

Condition 162 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00002, EP: E0002 Proc: GT6 and ES: GT002.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 9.0 ppm NO_x emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 163 for 6 NYCRR 231-2.7(b): This condition is an emission unit level,



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emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Carbon Monoxide that applies to EU: U-00002, EP: E0002 Proc: GT6 and ES: GT002.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 5.0 ppm CO emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 164 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Carbon Monoxide that applies to EU: U-00002, EP: E0002 Proc: GT6 and ES: GT002.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 5.20 pounds per hour CO emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 165 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00002, EP: E0002 Proc: GT6 and ES: GT002.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and



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because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 16.10 pounds per hour NO_x emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 166 for for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Ammonia that applies to EU: U-00002, EP: E0002 Proc: GT6 and ES: GT002.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 10.0 ppm limit Ammonia emission limitation using CEMS that is required from a BACT determination in this permit condition.

Condition 167 for for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Ammonia that applies to EU: U-00002, EP: E0002 Proc: GT6 and ES: GT002.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 6.61.pounds per hour Ammonia emission limitation using CEMS that is required from a BACT determination in this permit condition.

Condition 168 for 6 NYCRR Subpart 227-1: This condition is an emission unit level, emission point level and process level condition for Work Practice Involving Specific Operations for Particulates that applies to EU: U-00002 and EP: E0002 Proc: GT8.

This condition applies to any person or facility who owns or operates a stationary combustion installation described in 6 NYCRR 227-1. This condition specifies the particulate emission limit, the opacity limit, the permissible emission rate for a contaminant in a fuel mixture, the corrective action to take for a violator of this Part, pertinent data concerning emissions, reference test methods and stack monitoring requirements.

This condition specifies the 120,000 Btus per gallon minimum heat content in the distillate fuel oil as not to exceed the 0.1 lb/MM BTU Particulates limit.

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Condition 169 for 6 NYCRR Subpart 227-1: This condition is an emission unit level, emission point level and process level condition for Intermittent Emission Testing for Particulates that applies to EU: U-00002 and EP: E0002 Proc: GT8. This condition applies to any person or facility who owns or operates a stationary combustion installation described in 6 NYCRR 227-1. This condition specifies the particulate emission limit, the opacity limit, the permissible emission rate for a contaminant in a fuel mixture, the corrective action to take for a violator of this Part, pertinent data concerning emissions, reference test methods and stack monitoring requirements.

This condition specifies the 0.1 lb/MM BTU Particulates limit when the combustion turbine is firing distillate fuel oil.

Condition 171 for 6 NYCRR 227-1.3(a): This condition is an emission unit level, emission point level and process level condition for Monitoring of Process or Control Device Parameters as Surrogate that applies to EU: U-00002 and EP: E0002 Proc: GT8.

This condition prohibits any person from operating a stationary combustion installation which emits smoke equal to or greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.

Condition 172 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00002, EP: E0002 Proc: GT8 and ES: GT002.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 32.48 pounds per hour NO_x emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 173 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Carbon Monoxide that applies to EU: U-00002, EP: E0002 Proc: GT8 and ES: GT002.

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The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 5.20 pounds per hour CO emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 174 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00002, EP: E0002 Proc: GT8 and ES: GT002.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 18.0 ppm NO_x emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 175 for 6 NYCRR 231-2.7(b): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Carbon Monoxide that applies to EU: U-00002, EP: E0002 Proc: GT8 and ES: GT002.

The provisions of Subpart 231-2 apply to new or modified major facilities after November 15, 1992 and LAER (Lowest Achievable Emission Rate) is required. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. As of November 2002, the CO has been re-designated from non-attainment to attainment pollutant in the severe ozone region (New York City Metropolitan Area), and the applicability



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threshold for CO for a Title V has increased from 50 tpy to 100 tpy.

This condition specifies the 5.0 ppm CO emission limitation using CEMS that is required from a LAER determination in this permit condition.

Condition 176 for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Ammonia that applies to EU: U-00002, EP: E0002 Proc: GT8 and ES: GT002.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 6.67.pounds per hour Ammonia emission limitation using CEMS that is required from a BACT determination in this permit condition.

Condition 177 for for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Ammonia that applies to EU: U-00002, EP: E0002 Proc: GT8 and ES: GT002.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 10.0 ppm Ammonia emission limitation using CEMS that is required from a BACT determination in this permit condition.

Condition 178 for 40 CFR 52.21(j), Subpart A: This condition is an emission unit level and emission point level condition for Work Practice Involving Specific Operations for Oxides of Nitrogen that applies to EU: U-00002 and EP: E0002.

This condition is for BACT (Best Available Control Technology). BACT determinations are made on a case-by-case basis and can be no less stringent than any requirement that exists in the current State Implementation Plan (SIP) or 40 CFR 60 and 61. This condition specifies the 4,800,000 gallons per year of distillate fuel oil operational limitation that is required from a BACT determination in this permit condition.

Condition 182 for 6 NYCRR 201-5.3(b): This is a facility-wide condition for Work Practice Involving Specific Operations for Oxides of Nitrogen that applies to all distillate fuel oil processes GT3& GT7 for emission sources DB001 & GT001 in EU: U-00001, and GT4 & GT8 for emission sources DB001 & GT001 in EU: U-00002.

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The Department may impose such permit conditions as are necessary to identify applicable federal standards, recordkeeping and reporting requirements and to establish permit terms and conditions that will ensure that operation of the facility will not prevent attainment or maintenance of national ambient air quality standards.

This condition specifies the 4,800,000 gallons per year of distillate fuel oil operational limitation that is required from a BACT determination in this permit condition.

Condition 184 for 6 NYCRR 227-1.4(a): This is a facility-wide condition for Monitoring of Process or Control Device Parameters as Surrogate that applies to all distillate fuel oil processes (GT3& GT7 in EU: U-00001 and GT4 & GT8 in EU: U-00002).

This condition is for emissions monitoring of opacity to determine compliance with the 20 % opacity limit for stationary combustion installations.

Any person who owns a stationary installation (excluding gas turbines), with a total maximum heat input capacity exceeding 250 million Btu per hour shall install, operate in accordance with manufacturer's instructions, and properly maintain, accurate instruments satisfying the criteria in appendix B of title 40, part 60 of the Code of Federal Regulations, or approved by the commissioner on an individual case basis, for continuously monitoring and recording opacity, and when sulfur dioxide continuous monitoring is required by Part 225 of this Title, for continuously monitoring and recording either the percent oxygen or carbon dioxide in the flue gases from such installations at all times that the combustion installation is in service. Where gas is the only fuel burned, monitoring and recording of opacity is not required.

Condition 191 for 6 NYCRR 227-2.4(e)(2): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001 Proc: GT1 and ES: DB001.

This condition specifies the NO_x RACT requirements for combustion turbines with maximum heat input rates of 10 million Btu per hour or greater.

For combined cycle combination turbines, the emission limit is:
42 ppmvd, corrected to 15 percent oxygen, when firing gas.

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 227-2.6(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



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provisions of section 227-2.6(b) of this Subpart apply, including the use of a 24 hour averaging period.

Condition 192 for 6 NYCRR 212.9(b): This condition is an emission unit level, emission point level, process level and emission source condition for Intermittent Emission Testing for Particulates that applies to EU: U-00001, EP: E0001 Proc: GT3 and ES: DB001.

This condition refers to Table 2 which specifies the degree of control required for Gases and Liquid Particulate Emissions (Environmental Rating of A, B, C or D) and Solid Particulate Emissions (Environmental Rating A or D) in the New York City Metropolitan Area.

This condition specifies the degree of control required for the Particulates, which is rated as Environmental Rating of A and 99% reduction by weight or greater air cleaning is required for Particulates 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 Particulates emission has a limit of 0.1 lb/MM Btu.

Condition 193 for 6 NYCRR 227-2.4(e)(2): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001 Proc: GT3 and ES: DB001.

This condition specifies the NO_x RACT requirements for combustion turbines with maximum heat input rates of 10 million Btu per hour or greater.

For combined cycle combination turbines, the emission limit is:
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 227-2.6(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.

Condition 194 for 6 NYCRR 212.9(b): This condition is an emission unit level, emission point level, process level and emission source condition for Intermittent Emission Testing for Particulates that applies to EU: U-00001, EP: E0001 Proc: GT3



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and ES: GT001.

This condition refers to Table 2 which specifies the degree of control required for Gases and Liquid Particulate Emissions (Environmental Rating of A, B, C or D) and Solid Particulate Emissions (Environmental Rating A or D) in the New York City Metropolitan Area.

This condition specifies the degree of control required for the Particulates, which is rated as Environmental Rating of A and 99% reduction by weight or greater air cleaning is required for Particulates 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 Particulates emission has a limit of 0.1 lb/MM Btu.

Condition 195 for 6 NYCRR 227-2.4(e)(2): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001 Proc: GT5 and ES: GT001.

This condition specifies the NO_x RACT requirements for combustion turbines with maximum heat input rates of 10 million Btu per hour or greater.

For combined cycle combination turbines, the emission limit is:
42 ppmvd, corrected to 15 percent oxygen, when firing gas.

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 227-2.6(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.

Condition 196 for 6 NYCRR 212.9(b): This condition is an emission unit level, emission point level, process level and emission source condition for Intermittent Emission Testing for Particulates that applies to EU: U-00001, EP: E0001 Proc: GT7 and ES: GT001.

This condition refers to Table 2 which specifies the degree of control required for Gases and Liquid Particulate Emissions (Environmental Rating of A, B, C or D) and Solid Particulate Emissions (Environmental Rating A or D) in the New York City Metropolitan Area.

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This condition specifies the degree of control required for the Particulates, which is rated as Environmental Rating of A and 99% reduction by weight or greater air cleaning is required for Particulates 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 Particulates emission has a limit of 0.1 lb/MM Btu.

Condition 197 for 6 NYCRR 227-2.4(e)(2): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001 Proc: GT7 and ES: GT001.

This condition specifies the NO_x RACT requirements for combustion turbines with maximum heat input rates of 10 million Btu per hour or greater.

For combined cycle combination turbines, the emission limit is:
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 227-2.6(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.

Condition 198 for 6 NYCRR 227-2.4(e)(2): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00002, EP: E0002 Proc: GT2 and ES: DB002.

This condition specifies the NO_x RACT requirements for combustion turbines with maximum heat input rates of 10 million Btu per hour or greater.

For combined cycle combination turbines, the emission limit is:
42 ppmvd, corrected to 15 percent oxygen, when firing gas.

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 227-2.6(a)(5) or (6) of this Subpart. Units determining compliance

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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.

Condition 199 for 6 NYCRR 212.9(b): This condition is an emission unit level, emission point level, process level and emission source condition for Intermittent Emission Testing for Particulates that applies to EU: U-00002, EP: E0002 Proc: GT4 and ES: DB002.

This condition refers to Table 2 which specifies the degree of control required for Gases and Liquid Particulate Emissions (Environmental Rating of A, B, C or D) and Solid Particulate Emissions (Environmental Rating A or D) in the New York City Metropolitan Area.

This condition specifies the degree of control required for the Particulates, which is rated as Environmental Rating of A and 99% reduction by weight or greater air cleaning is required for Particulates 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 Particulates emission has a limit of 0.1 lb/MM Btu.

Condition 200 for 6 NYCRR 227-2.4(e)(2): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00002, EP: E0002 Proc: GT4 and ES: DB002.

This condition specifies the NO_x RACT requirements for combustion turbines with maximum heat input rates of 10 million Btu per hour or greater.

For combined cycle combination turbines, the emission limit is:
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 227-2.6(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.

Condition 201 for 6 NYCRR 212.9(b): This condition is an emission unit level, emission point level, process level and emission source condition for Intermittent



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Emission Testing for Particulates that applies to EU: U-00002, EP: E0002 Proc: GT4 and ES: GT002.

This condition refers to Table 2 which specifies the degree of control required for Gases and Liquid Particulate Emissions (Environmental Rating of A, B, C or D) and Solid Particulate Emissions (Environmental Rating A or D) in the New York City Metropolitan Area.

This condition specifies the degree of control required for the Particulates, which is rated as Environmental Rating of A and 99% reduction by weight or greater air cleaning is required for Particulates 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 Particulates emission has a limit of 0.1 lb/MM Btu.

Condition 202 for 6 NYCRR 227-2.4(e)(2): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00002, EP: E0002 Proc: GT6 and ES: GT002.

This condition specifies the NO_x RACT requirements for combustion turbines with maximum heat input rates of 10 million Btu per hour or greater.

For combined cycle combination turbines, the emission limit is:
42 ppmvd, corrected to 15 percent oxygen, when firing gas.

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 227-2.6(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.

Condition 203 for 6 NYCRR 212.9(b): This condition is an emission unit level, emission point level, process level and emission source condition for Intermittent Emission Testing for Particulates that applies to EU: U-00002, EP: E0002 Proc: GT8 and ES: GT002.

This condition refers to Table 2 which specifies the degree of control required for Gases and Liquid Particulate Emissions (Environmental Rating of A, B, C or D) and Solid Particulate Emissions (Environmental Rating A or D) in the New York City



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This condition specifies the degree of control required for the Particulates, which is rated as Environmental Rating of A and 99% reduction by weight or greater air cleaning is required for Particulates 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 Particulates emission has a limit of 0.1 lb/MM Btu.

Condition 204 for 6 NYCRR 227-2.4(e)(2): This condition is an emission unit level, emission point level, process level and emission source condition for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen that applies to EU: U-00002, EP: E0002 Proc: GT8 and ES: GT002.

This condition specifies the NOx RACT requirements for combustion turbines with maximum heat input rates of 10 million Btu per hour or greater.

For combined cycle combination turbines, the emission limit is:
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 227-2.6(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.