



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 1-4722-04141/00003
Mod 0 Effective Date: 01/02/2007 Expiration Date: 01/01/2012

Mod 1 Effective Date: Expiration Date:

Permit Issued To: KEYSpan-PORT JEFFERSON ENERGY CENTER LLC
ONE METROTECH CTR 18TH FL
BROOKLYN, NY 11201-3851

Contact: ROBERT D TEETZ
KEYSPAN
175 EAST OLD COUNTRY RD
HICKSVILLE, NY 11801-4280
(516) 545-2577

Facility: PORT JEFFERSON ENERGY CENTER
BEACH STREET
PORT JEFFERSON, NY 11777

Contact: ROBERT D TEETZ
KEYSPAN
175 EAST OLD COUNTRY RD
HICKSVILLE, NY 11801-4280
(516) 545-2577

Description:

This is a minor permit modification. Facility requested reporting due dates to be changed to calendar schedule.

This is an existing 79.9 megawatt (maximum net output) natural gas and distillate oil fired simple cycle power generation facility. Distillate oil will be fired in the event of natural gas curtailment. The facility will include two general electric LM6000 combustion turbines and two exhaust stacks. The facility uses an SCR to control emissions of NOx. The facility's operations are limited below the new source review thresholds for both non-attainment new source review and PSD.

New York State Department of Environmental Conservation
Facility DEC ID: 1472204141



By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: ROGER EVANS
 NYSDEC - SUNY @ STONY BROOK
 50 CIRCLE RD
 STONY BROOK, NY 11790-3409

Authorized Signature: _____ Date: ____ / ____ / _____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for permit renewals, modifications and transfers

Applications for Permit Renewals and Modifications

Permit modifications, suspensions or revocations by the Department

Permit Modifications, Suspensions and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal-REGION 1
HEADQUARTERS

Submission of application for permit modification or renewal-REGION 1
HEADQUARTERS

DEC SPECIAL CONDITIONS

Permit modifications, suspensions, and revocations by the Department.



DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

Condition 2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301.2(m)

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:



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

Condition 4: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 4.1:

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

Item 4.2:

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

Item 4.3:

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

Condition 5: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6NYCRR 621.13

Item 5.1:

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

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

Condition 6: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 6.1:

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

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;

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

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

Condition 7: Submission of Applications for Permit Modification or Renewal-REGION 1 HEADQUARTERS

Applicable State Requirement: 6NYCRR 621.5(a)

Item 7.1:

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 1 Headquarters
Division of Environmental Permits
SUNY Campus, Loop Road, Building 40
Stony Brook, NY 11790-2356
(631) 444-0365

Condition 8: Submission of application for permit modification or renewal-REGION 1 HEADQUARTERS

Applicable State Requirement: 6NYCRR 621.6(a)

Item 8.1:

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 1 Headquarters
Division of Environmental Permits
Stony Brook University
50 Circle Road
Stony Brook, NY 11790-3409
(631) 444-0365



DEC SPECIAL CONDITIONS

Condition 9: Permit modifications, suspensions, and revocations by the Department.
Applicable State Requirement: 6NYCRR 621.14

Item 9.1:

Failure to operate the approved facility in accordance with the application's commitments to monitor electrical output and to operate at a net output of no more than 79.9 megawatts is grounds for modification, suspension, or revocation of this permit. Operation above 79.9 megawatts is a violation of this permit.

The Permittee shall maintain records, at the facility, for a minimum of five years. All reports shall be submitted to both the Regional Air office and to the Public Service Commission.

Monitored Parameter:

Code: 41

Name: Electrical Output

Upper Limit: 79.9 megawatts

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: MONTHLY (CALENDAR YEAR)



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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: KEYSpan-PORT JEFFERSON ENERGY CENTER LLC
ONE METROTECH CTR 18TH FL
BROOKLYN, NY 11201-3851

Facility: PORT JEFFERSON ENERGY CENTER
BEACH STREET
PORT JEFFERSON, NY 11777

Authorized Activity By Standard Industrial Classification Code:
4911 - ELECTRIC SERVICES

Permit Effective Date:

Permit Expiration Date:



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 23 6NYCRR 201-6: Emission Unit Definition
- 24 6NYCRR 201-7.2: Facility Permissible Emissions

Emission Unit Level

- 49 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 50 6NYCRR 201-6: Process Definition By Emission Unit

EU=U-GT002

- *1-1 6NYCRR 201-7.2: Capping Monitoring Condition
- *1-2 6NYCRR 201-7.2: Capping Monitoring Condition
- *1-3 6NYCRR 201-7.2: Capping Monitoring Condition
- *1-4 6NYCRR 201-7.2: Capping Monitoring Condition
- *1-5 6NYCRR 201-7.2: Capping Monitoring Condition

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 59 ECL 19-0301: Contaminant List
- 1-6 6NYCRR 201-5: Compliance Demonstration

Emission Unit Level

EU=U-GT002

- 1-7 6NYCRR 201-5: Compliance Demonstration
- 1-8 6NYCRR 201-5: Compliance Demonstration
- 1-9 6NYCRR 201-5: Compliance Demonstration
- 1-10 6NYCRR 201-5: Compliance Demonstration

EU=U-GT002,Proc=P01

- 1-11 6NYCRR 201-5: Compliance Demonstration
- 1-12 6NYCRR 201-5: Compliance Demonstration
- 1-13 6NYCRR 201-5: Compliance Demonstration
- 1-14 6NYCRR 201-5: Compliance Demonstration

EU=U-GT002,Proc=P02

- 1-15 6NYCRR 201-5: Compliance Demonstration
- 1-16 6NYCRR 201-5: Compliance Demonstration
- 1-17 6NYCRR 201-5: Compliance Demonstration
- 1-18 6NYCRR 201-5: Compliance Demonstration
- 1-19 6NYCRR 201-5: Compliance Demonstration

NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Emergency Defense - 6NYCRR Part 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 - 6NYCRR Part 201-1.10(b)

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to



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Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR 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 - 6NYCRR Part 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



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order to maintain compliance with the conditions of this permit.

Item H: Property Rights - 6 NYCRR Part 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 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

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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

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

Item 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.

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

Condition 23: Emission Unit Definition

Effective between the dates of 01/02/2007 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6

Item 23.1(From Mod 1):

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

Emission Unit: U-GT002



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Emission Unit Description:

Emission unit UGT 002 represents two identical LM6000 combustion turbines rated at 455 mmBtu/hr each (51 DF, 100% load with sprint (spray cooling) - natural gas and distillate oil firing). Each simple cycle unit will vent to a common 265-foot stack with two separate flues, designed as emission points EP-GT002 and EP-GT003. The simple cycle facility will generate a net output of 79.9 MW of power.

Building(s): GT2
GT3

Condition 24: Facility Permissible Emissions
Effective between the dates of 01/02/2007 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 24.1:

ceed the following

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

CAS No: 000630-08-0 (From Mod 1) PTE: 199,800 pounds per year
Name: CARBON MONOXIDE

CAS No: 0NY075-00-5 (From Mod 1) PTE: 27,000 pounds per year
Name: PM-10

CAS No: 0NY210-00-0 (From Mod 1) PTE: 40,600 pounds per year
Name: OXIDES OF NITROGEN

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

Condition 49: Emission Point Definition By Emission Unit
Effective between the dates of 01/02/2007 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6

Item 49.1(From Mod 1):

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

Emission Unit: U-GT002

Emission Point: GT002



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Height (ft.): 265 Diameter (in.): 120
NYTMN (km.): 4534.924 NYTME (km.): 661.733 Building: GT2

Emission Point: GT003
Height (ft.): 265 Diameter (in.): 120
NYTMN (km.): 4534.924 NYTME (km.): 661.733 Building: GT3

Condition 50: Process Definition By Emission Unit
Effective between the dates of 01/02/2007 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6

Item 50.1(From Mod 1):

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

Emission Unit: U-GT002
Process: P01 Source Classification Code: 2-01-002-01
Process Description:

Emission unit UGT 002 represents two natural gas and distillate oil-fired GE LM6000 combustion turbines, rated at 455 mmBtu/hr each, at 51 D F. Process P01 represents natural gas operation of the combustion turbines. The units will be fired primarily with natural gas and will be operated so as to stay below PSD and NSR thresholds. The total throughput limits specified below represent the total maximum heat input (@ 100 D F), based on gas only operation, on an hourly and annual basis, for both combustion turbines, and excludes any distillate oil firing of the turbines. Calculated based on a natural gas heating value of 1,000 btu/cf. Water injection and selective catalytic reduction (SCR) will be employed for control of NOx emissions.

Emission Source/Control: SC002 - Combustion
Design Capacity: 455 million Btu per hour

Emission Source/Control: SC003 - Combustion
Design Capacity: 455 million Btu per hour

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

Emission Source/Control: SCR03 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: WAT02 - Control
Control Type: STEAM OR WATER INJECTION

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Emission Source/Control: WAT03 - Control
Control Type: STEAM OR WATER INJECTION

Item 50.2(From Mod 1):

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

Emission Unit: U-GT002

Process: P02

Source Classification Code: 2-01-001-01

Process Description:

Emission unit UGT 002 represents two natural gas and distillate oil-fired GE LM6000 combustion turbines, rated at 433 mmbtu/hr each, at -5 D F. process P02 represents distillate oil operation of the combustion turbines. The units will be fired primarily with natural gas and will be operated so as to stay below PSD and NSR thresholds. The total throughput limits specified below represent the total maximum heat input of distillate oil (@ -5 D F), based on a max. of 720 hours per year operation, on an hourly and annual basis, for both combustion turbines. Calculated based on a distillate oil heating value of 130,000 btu/gal. Water injection and selective catalytic reduction (SCR) will be employed for control of NOx emissions.

Emission Source/Control: SC002 - Combustion
Design Capacity: 455 million Btu per hour

Emission Source/Control: SC003 - Combustion
Design Capacity: 455 million Btu per hour

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

Emission Source/Control: SCR03 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: WAT02 - Control
Control Type: STEAM OR WATER INJECTION

Emission Source/Control: WAT03 - Control
Control Type: STEAM OR WATER INJECTION

**Condition 1-1: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2



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Item 1-1.1:

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

40CFR 52-A.21

Item 1-1.2:

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

Item 1-1.3:

for a period of five

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

Item 1-1.4:

ing of an emissions

cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary

l levels that would

require compliance with an applicable requirement.

Item 1-1.5:

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

Item 1-1.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-GT002

Regulated Contaminant(s):

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

Item 1-1.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition limits the hourly PM-10 emissions during distillate oil firing. The facility shall test for compliance with this limit once during the term of the



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permit. The compliance test must be submitted to and approved by the Department. The results of the test must be kept by the owner until the next test results are approved by the Department.

Parameter Monitored: PM-10

Upper Permit Limit: 16.2 pounds per hour

Reference Test Method: Method 201A & 202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-2: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 1-2.1:

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

6NYCRR 231-2

Item 1-2.2:

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

Item 1-2.3:

or a period of five

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

Item 1-2.4:

ing of an emissions

cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary

l levels that would

require compliance with an applicable requirement.

Item 1-2.5:

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



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Item 1-2.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-GT002

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-2.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor to determine compliance with the limitations for carbon monoxide, in this permit. The facility shall determine compliance based on a one hour average. All records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CO CEM

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 99.9 tons per year

Reference Test Method: 40 CFR Appendix B&F

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 1-3: Capping Monitoring Condition

Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 1-3.1:

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

40CFR 52-A.21

Item 1-3.2:

emission limits, terms,

conditions and standards in this permit.



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Item 1-3.3:

for a period of five

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

Item 1-3.4:

ing of an emissions

cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary

l levels that would

require compliance with an applicable requirement.

Item 1-3.5:

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

Item 1-3.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-GT002

Regulated Contaminant(s):

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

Item 1-3.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition limits the hourly PM-10 emissions during natural gas firing. The facility shall test for compliance with this limit once during the term of the permit. The compliance test must be submitted to and approved by the Department. The results of the test must be kept by the owner until the next test results are approved by the Department.

Parameter Monitored: PM-10

Upper Permit Limit: 3.2 pounds per hour

Reference Test Method: Method 201A & 202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

New York State Department of Environmental Conservation

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Facility DEC ID: 1472204141



Condition 1-4: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 1-4.1:

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

40CFR 52-A.21

Item 1-4.2:

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

Item 1-4.3:

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

Item 1-4.4:

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

Item 1-4.5:

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

Item 1-4.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-GT002

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

Item 1-4.7:

Compliance Certification shall include the following monitoring:

Capping: Yes



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Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition limits the annual PM-10 emissions. The owner or operator is required to test the hourly emission rates (for both natural gas and distillate oil) of PM-10 for compliance, once during the term of the permit. Based on compliance with the hourly limits, the owner or operator, must calculate the annual PM-10 emission rate (monthly) in tons per year. This rate shall be calculated based on the hours per year operated on each fuel times the permissible emission rate of PM-10 for that specific fuel:

$$AT = (HNG * (3.2) + HDO * (16.2)) / 2000$$

Where:

AT = Annual tons of PM-10

HNG = Hours per year of natural gas firing

HDO = Hours per year of distillate oil firing

The owner or operator shall maintain records of these calculations at the facility for a minimum of five years.

Parameter Monitored: PM-10

Upper Permit Limit: 13.5 tons per year

Reference Test Method: Method 201A & 202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-5: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 1-5.1:

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

6NYCRR 231-2

Item 1-5.2:



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

Item 1-5.3:

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

Item 1-5.4:

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

Item 1-5.5:

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

Item 1-5.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-GT002

Regulated Contaminant(s):

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

Item 1-5.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor to determine compliance with the limitations for oxides of nitrogen, in this permit. The facility shall determine compliance based on a one hour average. All records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: NOx CEM

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 20.3 tons per year

Reference Test Method: 40 CFR 75

Monitoring Frequency: CONTINUOUS

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Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 59: Contaminant List
Effective between the dates of 01/02/2007 and Permit Expiration Date

Applicable State Requirement: ECL 19-0301

Item 59.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this



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permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 007664-41-7

Name: AMMONIA

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-5

Name: PM-10

Condition 1-6: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 201-5

Item 1-6.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-6.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The owner or operator of this facility shall analyze each delivery of distillate oil to determine sulfur content of the fuel. These measurements shall be recorded and kept at the facility for a minimum of five years. The applicant shall prove compliance with the sulfur-in-fuel limitation using any of the following methods (or an approved alternative): ASTM-4294, ASTM-129, ASTM-1552, or ASTM-2622.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 1 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.03 percent by weight

Reference Test Method: As Required

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: QUARTERLY (CALENDAR)



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Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

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

Condition 1-7: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 201-5

Item 1-7.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-GT002

Item 1-7.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Start-up shall be defined as the 30 minute period of time from the point that the gas turbine begins firing fuel. The owner or operator shall record the date and time of each period of start-up. A report consisting of the recorded information shall be submitted to the Department quarterly with the facility's required excess emissions report. All records shall be maintained by the applicant at their Poletti facility for a minimum of five years.

Parameter Monitored: DURATION OF START UP

Upper Permit Limit: 30 minutes

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER
OCCURRENCE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 1-8: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 201-5

Item 1-8.1:



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The Compliance Demonstration activity will be performed for:

Emission Unit: U-GT002

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-8.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This limit shall apply only during periods of shutdown, not to exceed 20 minutes per occurrence. Emissions in excess of this limit shall be reported quarterly through the facility's excess emissions report. All records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CO CEM

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 15 pounds

Reference Test Method: 40 CFR 60 Appendix B&F

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-9: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6NYCRR 201-5

Item 1-9.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-GT002

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 1-9.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)



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Monitoring Description:

The owner or operator of the facility shall install, calibrate, maintain, and operate a continuous emissions monitor for ammonia. All required records shall be kept at the facility for a minimum of five years.

Manufacturer Name/Model Number: Ammonia CEM

Parameter Monitored: AMMONIA

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

Reference Test Method: Method 027

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 1-10: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 201-5

Item 1-10.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-GT002

Item 1-10.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

A shutdown shall be defined as the period of time when the stop signal is initiated to when fuel is no longer being combusted in the engine, not to exceed 20 minutes per occurrence. The owner or operator shall record each period of shutdown and its duration. A report consisting of the recorded information shall be submitted to the Department quarterly with the facility's required excess emissions report. All records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: DURATION OF SHUTDOWN

Upper Permit Limit: 20 minutes

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER



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OCCURRENCE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 1-11: Compliance Demonstration

Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 201-5

Item 1-11.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-GT002

Process: P01

Regulated Contaminant(s):

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

Item 1-11.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This facility shall install, calibrate, maintain, and operate a continuous 40 CFR Part 75 emissions monitor for measuring and recording oxides of nitrogen. The facility shall also install either a continuous monitor for oxygen or carbon dioxide. All records shall be maintained by the applicant at the facility for a minimum of five years.

The 2.5 ppmvd limit shall be applicable during periods of steady state operation where the facility operates 16 or more minutes consecutively in one clock hour. When a facility operates in steady state less than 16 minutes (consecutively in one clock hour, and excluding startup or shutdown) the 2.5 ppmvd limit does not apply, but a mass emission limit of 2.5 pounds applies. Emissions in excess of either the 2.5 ppmvd limit or the 2.5 pound limit shall be reported quarterly through the facility's excess emissions report.

Manufacturer Name/Model Number: NO_x CEM

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.5 parts per million by volume
(dry, corrected to 15% O₂)



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Facility DEC ID: 1472204141

Reference Test Method: 40 CFR 75
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 1-12: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 201-5

Item 1-12.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-GT002
Process: P01

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

Item 1-12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This limit shall apply only during periods of natural gas firing start-up, not to exceed 30 minutes per occurrence. Emissions in excess of this limit shall be reported quarterly through the facility's excess emissions report. All records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: NOx CEM
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 15 pounds
Reference Test Method: 40 CFR 75
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 1-13: Compliance Demonstration
Effective for entire length of Permit



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Applicable State Requirement: 6NYCRR 201-5

Item 1-13.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-GT002

Process: P01

Regulated Contaminant(s):

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

Item 1-13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This limit shall apply only during periods of natural gas firing shutdown, not to exceed 20 minutes per occurrence.

Emissions in excess of this limit shall be reported quarterly through the facility's excess emissions report.

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

Manufacturer Name/Model Number: NO_x CEM

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 5 pounds

Reference Test Method: 40 CFR 75

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 1-14: Compliance Demonstration

Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 201-5

Item 1-14.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-GT002

Process: P01

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE



New York State Department of Environmental Conservation

Permit ID: 1-4722-04141/00003

Facility DEC ID: 1472204141

Item 1-14.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator of the facility shall install, calibrate, maintain, and operate a continuous emissions monitor for carbon monoxide. All required records shall be kept at the facility for a minimum of five years.

Manufacturer Name/Model Number: CO CEM

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 215 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: 40 CFR 60 APP B&F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-15: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6NYCRR 201-5

Item 1-15.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-GT002

Process: P02

Regulated Contaminant(s):

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

Item 1-15.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This limit shall apply only during periods of distillate oil firing shutdown, not to exceed 20 minutes per occurrence. Emissions in excess of this limit shall be reported quarterly through the facility's excess emissions report. All records shall be maintained at the facility for a minimum of five years.



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Manufacturer Name/Model Number: NO_x CEM
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 8 pounds
Reference Test Method: 40 CFR 75
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 1-16: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 201-5

Item 1-16.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-GT002
Process: P02

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

Item 1-16.2:

Compliance Demonstration shall include the following monitoring:

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

The owner or operator of the facility shall install, calibrate, maintain, and operate a continuous emissions monitor for carbon monoxide. All required records shall be kept at the facility for a minimum of five years.

Manufacturer Name/Model Number: CO CEM
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 18 parts per million by volume (dry, corrected to 15% O₂)
Reference Test Method: 40 CFR 60 APP B&F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).



New York State Department of Environmental Conservation

Permit ID: 1-4722-04141/00003

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Condition 1-17: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 201-5

Item 1-17.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-GT002

Process: P02

Regulated Contaminant(s):

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

Item 1-17.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator of the facility shall install, calibrate, maintain, and operate continuous emissions monitors for oxides of nitrogen and either oxygen or carbon dioxide. Any hour in which the facility fires any amount of oil (for example, the facility fuel switches during the middle of an hour) shall be considered an hour of oil firing. The emission limits for oil firing shall apply during this hour. All required records shall be kept at the facility for a minimum of five years.

The 9.0 ppmvd limit shall be applicable during periods of steady state operation where the facility operates 16 or more minutes consecutively in one clock hour. When a facility operates in steady state less than 16 minutes (consecutively in one clock hour, and excluding startup or shutdown) the 9.0 ppmvd limit does not apply, but a mass emission limit of 7.5 pounds applies. Emissions in excess of either the 9.0 ppmvd limit or the 7.5 pound limit shall be reported quarterly through the facility's excess emissions report.

Manufacturer Name/Model Number: NOx CEM

Parameter Monitored: OXIDES OF NITROGEN

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

Reference Test Method: 40 CFR 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE



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Permit ID: 1-4722-04141/00003

Facility DEC ID: 1472204141

Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 1-18: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 201-5

Item 1-18.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-GT002
Process: P02

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

Item 1-18.2:

Compliance Demonstration shall include the following monitoring:

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

This limit shall apply only during periods of distillate oil firing start-up, not to exceed 30 minutes per occurrence. Emissions in excess of this limit shall be reported quarterly through the facility's excess emissions report. All records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CO CEM
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 15 pounds
Reference Test Method: 40 CFR 60 Appendix B&F
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 1-19: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 201-5

Item 1-19.1:



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Permit ID: 1-4722-04141/00003

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The Compliance Demonstration activity will be performed for:

Emission Unit: U-GT002

Process: P02

Regulated Contaminant(s):

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

Item 1-19.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This limit shall apply only during periods of distillate oil firing start-up, not to exceed 30 minutes per occurrence. Emissions in excess of this limit shall be reported quarterly through the facility's excess emissions report. All records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: NO_x CEM

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 35 pounds

Reference Test Method: 40 CFR 75

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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