

New York State Department of Environmental Conservation
Facility DEC ID: 3554200019



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 3-5542-00019/00007
Mod 0 Effective Date: 01/28/2002 Expiration Date: No expiration date.
Mod 1 Effective Date: 09/13/2005 Expiration Date: No expiration date.

Permit Issued To: NYS DEPT OF CORRECTIONAL SERVICES
BUILDING 2 - STATE OFFICE BUILDING CAMPUS
ALBANY, NY 12226

Contact: KEITH D RUPERT
NYS DEPARTMENT OF CORRECTIONAL SERVICES
1220 WASHINGTON AVENUE
ALBANY, NY 12226
(518) 435-9477

Facility: SING SING CORRECTIONAL FACILITY
354 HUNTER ST
OSSINING, NY 10562

Contact: BRUCE CARVER
345 HUNTER STREET
OSSINING, NY 10562
(914) 941-0108

Description:

The Sing Sing Correctional Facility is a state owned facility located in the town of Ossining, Westchester County, New York. The current powerhouse contains three boilers, with maximum rated heat inputs of 50.5 MMBTU/hr each. Natural gas is used as a primary fuel and No. 2 fuel oil is used as a secondary fuel. Other sources of air emissions include facility maintenance, exempt combustion sources, vocational activities and fuel storage tanks.

State Facility Permit Modification 1

This permit modification is for the addition of three new boilers to replace the current boilers. The new boilers are capable of burning natural gas or No. 2 fuel oil. Two of the new boilers have heat input ratings of 76 MMBTU/hr each. The third boiler will be rated at 25 MMBTU/hr for a total of 176.8 MMBTU/hr. All three boilers are equipped with low NOx burners. All powerhouse boilers fire 0.2% low sulfur fuel exclusively. The new boilers are subject to 40 CFR 60 Subpart Dc.

Three temporary boilers will be utilized during the installation of the new boilers. The temporary units



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are Nebraska boilers with heat input ratings of 72.7 MMBTU/hr each. The temporary boilers will operate on natural gas and No. 2 fuel oil, and will be removed from the site once the installation and startup of the new permanent boilers is complete.

This modification also includes the permitting of three existing diesel generators (previously exempt) as an emission unit. The generators are 1600, 400 and 300 kilowatts. The generators are now included in the Coordinated Energy Demand Response Program (CDRP).

The Sing Sing Correctional Facility has capped Oxides of Nitrogen emissions at 24.9 tons, Volatile Organic Compound emissions at 24.9 tons, Sulfur Dioxide emissions at 90 tons and Carbon Monoxide emissions at 45 tons per consecutive twelve month period.

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: ROBERT J STANTON
 NYS DEC DIVISION OF AIR RESOURCES
 21 SOUTH PUTT CORNERS RD
 NEW PALTZ, NY 12561-1696

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 and Modifications

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

Permit Modifications, Suspensions, and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal-REGION 3

HEADQUARTERS



DEC GENERAL CONDITIONS

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

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 1-1: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 1-1.1:

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 1-1.2:

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 1-1.3:

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

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transfer of ownership.

Condition 3: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13(a)

Expired by Mod No: 2

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.

Condition 1-2: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 1-2.1:

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

Expired by Mod No: 2

Item 4.1:

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for modification, suspension or revocation include:

- a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
- b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
- c) new material information is discovered; or
- d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.



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

Condition 5: Submission of Applications for Permit Modification or Renewal-REGION 3 HEADQUARTERS

Applicable State Requirement: 6NYCRR 621.5(a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054



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ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

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BUILDING 2 - STATE OFFICE BUILDING CAMPUS
ALBANY, NY 12226

Facility: SING SING CORRECTIONAL FACILITY
354 HUNTER ST
OSSINING, NY 10562

Authorized Activity By Standard Industrial Classification Code:
9223 - CORRECTIONAL INSTITUTIONS

Mod 0 Permit Effective Date: 01/28/2002

Permit Expiration Date: No expiration date.

Mod 1 Permit Effective Date: 09/13/2005

Permit Expiration Date: No expiration date.



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1-1 6NYCRR 202-1.1: Required Emissions Tests
- 1-2 6NYCRR 225-1.2(a)(2): Compliance Demonstration
- 25 6NYCRR 225-1.2(a)(2): Compliance Demonstration
- 1-3 6NYCRR 227-1.3(a): Compliance Demonstration
- 1-4 40CFR 60, NSPS Subpart Dc: Compliance Demonstration

Emission Unit Level

EU=0-TEMPS,Proc=TFO

- 1-5 6NYCRR 227-1.3: Compliance Demonstration

EU=1-POWER

- 1-6 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 1-7 40CFR 60.48c(d), NSPS Subpart Dc: Compliance Demonstration

EU=1-POWER,Proc=OIL

- 1-8 6NYCRR 227-1.3: Compliance Demonstration
- 1-9 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Demonstration
- 1-10 40CFR 60.45c(a), NSPS Subpart Dc: Compliance Demonstration
- 1-11 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Demonstration
- 1-12 40CFR 60.48c(c), NSPS Subpart Dc: Compliance Demonstration
- 1-13 40CFR 60.48c(e)(11), NSPS Subpart Dc: Compliance Demonstration
- 1-14 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Demonstration

EU=2-GENER

- 1-15 6NYCRR 227-1.3: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

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- 29 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 32 6NYCRR 201-5: Emission Unit Definition
- 1-17 6NYCRR 201-7: Facility Permissible Emissions
- *1-18 6NYCRR 201-7: Capping Monitoring Condition
- *1-19 6NYCRR 201-7: Capping Monitoring Condition
- *1-20 6NYCRR 201-7: Capping Monitoring Condition
- *1-21 6NYCRR 201-7: Capping Monitoring Condition
- 34 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

- 35 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 36 6NYCRR 201-5: Process Definition By Emission Unit
- 1-22 6NYCRR 201-7: Emission Unit Permissible Emissions

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NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Sealing - 6NYCRR Part 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

Item B: Acceptable Ambient Air Quality - 6NYCRR Part 200.6

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

Item C: Maintenance of Equipment - 6NYCRR Part 200.7

Any person who owns or operates an air contamination

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source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Item D: Unpermitted Emission Sources - 6NYCRR Part 201-1.2

If an existing emission source was subject to the permitting requirements of 6NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: 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



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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 F: Recycling and Salvage - 6NYCRR Part 201-1.7

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6NYCRR Part 201-1.8

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

Item H: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR Part 201-3.2(a)

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, 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 I: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR Part 201-3.3(a)

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific



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criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, 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 J: Required Emission Tests - 6 NYCRR Part 202-1.1

An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6NYCRR Part 202-1.

Item K: Visible Emissions Limited - 6 NYCRR Part 211.3

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Item L: Open Fires - 6 NYCRR Part 215

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

Item M: 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

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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 N: 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.

FEDERAL APPLICABLE REQUIREMENTS

The following conditions are federally enforceable.

Condition 1-1: Required Emissions Tests

Effective between the dates of 09/13/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 1-1.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

Condition 1-2: Compliance Demonstration

Effective between the dates of 09/13/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 225-1.2(a)(2)

Item 1-2.1:

The Compliance Demonstration activity will be performed for the Facility.



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Item 1-2.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall use, purchase, sell, or offer for sale any distillate fuel oil which has a sulfur content greater than the limit presented below. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: .37 percent by volume

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 25: Compliance Demonstration

Effective between the dates of 01/28/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 225-1.2(a)(2)

Item 25.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 25.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall sell, offer for sale, purchase or use any distillate oil which has a sulfur content greater than the limit presented below. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.37 percent by weight

Monitoring Frequency: PER DELIVERY

Reporting Requirements: ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.
The initial report is due 1/30/2003.
Subsequent reports are due every 12 calendar month(s).

Condition 1-3: Compliance Demonstration

Effective between the dates of 09/13/2005 and Permit Expiration Date

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

Item 1-3.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-3.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-4: Compliance Demonstration

Effective between the dates of 09/13/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60, NSPS Subpart Dc

Item 1-4.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-4.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

The facility will establish a fuel contract specifying a



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maximum sulfur content by weight of 0.2% for No. 2 fuel to be used in the boilers. This is below the 0.5% required by 40 CFR 60, Subpart Dc. Certification from the supplier will be maintained for each delivery.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.2 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

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

Condition 1-5: Compliance Demonstration

Effective between the dates of 09/13/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 227-1.3

Item 1-5.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-TEMPS

Process: TFO

Item 1-5.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired boilers which are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack for each boiler which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

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2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- date and time of day
- observer's name
- identity of emission point
- weather condition
- was a plume observed?

Inclement weather conditions shall be recorded for those days when observations are prohibited. This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence.

The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**** NOTE **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Reference Test Method: EPA Method 9

Monitoring Frequency: DAILY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.
The initial report is due 1/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 1-6: EPA Region 2 address.

Effective between the dates of 09/13/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 1-6.1:

This Condition applies to Emission Unit: 1-POWER

Item 1-6.2:

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

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

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

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

Condition 1-7: Compliance Demonstration

Effective between the dates of 09/13/2005 and Permit Expiration Date

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

Item 1-7.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-POWER

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

Item 1-7.2:

Compliance Demonstration shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 3-5542-00019/00007

Facility DEC ID: 3554200019



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall submit semi-annual reports to the Administrator.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 1-8: Compliance Demonstration

Effective between the dates of 09/13/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 227-1.3

Item 1-8.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-POWER

Process: OIL

Item 1-8.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired boilers which are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack for each boiler which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- date and time of day
- observer's name
- identity of emission point

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- weather condition
- was a plume observed?

Inclement weather conditions shall be recorded for those days when observations are prohibited. This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence.

The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**** NOTE **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Reference Test Method: EPA Method 9

Monitoring Frequency: DAILY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 1-9: Compliance Demonstration

Effective between the dates of 09/13/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.43c(c), NSPS Subpart Dc

New York State Department of Environmental Conservation

Permit ID: 3-5542-00019/00007

Facility DEC ID: 3554200019



Item 1-9.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-POWER

Process: OIL

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-9.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

On and after the date on which the initial performance test is completed or required to be completed under §60.8 of this part, whichever date comes first, no owner or operator of an affected facility that combusts coal, wood or oil and has a heat input capacity of 30 million BTU per hour or greater shall cause to be discharged into the atmosphere from an affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

Parameter Monitored: OPACITY

Upper Permit Limit: 20.0 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-10: Compliance Demonstration

Effective between the dates of 09/13/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.45c(a), NSPS Subpart Dc

Item 1-10.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-POWER

Process: OIL

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES



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Item 1-10.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

initial performance test required by 40CFR60.8

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-11: Compliance Demonstration

Effective between the dates of 09/13/2005 and Permit Expiration Date

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

Item 1-11.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-POWER

Process: OIL

Item 1-11.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 CFR 60.7 of this part. This notification shall include:

- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
- (2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR 60.42c., or 40 CFR 60.43c.
- (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel

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fired.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-12: Compliance Demonstration

Effective between the dates of 09/13/2005 and Permit Expiration Date

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

Item 1-12.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-POWER

Process: OIL

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each coal-fired, residual oil-fired, or wood-fired affected facility subject to the opacity limits under §60.43c(c) shall submit excess emission reports, to the Administrator, semiannually. All reports shall be postmarked by the 30th day following the end of each semiannual reporting period.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 1-13: Compliance Demonstration

Effective between the dates of 09/13/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.48c(e)(11), NSPS Subpart Dc

Item 1-13.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-POWER

Process: OIL



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Permit ID: 3-5542-00019/00007

Facility DEC ID: 3554200019

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.43c shall keep records as required under §60.48c(d) including the following information.

If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification as described under paragraph §60.48c(f)(1)(2) or (3). In addition to records of fuel supplier certification, the semi-annual report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 1-14: Compliance Demonstration

Effective between the dates of 09/13/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.48c(f)(1), NSPS Subpart Dc

Item 1-14.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-POWER

Process: OIL

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-14.2:

Compliance Demonstration shall include the following monitoring:



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Permit ID: 3-5542-00019/00007

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Fuel supplier certification shall include the following information for distillate oil:

- i) The name of the oil supplier, and
- ii) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in §60.41c. 60-Dc 41c defines distillate oil as fuel that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, A standard Specification for Fuel Oils.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 1-15: Compliance Demonstration

Effective between the dates of 09/13/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 227-1.3

Item 1-15.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 2-GENER

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-15.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The facility will complete daily visual inspections of opacity from the generators when they are in use. An EPA Method 9 analysis will be completed if the results of the daily visual inspections indicate that it is necessary.

Parameter Monitored: OPACITY



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Permit ID: 3-5542-00019/00007

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Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



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: Public Access to Recordkeeping for Facilities With State Facility Permits - 6NYCRR Part 201-1.10(a)

Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1), and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

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

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

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

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law.

STATE ONLY APPLICABLE REQUIREMENTS
The following conditions are state only enforceable.

Condition 1-16: Contaminant List

Effective between the dates of 09/13/2005 and Permit Expiration Date

Applicable State Requirement: ECL 19-0301

Item 1-16.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 0NY998-00-0

Name: VOC

Condition 29: Unavoidable noncompliance and violations

Effective between the dates of 01/28/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-1.4

Item 29.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

- (a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which



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contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 32: Emission Unit Definition

Effective between the dates of 01/28/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 32.1(From Mod 1):

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

Emission Unit: 0-TEMPS

Emission Unit Description:

Three 72.7 million BTU/hr boilers are temporarily located at the facility to supply power during the powerhouse boiler replacements. The boilers fire natural gas and No. 2 fuel oil and are equipped with low NOx burners.



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Permit ID: 3-5542-00019/00007

Facility DEC ID: 3554200019

Building(s): 52

Item 32.2(From Mod 1):

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

Emission Unit: 1-POWER

Emission Unit Description:

Two 76 MMBTU/hr boilers and one 25 MMBTU/hr boiler are located in the powerhouse. All of the boilers are dual fuel (natural gas and No. 2 fuel oil) and are equipped with low NOx burners. The boilers are subject to 40 CFR Subpart Dc, NSPS. The boilers vent to individual stacks.

Building(s): 52

Item 32.3(From Mod 1):

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

Emission Unit: 2-GENER

Emission Unit Description:

Two diesel generators provide emergency power and are included in an energy demand response program.

Building(s): 20
52
52/20

Item 32.4(From Mod 0):

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

Emission Unit: 0-0MAIN

Emission Unit Description:

THREE BOILERS CAPABLE OF FIRING NATURAL GAS (50.5 MMBTU/HR MAX) AND NO. 2 FUEL OIL (48.7 MMBTU/HR MAX) ARE LOCATED IN THE HEATING PLANT. THE BOILERS WERE INSTALLED IN 1972. NSPS DOES NOT APPLY TO THE BOILERS. ALL BOILERS VENT TO ONE COMMON STACK.

Building(s): 52

Condition 1-17: Facility Permissible Emissions

Effective between the dates of 09/13/2005 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-7

Item 1-17.1:

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



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Permit ID: 3-5542-00019/00007

Facility DEC ID: 3554200019

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

CAS No: 000630-08-0 (From Mod 1) PTE: 90,000 pounds per year
Name: CARBON MONOXIDE

CAS No: 007446-09-5 (From Mod 1) PTE: 180,000 pounds per year
Name: SULFUR DIOXIDE

CAS No: 0NY210-00-0 (From Mod 1) PTE: 49,800 pounds per year
Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0 (From Mod 1) PTE: 49,800 pounds per year
Name: VOC

Condition 1-18: Capping Monitoring Condition

Effective between the dates of 09/13/2005 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-7

Item 1-18.1:

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 201-6.1
6NYCRR 227-2
6NYCRR 231-2

Item 1-18.2:

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

Item 1-18.3:

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

Item 1-18.4:

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



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Permit ID: 3-5542-00019/00007

Facility DEC ID: 3554200019

Item 1-18.5:

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 1-18.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 1-18.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

VOC emissions from this facility shall not exceed 24.9 tons during any consecutive twelve month period. VOC emissions shall be based on the following mathematical relationship.

$$(0.2A + 5.5B + 0.5C + 0.0025D + 0.0006E) / 2000 + F + G < 24.9 \text{ tons}$$

A = thousand gal No. 2 fuel oil used

B = million cubic feet natural gas burned

C = thousand gal propane used

D = hours run for generators < 600 hp

E = hours run for generators > 600 hp

F = 0.385 tons (PTE for storage tanks)

G = 6.87 tons (PTE for maintenance/vocational activities)

Parameter Monitored: FUEL

Upper Permit Limit: 24.9 tons

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 1-19: Capping Monitoring Condition

Effective between the dates of 09/13/2005 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-7

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Permit ID: 3-5542-00019/00007

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Item 1-19.1:

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 201-6.1

6NYCRR 227-2

6NYCRR 231-2

Item 1-19.2:

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

Item 1-19.3:

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

Item 1-19.4:

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

Item 1-19.5:

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 1-19.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 1-19.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Nitrogen Oxide emissions from the facility shall not
exceed 24.9 tons in any consecutive 12 month period.

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Nitrogen Oxide emissions shall be based on the following mathematical relationship.

$$(20A + 18B + 0.44C + 0.60D + 81E) / 2000 < 24.9 \text{ tons}$$

A = 0.2% sulfur No. 2 fuel oil (per 1000 gal) used in powerhouse

B = 0.37% sulfur No. 2 fuel oil (per 1000 gal) used in exempt combustion units

C = diesel fuel (gal) used in generators > 600 hp

D = diesel fuel (gal) used in generators < 600 hp

E = natural gas (per million scfm)

Parameter Monitored: FUEL

Upper Permit Limit: 24.9 tons

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MINIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 1-20: Capping Monitoring Condition

Effective between the dates of 09/13/2005 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-7

Item 1-20.1:

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 201-6.1

Item 1-20.2:

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

Item 1-20.3:

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

Item 1-20.4:



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

Item 1-20.5:

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 1-20.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-20.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Carbon Monoxide emissions from this facility shall not exceed 45 tons during any consecutive 12 month period.

Carbon Monoxide emissions shall be based on the following mathematical relationship.

$$(5A + 5B + 0.13C + 0.13D + 61E) / 2000 < 45 \text{ tons}$$

A = 0.2% sulfur No. 2 fuel oil (per 1000 gal) used in powerhouse

B = 0.37% sulfur No. 2 fuel oil (per 1000 gal) used in exempt combustion units

C = diesel fuel (gal) used in generators > 600 hp

D = diesel fuel (gal) used in generators < 600 hp

E = natural gas (per million scfm)

Parameter Monitored: FUEL

Upper Permit Limit: 45 tons

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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



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Permit ID: 3-5542-00019/00007

Facility DEC ID: 3554200019

Condition 1-21: Capping Monitoring Condition

Effective between the dates of 09/13/2005 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-7

Item 1-21.1:

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 201-6.1

Item 1-21.2:

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

Item 1-21.3:

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

Item 1-21.4:

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

Item 1-21.5:

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 1-21.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-21.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:



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Sulfur Dioxide emissions from the facility shall not exceed 90 tons in any consecutive 12 month period. Sulfur Dioxide emissions shall be based on the following mathematical relationship.

$$(28.4A + 52.54 B + 0.07C + 0.04D + 0.6E) / 2000 < 90 \text{ tons}$$

A = 0.2% sulfur No. 2 fuel oil (per 1000 gal) used in powerhouse

B = 0.37% sulfur No. 2 fuel oil (per 1000 gal) used in exempt combustion units

C = diesel fuel (gal) used in generators > 600 hp

D = diesel fuel (gal) used in generators < 600 hp

E = natural gas (per million scfm)

Parameter Monitored: FUEL

Upper Permit Limit: 90 tons

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MINIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 3 days after the reporting period.

The initial report is due 1/3/2006.

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

Condition 34: Air pollution prohibited

Effective between the dates of 01/28/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 211.2

Item 34.1:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

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

Condition 35: Emission Point Definition By Emission Unit

Effective between the dates of 01/28/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5



New York State Department of Environmental Conservation

Permit ID: 3-5542-00019/00007

Facility DEC ID: 3554200019

Item 35.1(From Mod 1):

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

Emission Unit: 0-TEMPS

Emission Point: 1TEMP

Height (ft.): 38

Diameter (in.): 42

Building: 52

Emission Point: 2TEMP

Height (ft.): 38

Diameter (in.): 42

Building: 52

Emission Point: 3TEMP

Height (ft.): 38

Diameter (in.): 42

Building: 52

Item 35.2(From Mod 1):

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

Emission Unit: 1-POWER

Emission Point: 0001A

Height (ft.): 53

Diameter (in.): 30

Building: 52

Emission Point: 0001B

Height (ft.): 53

Length (in.): 48

Width (in.): 24

Building: 52

Item 35.3(From Mod 1):

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

Emission Unit: 2-GENER

Emission Point: 00002

Height (ft.): 35

Diameter (in.): 11

Building: 52

Emission Point: 00003

Height (ft.): 34

Diameter (in.): 14

Building: 20

Emission Point: 00004

Height (ft.): 34

Diameter (in.): 14

Building: 20



New York State Department of Environmental Conservation

Permit ID: 3-5542-00019/00007

Facility DEC ID: 3554200019

Item 35.4(From Mod 0):

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

Emission Unit: 0-0MAIN

Emission Point: 00001

Height (ft.): 52

Diameter (in.): 48

NYTMN (km.): 4556.173 NYTME (km.): 595.133 Building: 52

Condition 36: Process Definition By Emission Unit

Effective between the dates of 01/28/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 36.1(From Mod 1):

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

Emission Unit: 0-TEMPS

Process: TFO

Process Description: Three temporary boilers burn No. 2 fuel oil.

Emission Source/Control: 00T01 - Combustion

Design Capacity: 72.7 million Btu per hour

Emission Source/Control: 00T02 - Combustion

Design Capacity: 72.7 million Btu per hour

Emission Source/Control: 00T03 - Combustion

Design Capacity: 72.7 million Btu per hour

Item 36.2(From Mod 1):

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

Emission Unit: 0-TEMPS

Process: TNG

Source Classification Code: 1-02-001-01

Process Description: Three temporary boilers burn natural gas.

Emission Source/Control: 00T01 - Combustion

Design Capacity: 72.7 million Btu per hour

Emission Source/Control: 00T02 - Combustion

Design Capacity: 72.7 million Btu per hour

Emission Source/Control: 00T03 - Combustion

Design Capacity: 72.7 million Btu per hour

Item 36.3(From Mod 1):



New York State Department of Environmental Conservation

Permit ID: 3-5542-00019/00007

Facility DEC ID: 3554200019

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

Emission Unit: 1-POWER

Process: GAS

Source Classification Code: 1-01-006-04

Process Description: The three new powerhouse boilers burn natural gas.

Emission Source/Control: 0B01A - Combustion

Design Capacity: 76 million Btu per hour

Emission Source/Control: 0B02A - Combustion

Design Capacity: 76 million Btu per hour

Emission Source/Control: 0B03A - Combustion

Design Capacity: 76 million Btu per hour

Item 36.4(From Mod 1):

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

Emission Unit: 1-POWER

Process: OIL

Source Classification Code: 1-01-005-01

Process Description:

The three new powerhouse boilers burn No. 2 fuel oil.

Emission Source/Control: 0B01A - Combustion

Design Capacity: 76 million Btu per hour

Emission Source/Control: 0B02A - Combustion

Design Capacity: 76 million Btu per hour

Emission Source/Control: 0B03A - Combustion

Design Capacity: 76 million Btu per hour

Item 36.5(From Mod 1):

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

Emission Unit: 2-GENER

Process: GEN

Process Description:

Three diesel generators burn diesel fuel to provide emergency power and energy demand response.

Emission Source/Control: 00G01 - Combustion

Design Capacity: 1,600 kilowatts

Emission Source/Control: 00G02 - Combustion

Design Capacity: 400 kilowatts



New York State Department of Environmental Conservation

Permit ID: 3-5542-00019/00007

Facility DEC ID: 3554200019

Emission Source/Control: 00G03 - Combustion

Design Capacity: 300 kilowatts

Condition 1-22: Emission Unit Permissible Emissions

Effective between the dates of 09/13/2005 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-7

Item 0-22.1:

The sum of emissions from all regulated processes specified in this permit for the emission unit cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: 0-0MAIN

CAS No: 007446095 (From Mod 0)

Name: SULFUR DIOXIDE

PTE(s): 1.23 pounds per hour

10,780 pounds per year

CAS No: 0NY210000 (From Mod 0)

Name: OXIDES OF NITROGEN

PTE(s): 3.34 pounds per hour

29,280 pounds per year