

**New York State Department of Environmental Conservation
Facility DEC ID: 9143600010**



**PERMIT
Under the Environmental Conservation Law (ECL)**

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 9-1436-00010/00007
Mod 0 Effective Date: 10/17/2000 Expiration Date: No expiration date.
Mod 1 Effective Date: 02/04/2002 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: COLLINS/GOWANDA CORRECTIONAL FACILITY
MIDDLE RD
COLLINS, NY 14034-0490

Contact: JAMES BERBARY
COLLINS CORRECTIONAL FACILITY
PO BOX 490
COLLINS, NY 14034-0490
(716) 532-4588

Description:

**PERMIT MODIFICATION DESCRIPTION
COLLINS/GOWANDA CORRECTIONAL FACILITY
AIR STATE FACILITY PERMIT MODIFICATION
DEC I.D. No. 9-1436-00010**

The Collins/Gowanda Correctional Facility (C/GCF), located on Middle Road in Collins, New York, is a prison complex owned and operated by the New York State Department of Corrections. This facility consists of two prisons, Collins (I & II) and Gowanda, housing a total of approximately 4000 male inmates. The C/GCF, located in a marginal nonattainment area for ozone, currently operates five boilers (Nos. 1, 2, 3, 4 and 5) which supply steam for space heating, laundry services and domestic hot water for the entire prison complex. This modification consists of the construction of a new powerhouse with the installation of three new boilers and the relocation of a boiler from the existing powerhouse to the new powerhouse. The remaining boilers in the existing powerhouse, Nos. 1, 2, 3, and 4 will be



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shutdown and removed. The Standard Industrial Classification (SIC) Code for this facility is 9223-Correctional Institutions.

This Modification (Mod 1) will be carried out in two phases. During Phase I, a new powerhouse (Building 68A) will be constructed, in which three new low-NO_x, dual-fueled stationary boilers, with maximum design heat input capacities of 63.2 MMBTU/hr each, will be installed. These emission sources, 0B01A, 0B02A, and 0B03A will be contained in Emission Unit (EU) 0-MAIN1. The five existing boilers, Emission Sources 00B01, 00B02, 00B03, 00B04 and 00B05 from EU 0-0MAIN will supply steam for heat, laundry services and domestic hot water to the facility during this phase. Operation of the boilers in EU 0-0MAIN will cease at the completion of Phase I in approximately April of 2002. At that time, Phase II will commence, during which the three new boilers, contained in EU 0-MAIN1, will begin operation supplying steam to the prison complex. During Phase II, Boilers 1, 2, 3, and 4 will be dismantled and removed and Boiler No. 5 will be relocated to the newly constructed powerhouse. The relocated boiler will be renamed Boiler No. 4A (Emission Source 0B04A) and will also be contained in EU 0-MAIN1. All four boilers in EU 0-MAIN1 will share a common stack, EP 0001A. The old powerhouse, Building 68, will continue to house several large emergency generators. At the completion of Phase II, EU 0-0MAIN shall be expired from the permit, subsequent to the receipt of written notification from C/GCF that Boilers 1-4 have been removed and Boiler 5 has been relocated and verification of this through inspection by a NYSDEC representative. This modification will also include the relocation of two 20,000 gallon No. 2 fuel oil storage tanks from behind Building 68 to the vicinity of Building 68A.

During the modification the total maximum heat input capacity of the boilers on site will increase from 186.6 MMBTU/hr to 376.2 MMBTU/hr. When the removal of the boilers at the existing powerhouse is complete, the total maximum heat input capacity of the boilers will be reduced to 223.1 MMBTU/hr, which will include only the four boilers, 1A, 2A, 3A, and 4A at the new powerhouse. In accordance with 40CFR52.21(b)(1)(i)(a), the major source applicability threshold for fossil fuel boilers (or combinations thereof) totaling more than 250 million British thermal units per hour heat input is 100 tpy or more for the PTE of PSD regulated contaminants. The attainment contaminants that exceed this threshold are SO₂ and CO, which will be capped at 99 tpy to avoid the requirements of PSD. To avoid the requirements of New Source Review (NSR), the PTE of NO_x will be limited to 99 tpy also. These emission caps include all sources of NO_x, SO₂ and CO throughout the facility, including trivial and exempt activities. These emission caps will also allow C/GCF to avoid the requirements of 6NYCRR Subpart 201-6, Title V Facility Permits and 6NYCRR227-2, Reasonably Available Control Technology (RACT) for Oxides of Nitrogen. This permit modification included the removal of the PSD CAP on EU 0-0MAIN for NO_x and SO₂ at 73.9 tpy and 208 tpy, respectively. Like EU 0-0MAIN, EU 0-MAIN1 is subject to the requirements of 40CFR60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, which includes a 0.5% sulfur content limit for No. 2 fuel oil, an opacity limit and recordkeeping/reporting requirements. EU 0-MAIN1 is also subject to the general provisions of 40CFR60 listed under Subpart A. An emission unit was added to the ASF permit to account for the two 20,000 gallon No. 2 fuel oil storage tanks that are subject to recordkeeping requirements under 40 CFR60, Subpart Kb. EU 00GAS has been removed from the permit and the applicable requirements under 6NYCRR230 placed at the facility level.

The modified Air State Facility permit contains a complete listing of the applicable federal and state requirements for the facility, its emission units and processes and specifies the monitoring, recordkeeping and reporting required to verify compliance with all limits. Appendix A contains a list of

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exempt activities as defined by 6NYCRR 201-3.2.

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: DAVID S DENK
 DIVISION OF ENVIRONMENTAL PERMITS
 270 MICHIGAN AVE
 BUFFALO, NY 14203-2999

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

Permit Modifications, Suspensions, and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal -REGION 9
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 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 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 9 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 9 Headquarters
Division of Environmental Permits
270 Michigan Avenue
Buffalo, NY 14203-2999
(716) 851-7165



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ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

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Facility: COLLINS/GOWANDA CORRECTIONAL FACILITY
MIDDLE RD
COLLINS, NY 14034-0490

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



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 22 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 5 6NYCRR 200.7: Maintenance of equipment
- 9 6NYCRR 201-1.7: Recycling and Salvage
- 10 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the Air
- 12 6NYCRR 201-3.2(a): Proof of Eligibility
- 15 6NYCRR 201-3.3(a): Proof of Eligibility
- 20 6NYCRR 202-1.1: Required emissions tests
- 21 6NYCRR 211.3: Visible emissions limited.
- 1 6NYCRR 200.1: Definitions Applicable To This Permit
- 2 6NYCRR 200.3: False statement
- 3 6NYCRR 200.5: Sealing
- 4 6NYCRR 200.6: Acceptable ambient air quality
- 6 6NYCRR 201-1.2: Unpermitted Emission Sources
- 8 6NYCRR 201-1.5: Emergency Defense
- 11 6NYCRR 201-1.10(a): Public Access to Recordkeeping
- 1-1 6NYCRR 201-3.2(b): Compliance Demonstration
- 14 6NYCRR 201-3.2(c)(6): Compliance Demonstration
- 1-2 6NYCRR 201-3.3(b): Compliance Demonstration
- 17 6NYCRR 201-7.2: Facility Permissible Emissions
- *1-3 6NYCRR 201-7.2: Compliance Demonstration
- 1-4 6NYCRR 225-1.2: Compliance Demonstration
- 24 6NYCRR 225-1.8: Compliance Demonstration
- 1-5 6NYCRR 227-1.3: Compliance Demonstration
- 1-6 6NYCRR 227-1.3: Compliance Demonstration
- 27 6NYCRR 227-1.6(a): Corrective action.
- 28 6NYCRR 227-1.6(b): Corrective action.
- 29 6NYCRR 227-1.6(c): Corrective action.
- 30 6NYCRR 227-1.6(d): Corrective action.
- 1-7 6NYCRR 227-2: Facility Permissible Emissions
- *1-8 6NYCRR 227-2: Compliance Demonstration
- 1-9 6NYCRR 230.5: Compliance Demonstration
- 1-10 6NYCRR 231-2: Facility Permissible Emissions
- *1-11 6NYCRR 231-2: Compliance Demonstration
- 1-12 6NYCRR 231-2: Compliance Demonstration
- 1-13 40CFR 52.21, Subpart A: Facility Permissible Emissions
- *1-14 40CFR 52.21, Subpart A: Compliance Demonstration
- 1-15 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 1-16 40CFR 60.7, NSPS Subpart A: Compliance Demonstration
- 1-17 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 1-18 40CFR 60.8(b), NSPS Subpart A: Performance test methods.



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- 1-19 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 1-20 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 1-21 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 1-22 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 1-23 40CFR 60.11(a), NSPS Subpart A: Compliance with Standards and Maintenance Requirements
- 1-24 40CFR 60.11(d), NSPS Subpart A: Compliance with Standards and Maintenance Requirements
- 1-25 40CFR 60.12, NSPS Subpart A: Circumvention.
- 1-26 40CFR 60.14, NSPS Subpart A: Modifications.
- 1-27 40CFR 60.15, NSPS Subpart A: Reconstruction

Emission Unit Level

EU=0-0MAIN

- 34 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 1-28 40CFR 60, NSPS Subpart Dc: Compliance Demonstration

EU=0-MAIN1

- 1-44 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 1-29 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Demonstration
- 1-30 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Demonstration
- 1-31 40CFR 60.48c(i), NSPS Subpart Dc: Compliance Demonstration

EU=0-MAIN1,Proc=OL1

- 1-32 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Demonstration
- 1-33 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period.
- 1-34 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability.
- 1-35 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Demonstration
- 1-36 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Demonstration
- 1-37 40CFR 60.43c(d), NSPS Subpart Dc: Enforceability of particulate matter and opacity standards.
- 1-38 40CFR 60.44c(h), NSPS Subpart Dc: Compliance Demonstration
- 1-39 40CFR 60.45c, NSPS Subpart Dc: Compliance Demonstration
- 1-40 40CFR 60.48c(b), NSPS Subpart Dc: Compliance Demonstration
- 1-41 40CFR 60.48c(d), NSPS Subpart Dc: Compliance Demonstration
- 1-42 40CFR 60.48c(e), NSPS Subpart Dc: Compliance Demonstration
- 1-43 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Demonstration

EU=0-TANKS

- 1-45 40CFR 60.110b, NSPS Subpart Kb: Compliance Demonstration
- 1-46 40CFR 60.111b, NSPS Subpart Kb: Compliance Demonstration
- 1-47 40CFR 60.116b(a), NSPS Subpart Kb: Compliance Demonstration
- 1-48 40CFR 60.116b(b), NSPS Subpart Kb: Records of the dimension and capacity of storage vessels

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STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

1-49 6NYCRR 201-1.4: Unavoidable noncompliance and violations

55 6NYCRR 201-5: General Provisions

1-50 6NYCRR 201-5: Permit Exclusion Provisions

56 6NYCRR 201-5: Emission Unit Definition

57 6NYCRR 201-5.3(b): Contaminant List

58 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

59 6NYCRR 201-5: Emission Point Definition By Emission Unit

60 6NYCRR 201-5: Process Definition By Emission Unit

NOTE: * preceding the condition number indicates capping.

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FEDERALLY ENFORCEABLE CONDITIONS

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

Condition 22: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 215

Item 22.1:

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.

Condition 5: Maintenance of equipment
Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.7

Item 5.1:

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

Condition 9: Recycling and Salvage
Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 9.1:

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

Condition 10: Prohibition of Reintroduction of Collected Contaminants to the Air
Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 10.1:

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

Condition 12: Proof of Eligibility
Effective between the dates of 10/17/2000 and Permit Expiration Date



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

Item 12.1:

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 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.

Condition 15: Proof of Eligibility

Effective between the dates of 10/17/2000 and Permit Expiration Date

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

Item 15.1:

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 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.

Condition 20: Required emissions tests

Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 20.1:

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.

Condition 21: Visible emissions limited.

Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 211.3

Item 21.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-



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minute period per hour of not more than 57 percent opacity.

Condition 1: Definitions Applicable To This Permit
Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.1

Item 1.1:

The definitions found in Parts 200 and 201 apply throughout this permit. Specific definitions used in this permit and their meanings include:

1. "Act" refers to the Federal Clean Air Act, 42 U.S.C. Section 7401, et seq., as amended by Public Law 101-549, November 15, 1990.
2. "Administrator" refers to the Administrator of the United States Environmental Protection Agency or designee.
3. "Department" refers to the New York State Department of Environmental Conservation.

Condition 2: False statement
Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.3

Item 2.1:

No person shall make a false statement in connection with applications, plans, specifications and/or reports submitted pursuant to this Subchapter.

Condition 3: Sealing
Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.5

Item 3.1:

(a) 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 labelling 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.

(b) 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.

(c) Unless authorized by the commissioner, no person shall remove or alter any seal affixed to any

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contamination source in accordance with this section

Condition 4: Acceptable ambient air quality
Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.6

Item 4.1:

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

Condition 6: Unpermitted Emission Sources
Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.2

Item 6.1:

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.

Condition 8: Emergency Defense
Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.5

Item 8.1:

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



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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.

Condition 11: Public Access to Recordkeeping
Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.10(a)

Item 11.1:

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.

Condition 1-1: Compliance Demonstration
Effective between the dates of 02/04/2002 and Permit Expiration Date

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

Item 1-1.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-1.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Maintenance of Control Equipment:

The owner and/or operator of any emission source or unit that is eligible to be exempt on the basis of the use of appropriate control devices shall operate and maintain



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such devices in a manner consistent with good engineering practices. Failure to do so constitutes a violation of this Part.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

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 14: Compliance Demonstration
Effective between the dates of 10/17/2000 and Permit Expiration Date

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

Item 14.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 14.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The Collins/Gowanda Correctional Facility operates thirteen (13) emergency generators, eleven diesel fired and two fired with No. 2 fuel oil. These generators are considered exempt sources if utilized for emergencies only, including times when the usual sources of heat, power, water and lighting are temporarily unobtainable, or to provide power to fire-fighting equipment. As proof of exempt eligibility for the emergency generators, the facility shall maintain monthly records which demonstrate that each engine is operated less than 500 hours per year, on a 12-month rolling total basis. An hour counter or similar device shall be utilized to monitor hours of operation, which shall be recorded in a bound log book each month. The emergency generators shall be operated and maintained according to manufacturer's specifications to insure proper performance. Records demonstrating hours of operation, the manufacturer's maintenance requirements and the maintenance performed on these sources shall be kept on-site for five years and be readily available to NYSDEC representatives upon request.

Work Practice Type: HOURS PER YEAR OPERATION



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Upper Permit Limit: 499 hours
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2001.
Subsequent reports are due every 12 calendar month(s).

Condition 1-2: Compliance Demonstration
Effective between the dates of 02/04/2002 and Permit Expiration Date

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

Item 1-2.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-2.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Maintenance of Control Equipment:

The owner and/or operator of any emission source or unit that is listed as being trivial in this Part, on the basis of the use of appropriate emission control devices, shall operate and maintain such devices in a manner consistent with good engineering practices. Failure to do so constitutes a violation of this Part.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

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 17: Facility Permissible Emissions
Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 17.1:

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

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



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CAS No: 000630-08-0 (From Mod 1) PTE: 198,000 pounds per year
Name: CARBON MONOXIDE

CAS No: 007446-09-5 (From Mod 1) PTE: 198,000 pounds per year
Name: SULFUR DIOXIDE

CAS No: 0NY210-00-0 (From Mod 1) PTE: 198,000 pounds per year
Name: OXIDES OF NITROGEN

Condition 1-3: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 1-3.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 0-0MAIN

Emission Unit: 0-MAIN1

Emission Unit: X-CMBST

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

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

CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-3.2:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The Collins/Gowanda Correctional Facility (C/GCF) has a facility wide annual potential to emit (PTE) more than 100 tons each of carbon monoxide (CO), sulfur dioxide (SO₂), and oxides of nitrogen (NO_x) which exceeds the applicability threshold specified in Title 6 of the Official Compilation of Codes, Rules, and Regulations of the State of New York (6NYCRR), Subpart 201-6, " Title V Facility Permits". The C/GCF has chosen to limit the facility-wide total emissions of CO, SO₂, and NO_x to 99 TPY each to avoid the requirements of 6NYCRR201-6 as determined by summing the individual monthly emissions



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during any consecutive 12-month period from any source emitting these contaminants, including exempt and trivial activities. The monitoring, recordkeeping and reporting requirements for these emission CAPs are specified in this Air State Facility permit under 40CFR52.21 for SO₂ and CO and under 6NYCRR231-2 for NO_x. The annual reports required under 40CFR52.21 and 6NYCRR231-2 in this permit to certify compliance with the respective CO, SO₂, and NO_x emission CAPs shall also certify compliance with the CO, SO₂, and NO_x emission CAPs to avoid the requirements of 6NYCRR201-6.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: FUEL

Upper Permit Limit: 99 tons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

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 1-4: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 225-1.2

Item 1-4.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 0-0MAIN

Emission Unit: 0-MAIN1

Emission Unit: X-CMBST

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:



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The Collins/Gowanda Correctional Facility is subject to the requirements of 6NYCRR225-1.2 (a)(2) and 6NYCRR225-1.2(d), limiting the sulfur content of No. 2 or distillate oil used throughout the facility to 1.5 % by weight or less. EU 0-0MAIN and EU 0-MAIN1 are subject to the more stringent requirements of 40CFR60, Subpart Dc, which supercede the requirements of 6NYCRR225-1.2, limiting the sulfur content in fuel oil used in the boilers operated in those emission units to 0.5% by weight or less. The sulfur content of the No. 2/distillate oil used throughout the facility shall be verified through vendor certification for each batch/delivery. These records shall be maintained for five years and shall be readily available for NYSDEC review upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 1.5 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: ANNUALLY (CALENDAR)
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 24: Compliance Demonstration
Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 225-1.8

Item 24.1:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 24.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Upon request the owner or operator of a facility which purchases and fires coal or oil shall submit reports to the commissioner containing fuel analyses, information on the quantity of the fuel received, burned or sold, and



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results of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6NYCRR Part 225-1. Sampling, compositing and analysis of fuel samples must be done in accordance with methods acceptable to the commissioner. Records shall be retained onsite for at least five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-5: Compliance Demonstration
Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 227-1.3

Item 1-5.1:

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

Emission Unit: 0-0MAIN

Emission Unit: 0-MAIN1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-5.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

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

(b) Compliance with the opacity standard may be determined by:

(1) conducting observations in accordance with Reference Method 9 in Appendix A of 40CFR60;

(2) evaluating Continuous Opacity Monitoring System (COMS) records and reports; and/or

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(3) considering any other credible evidence.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: DAILY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: ANNUALLY (CALENDAR)
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 1-6: Compliance Demonstration
Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 227-1.3

Item 1-6.1:

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

Emission Unit: 0-0MAIN

Emission Unit: 0-MAIN1

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

Item 1-6.2:

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

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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**) 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.

At all times stationary combustion installations shall be operated and maintained according to manufacturer's specifications to insure proper performance and compliance with the regulatory limit for opacity. Records demonstrating hours of operation, fuel usage, the manufacturer's maintenance requirements and procedures and maintenance performed for these sources shall be maintained on-site for five years and be readily available to NYSDEC representatives upon request.

Compliance with these monitoring, recordkeeping and reporting requirements shall also fulfill the requirements specified under 40CFR60.43c(c), NSPS Subpart Dc for EU 0-0MAIN and EU 0-MAIN1.

** 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

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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: Method 9
Monitoring Frequency: DAILY
Reporting Requirements: ANNUALLY (CALENDAR)
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 27: Corrective action.
Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 227-1.6(a)

Item 27.1:

Any facility found in violation of the provisions of this Part shall not cause, permit, or allow the operation of the affected stationary combustion installation unless:

- (1) it is equipped with approved emission control equipment;
- (2) it is rehabilitated or upgraded in an approved manner; or
- (3) the fuel is changed to an acceptable type.

Condition 28: Corrective action.
Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 227-1.6(b)

Item 28.1:

The commissioner may seal the affected stationary combustion installation that does not comply with the provisions in subdivision 6 NYCRR 227-1.6(a) within the time provided.

Condition 29: Corrective action.
Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 227-1.6(c)

Item 29.1:

No person shall cause, permit, or allow the operation of any affected stationary combustion installation sealed by the commissioner in accordance with this section.



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Condition 30: Corrective action.

Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 227-1.6(d)

Item 30.1:

No person except the commissioner or his representative shall remove, tamper with, or destroy any seal affixed to any affected stationary combustion installation.

Condition 1-7: Facility Permissible Emissions

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 227-2

Item 1-7.1:

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

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

CAS No: 0NY210-00-0 (From Mod 1) PTE: 198,000 pounds per year

Name: OXIDES OF NITROGEN

Condition 1-8: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 227-2

Item 1-8.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 0-0MAIN

Emission Unit: 0-MAIN1

Emission Unit: X-CMBST

Regulated Contaminant(s):

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

Item 1-8.2:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: MONITORING OF PROCESS OR CONTROL

DEVICE PARAMETERS AS SURROGATE

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Monitoring Description:

Under 6NYCRR227-2, Reasonably Available Control Technology for Oxides of Nitrogen (NOx RACT) any owner or operator of a major stationary source of oxides of nitrogen in New York State must use RACT to control emission of NOx. The C/GCF operates source categories subject to RACT including mid-size boilers, small boilers, internal combustion engines and other combustion sources and has a potential to emit (PTE) greater than 100 tpy NOx. The Facility has chosen to limit the facility's PTE NOx throughout the entire facility, including exempt and trivial activities, to less than the 100 tpy applicability threshold to avoid the requirements of 6NYCRR227-2. The emissions CAP on NOx which limits facility emissions to 99 tpy or less, specified under 6NYCRR231-2 in this permit, will also CAP the C/GCF out of NOx RACT. The annual report required under 6NYCRR231-2 to certify compliance with the NOx emissions CAP shall also certify compliance with this 6NYCRR227-2 NOx emissions CAP. If the facility NOx emissions ever meet or exceed the applicability threshold for 6NYCRR227-2, the C/GCF shall be considered in violation, unless NOx RACT requirements are met previous to the exceedance.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: FUEL

Upper Permit Limit: 99 tons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

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 1-9: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 230.5

Item 1-9.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 008006-61-9 GASOLINE

Item 1-9.2:



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Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

In accordance with 6NYCRR230.1(4), a gasoline dispensing site is defined as any site where gasoline is dispensed into vehicle fuel tanks or into portable containers used to fuel any motor from any stationary storage container(s) larger than 250 gallons. The C/GCF operates a gasoline dispensing site containing one underground gasoline storage tank with a capacity of 4000 gallons and an average annual throughput of 30,000 gallons of gasoline. This dispensing site also contains a 1000 gallon propane tank and a 2000 gallon underground storage tank for diesel fuel with an average annual throughput of 41,700 gallons.

In accordance with 6NYCRR230.5, the owner and/or operator of any gasoline dispensing site must maintain records showing the quantity of all gasoline delivered to the site each month. Rolling 12-month totals shall be determined by summing the individual monthly quantities of gasoline delivered to the site during any consecutive 12-month period. The rolling 12-month totals shall be calculated each month and shall be used to determine if the annual throughput exceeds 120,000 gallons, thereby making the site subject to the requirements of 230.2. The appropriate Stage I and Stage II vapor collection systems must be in place prior to any site exceeding 120,000 gallons in annual throughput. These records must be maintained at the gasoline site in a manner that allows expeditious review for a period of five years and shall be made available to NYSDEC representatives upon request during normal business hours.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: GASOLINE

Upper Permit Limit: 120000 gallons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

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 1-10: Facility Permissible Emissions



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Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 231-2

Item 1-10.1:

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

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

CAS No: 0NY210-00-0 (From Mod 1) PTE: 198,000 pounds per year
Name: OXIDES OF NITROGEN

Condition 1-11: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 231-2

Item 1-11.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 0-0MAIN

Emission Unit: 0-MAIN1

Emission Unit: X-CMBST

Regulated Contaminant(s):

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

Item 1-11.2:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The C/GCF shall not exceed a facility-wide total emission rate of 99 TPY of NO_x to avoid the requirements of 6NYCRR231-2, New Source Review (NSR) in Nonattainment Areas and Ozone Transport Regions, as determined by summing the individual monthly emissions from all sources throughout the facility which emit NO_x to the atmosphere, including exempt and trivial activities during any consecutive 12-month period. Compliance with this emission CAP will also allow the C/GCF to avoid the



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requirements of 6NYCRR227-2, Reasonably Available Control Technology for Oxides of Nitrogen (NO_x RACT), and 6NYCRR201-6, Title V Facility Permits. The NO_x applicability threshold for NSR, NO_x RACT and title V is 100 tpy.

Nitrous oxide emissions at the C/GCF are generated by EU 0-0MAIN, EU 0-MAIN1, and EU X-CMBST. Generally, EU 0-0MAIN and EU 0-MAIN1 will not be operated simultaneously. During Phase I of this modification, the boilers in EU 0-MAIN1 (Nos. 1A, 2A, and 3A) will be constructed, so that only the five existing boilers from EU 0-0MAIN (Boiler Nos. 1, 2, 3, 4 and 5) will be in operation. During Phase II, the boilers in EU 0-0MAIN will be shutdown and removed or relocated (Boiler No. 5 renamed 4A in EU 0-MAIN1) and EU 0-MAIN1 will begin operation. At the completion of Phase II, EU 0-0MAIN shall be expired from the permit, subsequent to inspection by a NYSDEC representative to verify the removal or relocation of the boilers. At that time, the units contributing to the facility NO_x emissions will include EU 0-MAIN1 (Boiler Nos. 1A, 2A, 3A, and 4A) and EU X-CMBST.

The C/GCF must prepare monthly NO_x emission records. Monthly fuel usage quantities obtained from fuel meters, fuel purchase records, and/or other means of fuel monitoring accepted by the Department shall be used to calculate the monthly NO_x emissions according to formulas listed below or similar formulas for the specified source category and fuel being burned. This allows the C/GCF to operate combustion sources in any combination provided the facility NO_x CAP is maintained. All dual-fueled boilers in EU 0-0MAIN and EU 0-MAIN1 may be fired with either natural gas or No. 2 fuel oil.

The C/GCF shall submit to the Regional Office of the Department an annual NO_x emission report which certifies that the Facility has operated all emission units in compliance with the limit imposed by this emission cap to avoid the requirements of NSR, NO_x RACT and title V. The report shall list the types of fuels burned at the facility, the monthly quantity of fuel burned with the corresponding NO_x emissions for each group of emission sources with the emission factors used, the rolling 12-month NO_x emissions for each consecutive month of the calendar year (current monthly emissions added to the sum of the NO_x emissions from the previous 11 months) and a

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comparison to the 99 tpy limit. The annual report shall be submitted by January 30th for the previous calendar year.

EMISSION CALCULATIONS FOR NO_x

$$\text{NO}_x \text{ (tons/month)} = A + B + C + D + E + F + G$$

where,

A = Monthly NO_x emission rate in tons based on natural gas usage for units with a maximum heat input of 0.3 to < 100 MMBTU/hr (Boilers 1, 2, 3 and 4).

$$A = (100 \text{ lbs NO}_x^* / 10E6 \text{ cf}) \times (\text{cf natural gas burned/month}) \times (\text{ton}/2000 \text{ lb})$$

* - based on avg. HHV of 1020 Btu/scf natural gas

B = Monthly NO_x emission rate in tons based on natural gas usage for low-NO_x units with a maximum heat input of 0.3 to < 100 MMBTU/hr (Boilers 1A, 2A, 3A, 4A, 5).

$$B = (50 \text{ lbs NO}_x^* / 10E6 \text{ cf}) \times (\text{cf natural gas burned/month}) \times (\text{ton}/2000 \text{ lb})$$

* - based on avg. HHV of 1020 Btu/scf natural gas

C = Monthly NO_x emission rate in tons based on natural gas usage for exempt furnaces/heaters contained in EU X-CMBST.

$$C = (100 \text{ lbs NO}_x^* / \text{MM cf}) \times (\text{cf natural gas burned/month}) \times (\text{ton}/2000 \text{ lb})$$

* - based on avg. HHV of 1020 Btu/scf natural gas

D = Monthly NO_x emission rate in tons based on No. 2 oil usage for the oil fired furnace contained in EU X-CMBST and Boiler Nos. 1, 3, 4, 1A, 2A, and 3A.

$$D = (0.020 \text{ lbs NO}_x^* / \text{gal No. 2 oil}) \times (\text{gallons No. 2 oil burned/month}) \times (\text{ton}/2000 \text{ lb})$$

* - based on avg. HHV of 140,000 Btu/gal No. 2 oil

E = Monthly NO_x emission rate in tons based on No. 2 oil usage for Boiler No. 4A and 5.

$$E = (0.027 \text{ lbs NO}_x / \text{gal No. 2 oil}) \times (\text{gallons No. 2 oil burned/month}) \times (\text{ton}/2000 \text{ lb})$$

* - based on manufacturer's performance data and avg. HHV of 142,000 Btu/gal No. 2 oil

F = Monthly NO_x emission rate in tons based on diesel or No. 2 fuel oil usage for the emergency generators rated above 447 kW contained in EU X-CMBST.

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$F = (0.45 \text{ lbs NO}_x / \text{gal oil}) \times (\text{gallons No. 2 oil or diesel burned/month}) \times (\text{ton}/2000 \text{ lb}).$

G = Monthly NO_x emission rate in tons based on diesel usage for the emergency generators rated at or below 447 kW contained in EU X-CMBST.

$G = (0.604 \text{ lbs NO}_x / \text{gal diesel}) \times (\text{gallons diesel burned/month}) \times (\text{ton}/2000 \text{ lb}).$

** based on fuel input

Emission factors are from:

-Table 1.3-1, Criteria Pollutant Emission Factors for Fuel Oil Combustion, USEPA Compilation of Air Pollutant Emission Factors, AP42, Volume 1, Volume 1: Stationary Point and Area Sources, September 1998.

-Table 1.4-1 Emission Factors for Sulfur Dioxide, Nitrogen Oxides, and Carbon Monoxide from Natural Gas Combustion, USEPA Compilation of Air Pollutant Emission Factors, AP42, Volume 1: Stationary Point and Area Sources, July 1998.

-Table 3.3-1 Emission Factors for Uncontrolled Gasoline and Diesel Industrial Engines (less than or equal to 600 hp or 447 KW) , USEPA Compilation of Air Pollutant Emission Factors, AP42, Volume 1: Stationary Point and Area Sources, October 1996.

-Table 3.4-1 Gaseous Emission Factors for Large (greater than 600 hp or 447 KW) Stationary Diesel and All Stationary Dual-Fuel Engines , USEPA Compilation of Air Pollutant Emission Factors, AP42, Volume 1: Stationary Point and Area Sources, October 1996.

-Manufacturer's Emission Performance Data for Cleaver Brooks Boiler, Model CB LE 200-800 200

4. The Facility shall maintain and keep records which include information on all source test information, fuel type and usage, fuel heating value and monthly logs of the hours of operation of the emergency generators based on hour meter readings for each generator. Fuel usage records shall show the quantity of fuel burned on a monthly basis and be used to compute annual NO_x emissions as described above. These records shall be based on verifiable data such as fuel metering data and/or fuel purchase records to confirm the general accuracy of the monthly fuel usage amounts. All records and corresponding emission calculations shall be kept on site for a minimum of five years. This information shall be made available to the

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Department upon request. Department representatives must be granted access to the CGCF 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.

5. The emission of pollutants at or in exceedance of the applicability thresholds for NSR, NO_x RACT, and Title V constitutes a violation of 6NYCRR231-2, 6NYCRR227-2, 6NYCRR201-6 and the Act. Any noncompliance with the NO_x emission limit shall be reported to the Department within 30 days of occurrence. Permit noncompliance is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. At all times, combustion sources at the C/GCF, including sources contained in EU 0-0MAIN, EU 0-MAIN1 and EU X-CMBST, shall be operated and maintained in accordance with manufacturer's specifications to minimize NO_x emissions.

6. All submittals to the Department shall be certified by the C/GCF's responsible official as to the truth, completeness, and accuracy of all information recorded and reported.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: FUEL

Upper Permit Limit: 99 tons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

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 1-12: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 231-2

Item 1-12.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 0-MAIN1

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Emission Unit: X-CMBST

Emission Unit: 0-0MAIN

Regulated Contaminant(s):

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

Item 1-12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To avoid the requirements of 6NYCRR231-2, New Source Review (NSR), the C/GCF has capped facility NOx emissions at 99 tpy, which is less than the applicability threshold for NSR. The facility level monitoring condition for that requirement (see Monitoring of Process or Control Device Parameters as Surrogate), is based on the use of low-NOx burners in Boilers 1A, 2A, 3A and 4A/5, with an emission factor of 50 lb NOx/10E6 cf for natural gas. The authorization to use this emission factor is subject to the substantiation of low-NOx performance of the boilers in EU 0-MAIN1. Prior to the purchase of the new low-NOx packaged boilers, the C/GCF shall submit to the Department's Regional Office for approval the specifics of the low-NOx technology (i.e. fuel/air management system and microprocessor), with operating requirements, vendor performance/stack test data and NOx emission rate guarantees. The same shall be submitted for the relocated existing low-NOx boiler (No. 4A). This condition will no longer be applicable once the required information demonstrating low-NOx technology is approved.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-13: Facility Permissible Emissions

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 1-13.1:

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

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



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CAS No: 000630-08-0 (From Mod 1) PTE: 198,000 pounds per year
Name: CARBON MONOXIDE

CAS No: 007446-09-5 (From Mod 1) PTE: 198,000 pounds per year
Name: SULFUR DIOXIDE

Condition 1-14: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 1-14.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 0-0MAIN

Emission Unit: 0-MAIN1

Emission Unit: X-CMBST

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-14.2:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The CGCF shall not exceed a facility-wide total emission rate of 99 TPY each of SO₂ and CO to avoid the requirements of 40CFR52.21, Prevention of significant deterioration of air quality as determined by summing the individual monthly emissions from all sources throughout the facility which emit SO₂ and/or CO to the atmosphere, including exempt and trivial activities during any consecutive 12-month period. Compliance with these emission CAPs will also allow CGCF to avoid the requirements of 6NYCRR201-6, Title V Facility Permits. The applicability threshold for both PSD and title V is 100 tpy each of SO₂ and CO.

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Sulfur dioxide and CO emissions at the C/GCF are generated by EU 0-0MAIN, EU 0-MAIN1, and EU X-CMBST. Generally, EU 0-0MAIN and EU 0-MAIN1 will not be operated simultaneously. During Phase I of this modification, the boilers in EU 0-MAIN1 (Nos. 1A, 2A, and 3A) will be constructed, so that only the five existing boilers from EU 0-0MAIN (Boiler Nos. 1, 2, 3, 4 and 5) will be in operation. During Phase II, the boilers in EU 0-0MAIN will be shutdown and removed or relocated (Boiler No. 5 renamed 4A in EU 0-MAIN1) and EU 0-MAIN1 will begin operation. At the completion of Phase II, EU 0-0MAIN shall be expired from the permit, subsequent to inspection by a NYSDEC representative to verify the removal or relocation of the boilers. At that time, the units contributing to the facility SO₂ and CO emissions will include EU 0-MAIN1 (Boiler Nos. 1A, 2A, 3A, and 4A) and EU X-CMBST.

The C/GCF must prepare monthly SO₂ and CO emission records. Monthly fuel usage quantities obtained from fuel meters, fuel purchase records, and/or other means of fuel monitoring accepted by the Department shall be used to calculate the monthly SO₂ and CO emissions according to formulas listed below or similar formulas for the specified source category and fuel burned. This allows the CGCF to operate the combustion sources in any combination provided the facility SO₂ and CO caps are maintained. All dual-fueled boilers in EU 0-0MAIN and EU 0-MAIN1 may be fired with either natural gas or No. 2 fuel oil.

The C/GCF shall submit to the Regional Office of the Department annual SO₂ and CO emission reports which certify that the Facility has operated all emission units in compliance with the limits imposed by the emission caps to avoid the requirements of PSD and title V. The reports shall list the types of fuels burned at the CGCF, the monthly quantity of fuel burned with the corresponding SO₂ and CO emissions for each group of emission sources and emission factors used, the rolling 12-month SO₂ and CO emissions for each consecutive month of the calendar year (current monthly emissions added to the sum of the SO₂ or CO emissions from the previous 11 months) and a comparison to the 99 tpy limits. The annual reports shall be submitted by January 30th for the previous calendar year.



EMISSION CALCULATIONS FOR SO₂ AND CO

SO₂ (tons/month) = A + B + C + D + E + F + G
where,

A = Monthly SO₂ emission rate in tons based on natural gas usage for units with a maximum heat input up to 100 MMBTU/hr (Boiler Nos. 1, 2, 3, and 4 in EU-0MAIN; Boiler Nos. 1A, 2A, and 3A in EU-MAIN1).

A = (0.6 lbs SO₂* /10E6 cf) x (cf natural gas burned/month) x (ton/2000 lb)

* - based on avg. HHV of 1020 Btu/scf natural gas

B = Monthly SO₂ emission rate in tons based on natural gas usage for Boiler No. 5 (EU-0MAIN)/4A (EU-MAIN1).

B = (1.05 lbs SO₂* /10E6 cf) x (cf natural gas burned/month) x (ton/2000 lb)

* - based on manufacturer's performance data and avg. HHV of 1030 Btu/scf natural gas

C = Monthly SO₂ emission rate in tons based on No. 2 oil (with sulfur content of 0.5 wt. %) usage in EU 0-0MAIN and EU-MAIN1.

C = (0.072 lbs SO₂* /gal No. 2 oil) x (gallons No. 2 oil burned/month) x (ton/2000 lb).

* - based on avg. HHV of 140,000 Btu/gal No. 2 oil, emission factor is the average of AP-42 factor and manufacturer's performance data

D = Monthly SO₂ emission rate in tons based on natural gas usage for exempt furnaces/heaters contained in EU X-CMBST.

D = (0.6 lbs SO₂* /10E6 cf) x (cf natural gas burned/month) x (ton/2000 lb)

* - based on avg. HHV of 1020 Btu/scf natural gas

E = Monthly SO₂ emission rate in tons based on No. 2 oil usage for oil-fired furnace in EU X-CMBST, where S is the sulfur content of No. 2 fuel oil in weight % (for sulfur content of 1.5 %, S = 1.5).

E = (0.142S lbs SO₂* /gal No. 2 oil) x (gallons No. 2 oil burned/month) x (ton/2000 lb).

* - based on avg. HHV of 140,000 Btu/gal No. 2 oil

F = Monthly SO₂ emission rate in tons based on No. 2 oil or diesel usage for the emergency generators rated above 447 kW contained in EU X-CMBST.

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$F = (0.072 \text{ lbs SO}_2 / \text{gal No. 2 oil}) \times (\text{gallons No. 2 oil burned/month}) \times (\text{ton}/2000 \text{ lb}).$

G = Monthly SO₂ emission rate in tons based on diesel usage for the emergency generators rated below 447 kW contained in EU X-CMBST.

$G = (0.107 \text{ lbs SO}_2 / \text{gal diesel}) \times (\text{gallons diesel burned/month}) \times (\text{ton}/2000 \text{ lb}).$

$\text{CO (tons/month)} = A + B + C + D$

where,

A = Monthly CO emission rate in tons based on natural gas usage for units with a maximum heat input < 100 MMBTU/hr (Boilers 1, 2, 3, 4 and 5 in EU 0-0MAIN; Boilers 1A, 2A, 3A, and 4A in EU 0-MAIN1).

$A = (84 \text{ lbs CO}^* / 10\text{E}6 \text{ cf}) \times (\text{cf natural gas burned/month}) \times (\text{ton}/2000 \text{ lb})$

* - based on avg. HHV of 1020 Btu/scf natural gas

B = Monthly CO emission rate in tons based on natural gas usage for exempt furnaces/heaters.

$B = (84 \text{ lbs CO}^* / 10\text{E}6 \text{ cf}) \times (\text{cf natural gas burned/month}) \times (\text{ton}/2000 \text{ lb})$

* - based on avg. HHV of 1020 Btu/scf natural gas

C = Monthly CO emission rate in tons based on No. 2 oil usage for the oil fired furnace and Boiler Nos. 1, 3, 4, 5, 1A, 2A, 3A and 4A.

$C = (0.005 \text{ lbs CO}^* / \text{gal No. 2 oil}) \times (\text{gallons No. 2 oil burned/month}) \times (\text{ton}/2000 \text{ lb}).$

* - based on avg. HHV of 140,000 Btu/gal No. 2 oil

D = Monthly CO emission rate in tons based on diesel or No. 2 fuel oil usage for the emergency generators

$D = (0.13 \text{ lbs CO}/\text{gal diesel or No. 2 fuel oil}) \times (\text{gallons diesel burned/month}) \times (\text{ton}/2000 \text{ lb}).$

Emission factors are from:

-Table 1.3-1, Criteria Pollutant Emission Factors for Fuel Oil Combustion, USEPA Compilation of Air Pollutant Emission Factors, AP42, Volume 1, Volume 1: Stationary Point and Area Sources, September 1998.

-Table 1.4-1 Emission Factors for Nitrogen Oxides (NO_x) and Carbon Monoxide (CO) from Natural Gas Combustion,

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USEPA Compilation of Air Pollutant Emission Factors, AP42, Volume 1: Stationary Point and Area Sources, July 1998.

-Table 1.4-2 Emission Factors for Criteria Pollutants and Greenhouse Gases from Natural Gas Combustion, USEPA Compilation of Air Pollutant Emission Factors, AP42, Volume 1: Stationary Point and Area Sources, July 1998.

-Table 3.3-1 Emission Factors for Uncontrolled Gasoline and Diesel Industrial Engines, USEPA Compilation of Air Pollutant Emission Factors, AP42, Volume 1: Stationary Point and Area Sources, October 1996.

-Manufacturer's Emission Performance Data for Cleaver Brooks Boiler, Model CB LE 200-800 200

4. The Facility shall maintain and keep records which include information on all source test information, fuel type and usage, fuel heating value and monthly logs of the hours of operation for the emergency generators based on hour meter readings for each generator. Fuel usage records shall show the quantity of fuel burned on a monthly basis and be used to compute annual SO₂ and CO emissions as described above. These records shall be based on verifiable data such as fuel metering data and/or fuel purchase records to confirm the general accuracy of the monthly fuel usage amounts. All records and corresponding emission calculations shall be kept on site for a minimum of five years. This information shall be made available to representatives of the Department upon request. Department representatives must be granted access to the CGCF 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.

5. The emission of pollutants at or in exceedance of the applicability thresholds for PSD and Title V constitutes a violation of 40CFR52.21 and 6NYCRR201-6 and of the Act. Any noncompliance with the SO₂ and/or CO emission limits shall be reported to the Department within 30 days of occurrence. Permit noncompliance is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. At all times, combustion sources at the C/GCF, including sources contained in EU 0-0MAIN, EU 0-0MAIN1 and EU X-CMBST, shall be operated and maintained in accordance with manufacturer's specifications to

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minimize CO and SO2 emissions.

6. All submittals to the Department shall be certified by the CGCF's responsible official as to the truth, completeness, and accuracy of all information recorded and reported..

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: FUEL

Upper Permit Limit: 99 tons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

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 1-15: EPA Region 2 address.

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 1-15.1:

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

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

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

NYSDEC
Bureau of Enforcement and Compliance Assurance
625 Broadway
Albany, NY 12233-3258

Condition 1-16: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

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Applicable Federal Requirement: 40CFR 60.7, NSPS Subpart A

Item 1-16.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-16.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Notification and record keeping.

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(1) A notification of the date construction (or reconstruction as defined under § 60.15) of an affected facility is commenced postmarked no later than 30 days after such date. This requirement shall not apply in the case of mass-produced facilities which are purchased in completed form.

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(4) A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in § 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice.

(6) A notification of the anticipated date for conducting the opacity observations required by § 60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a

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visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

(b) Any owner or operator subject to the provisions of this part shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

(f) Any owner or operator subject to the provisions of this part shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records.

(g) If notification substantially similar to that in paragraph (a) of this section is required by any other State or local agency, sending the Administrator a copy of that notification will satisfy the requirements of paragraph (a) of this section.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-17: Performance testing timeline.

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.8(a), NSPS Subpart A

Item 1-17.1:

Within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup of the facility, the owner or operator of the facility shall conduct performance testing and provide the results of such tests, in a written report, to the Administrator.

Condition 1-18: Performance test methods.



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Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.8(b), NSPS Subpart A

Item 1-18.1:

Performance testing shall be conducted in accordance with the methods and procedures prescribed in 40 CFR 60 or by alternative methods and procedures approved by the Administrator.

Condition 1-19: Required performance test information.

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.8(c), NSPS Subpart A

Item 1-19.1:

Performance tests shall be conducted under such conditions specified by the Administrator, based upon representative performance data supplied by the owner or operator of the facility.

Condition 1-20: Prior notice.

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.8(d), NSPS Subpart A

Item 1-20.1:

The owner or operator shall provide the Administrator with prior notice of any performance test at least 30 days in advance of testing.

Condition 1-21: Number of required tests.

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.8(f), NSPS Subpart A

Item 1-21.1:

Each performance test shall consist of three separate runs, at the specified duration required in the applicable test method. Compliance with all applicable standards shall be determined by using the arithmetic means of the results of the three runs.

Condition 1-22: Opacity standard compliance testing.

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.11, NSPS Subpart A

Item 1-22.1:

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

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



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2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and

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

Condition 1-23: Compliance with Standards and Maintenance Requirements
Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.11(a), NSPS Subpart A

Item 1-23.1:

Compliance with standards in 40 CFR Part 60, other than opacity standards, shall be determined in accordance with performance tests established by section 60.8 of 40 CFR Part 60 unless otherwise specified in the applicable standard.

Condition 1-24: Compliance with Standards and Maintenance Requirements
Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.11(d), NSPS Subpart A

Item 1-24.1:

At all times, including periods of startup, shutdown, and malfunction, owners and operators of this facility shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Department and the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

Condition 1-25: Circumvention.
Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A

Item 1-25.1:

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

Condition 1-26: Modifications.
Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.14, NSPS Subpart A



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Item 1-26.1:

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

Condition 1-27: Reconstruction

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.15, NSPS Subpart A

Item 1-27.1:

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

- 1) a notice of intent to reconstruct 60 days prior to the action;
- 2) name and address of the owner or operator;
- 3) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;
- 7) the estimated life of the facility after the replacements; and
- 8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

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

Condition 34: Applicability of General Provisions of 40 CFR 60 Subpart A

Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 34.1:

This Condition applies to Emission Unit: 0-0MAIN

Item 34.2:

This emission source is subject to the applicable General Provisions of 40 CFR 60. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical,



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administrative and reporting requirements.

Condition 1-28: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60, NSPS Subpart Dc

Item 1-28.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-0MAIN

Item 1-28.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The applicable requirements specified in this permit under 40CFR60, Subpart Dc for Emission Unit 0-MAIN1 shall also apply to Emission Unit 0-0MAIN. These requirements shall remain in effect until the following has been completed: (1) Boilers 1, 2, 3, 4 and 5 are either shutdown and removed or relocated to EU 0-MAIN1, (2) the Department receives written notification from the owner or operator that these actions have been completed, (3) the removal and relocation of the boilers is verified through inspection by a NYSDEC representative, and (4) EU 0-0MAIN has been expired from the ASF permit. The reporting requirements specified under all Subpart Dc related conditions for EU 0-MAIN1 shall apply for EU 0-0MAIN.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-44: Applicability of General Provisions of 40 CFR 60 Subpart A

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 1-44.1:

This Condition applies to Emission Unit: 0-MAIN1

Item 1-44.2:

This emission source is subject to the applicable General Provisions of 40 CFR 60. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements.

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Condition 1-29: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

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

Item 1-29.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-MAIN1

Item 1-29.2:

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 fired.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-30: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

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

Item 1-30.1:

The Compliance Demonstration activity will be performed for:

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Emission Unit: 0-MAIN1

Item 1-30.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day.

Monitoring Frequency: DAILY

Reporting Requirements: ANNUALLY (CALENDAR)

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 1-31: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

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

Item 1-31.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-MAIN1

Item 1-31.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

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 1-32: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

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Applicable Federal Requirement: 40CFR 60.42c(d), NSPS Subpart Dc

Item 1-32.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-MAIN1

Process: OLI

Item 1-32.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

On or after the date on which the initial performance test is completed or required to be completed under section 60.8 of this part, no owner or operator of an affected facility that combusts oil shall combust oil with a sulfur content in excess of 0.5 percent by weight.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.50 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 7/30/2002.

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

Condition 1-33: Exemption from the averaging period.

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.42c(h), NSPS Subpart Dc

Item 1-33.1:

This Condition applies to Emission Unit: 0-MAIN1

Process: OLI

Item 1-33.2:

Compliance with emission limits and/or fuel oil sulfur limitations shall be based on a certification from the fuel supplier as stated in paragraph 40 CFR 60-Dc.48c(f)(1), (2), or (3) as applicable.

Condition 1-34: Enforceability.

Effective between the dates of 02/04/2002 and Permit Expiration Date

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Applicable Federal Requirement: 40CFR 60.42c(i), NSPS Subpart Dc

Item 1-34.1:

This Condition applies to Emission Unit: 0-MAIN1
Process: OL1

Item 1-34.2:

The sulfur dioxide emission limits, percentage reductions, and fuel oil sulfur limitations shall apply at all times, including periods of startup, shutdown, and malfunction.

Condition 1-35: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

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

Item 1-35.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-MAIN1
Process: OL1

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

Item 1-35.2:

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 8.7 MW (30 million Btu/hr) or greater shall cause to be discharged into the atmosphere from that 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 percent
Reference Test Method: Method 9
Monitoring Frequency: DAILY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)



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Reporting Requirements: ANNUALLY (CALENDAR)
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 1-36: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

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

Item 1-36.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-MAIN1
Process: OLI

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

Item 1-36.2:

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
- weather condition
- was a plume observed?

Inclement weather conditions shall be recorded for those days when observations are prohibited. This logbook must

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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**) 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.

At all times stationary combustion installations shall be operated and maintained according to manufacturer's specifications to insure proper performance and compliance with the regulatory limit for opacity. Records demonstrating hours of operation, fuel usage, the manufacturer's maintenance requirements and procedures and maintenance performed for these sources shall be maintained on-site for five years and be readily available to NYSDEC representatives upon request.

Since the monitoring, recordkeeping and reporting requirements specified under 6NYCRR227-1.3 at the facility level are equivalent to the requirements specified in this monitoring condition, compliance with 40CFR60.43c(c) for EU 0-0MAIN and EU 0-MAIN1 may be verified by compliance with the facility monitoring and recordkeeping requirements specified under 6NYCRR227-1.3.

** 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.



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Reference Test Method: Method 9
Monitoring Frequency: DAILY
Reporting Requirements: ANNUALLY (CALENDAR)
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 1-37: Enforceability of particulate matter and opacity standards.

Effective between the dates of 02/04/2002 and Permit Expiration Date

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

Item 1-37.1:

This Condition applies to Emission Unit: 0-MAIN1
Process: OL1

Item 1-37.2:

The particulate matter and opacity standards of section 40 CFR 60-Dc.43c apply at all times, except during periods of startup, shutdown, and malfunction.

Condition 1-38: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.44c(h), NSPS Subpart Dc

Item 1-38.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-MAIN1
Process: OL1

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

Item 1-38.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance and performance test methods and procedures for sulfur dioxide.

For affected facilities subject to § 60.42c(h)(1), (2), or (3) where the owner or operator seeks to demonstrate compliance with the SO₂ standards based on fuel supplier certification, the performance test shall consist of the



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certification from the fuel supplier, as described under §60.48c(f)(1), (2), or (3), as applicable.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-39: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

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

Item 1-39.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-MAIN1

Process: OL1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-39.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance and performance test methods and procedures for particulate matter.

(a) The owner or operator of an affected facility subject to the PM and/or opacity standards under § 60.43c shall conduct an initial performance test as required under § 60.8, and shall conduct subsequent performance tests as requested by the Administrator, to determine compliance with the standards using the following procedures and reference methods.

(8) Method 9 (6-minute average of 24 observations) shall be used for determining the opacity of stack emissions.

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

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).



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Condition 1-40: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

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

Item 1-40.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-MAIN1

Process: OLI

Item 1-40.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(b) The owner or operator of each affected facility subject to the SO₂ emission limits of § 60.42c, or the PM or opacity limits of § 60.43c, shall submit to the Administrator the performance test data from the initial and any subsequent performance tests.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-41: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

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

Item 1-41.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-MAIN1

Process: OLI

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-41.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject

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to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under § 60.42c shall submit reports to the Administrator. The reporting period for the reports required under this subpart is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

Condition 1-42: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

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

Item 1-42.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-MAIN1

Process: OL1

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-42.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(e) 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 and submit reports as required under paragraph (d) of this section, including the following information, as applicable.

(1) Calendar dates covered in the reporting period.

(11) If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification as described under paragraph (f)(1), (2), or (3) of this



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section, as applicable. In addition to records of fuel supplier certifications, the 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 reporting 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 7/30/2002.

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

Condition 1-43: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

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

Item 1-43.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-MAIN1

Process: OL1

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-43.2:

Compliance Demonstration shall include the following monitoring:

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

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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

Condition 1-45: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.110b, NSPS Subpart Kb

Item 1-45.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-TANKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 1-45.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§ 60.110b Applicability and designation of affected facility.

(a) Except as provided in paragraphs (b), (c), and (d) of this section, the affected facility to which this subpart applies is each storage vessel with a capacity greater than or equal to 40 cubic meters (m³) that is used to store volatile organic liquids (VOL's) for which construction, reconstruction, or modification is commenced after July 23, 1984.

(b) Except as specified in paragraphs (a) and (b) of § 60.116b, storage vessels with design capacity less than 75 m³ are exempt from the General Provisions (part 60, subpart A) and from the provisions of this subpart.

(c) Except as specified in paragraphs (a) and (b) of § 60.116b, vessels either with a capacity greater than or equal to 151 m³ storing a liquid with a maximum true vapor pressure less than 3.5 kPa or with a capacity greater than or equal to 75 m³ but less than 151 m³ storing a liquid with a maximum true vapor pressure less



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than 15.0 kPa are exempt from the General Provisions (part 60, subpart A) and from the provisions of this subpart.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

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 1-46: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.111b, NSPS Subpart Kb

Item 1-46.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-TANKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 1-46.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§ 60.111b Definitions.

Terms used in this subpart that apply to this facility are defined as follows:

(f) Maximum true vapor pressure means the equilibrium partial pressure exerted by the stored VOL at the temperature equal to the highest calendar-month average of the VOL storage temperature for VOL's stored above or below the ambient temperature or at the local maximum monthly average temperature as reported by the National Weather Service for VOL's stored at the ambient temperature, as determined: (1) In accordance with methods described in American Petroleum Institute Bulletin 2517, Evaporation Loss from External Floating Roof Tanks, (incorporated by reference -- see § 60.17); or (2) As obtained from standard reference texts; or (3) As determined by ASTM D2879-83, 96, or 97 (incorporated by reference -- see § 60.17);

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or (4) Any other method approved by the Administrator.

(j) Storage vessel means each tank, reservoir, or container used for the storage of volatile organic liquids but does not include: (1) Frames, housing, auxiliary supports, or other components that are not directly involved in the containment of liquids or vapors; or (2) Subsurface caverns or porous rock reservoirs.

(k) Volatile organic liquid (VOL) means any organic liquid which can emit volatile organic compounds into the atmosphere except those VOL's that emit only those compounds which the Administrator has determined do not contribute appreciably to the formation of ozone. These compounds are identified in EPA statements on ozone abatement policy for SIP revisions (42 FR 35314, 44 FR 32042, 45 FR 32424, and 45 FR48941).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-47: Compliance Demonstration

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.116b(a), NSPS Subpart Kb

Item 1-47.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-TANKS

Item 1-47.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall keep copies of all records required by this section, except for the record required by paragraph (b) of this section, for at least 2 years. The record required by paragraph (b) of this section will be kept for the life of the source

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



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Reporting Requirements: ANNUALLY (CALENDAR)
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 1-48: Records of the dimension and capacity of storage vessels
Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.116b(b), NSPS Subpart Kb

Item 1-48.1:

This Condition applies to Emission Unit: 0-TANKS

Item 1-48.2:

The owner or operator of each storage vessel, as specified in 40CFR60.110b(a), shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be kept for the life of the storage vessel.

Each storage vessel with a design capacity less than 75 cubic meters is subject to no provision of 40CFR60 Subpart Kb other than those required by the above paragraph.



STATE ONLY ENFORCEABLE CONDITIONS

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

Condition 1-49: Unavoidable noncompliance and violations

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-1.4

Item 1-49.1:

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

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

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

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

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air



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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 55: General Provisions

Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 55.1:

This section contains terms and conditions that are not federally enforceable and are not required under the Act or under any of its applicable requirements. Terms and conditions so designated are not subject to the requirements of Section 201-6.4 of Part 201.

Item 55.2:

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.

Item 55.3:

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.

Condition 1-50: Permit Exclusion Provisions

Effective between the dates of 02/04/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 1-50.1:

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 currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant 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 by the Department and the receipt thereof by the Applicant does not



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supercede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements contained in such order or modification thereof unless specifically intended by this permit.

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 the right of the Department to bring any future action, or pursue any pending action, either administrative or judicial, to required remediation, contribution for costs incurred or funds expended, for any violations, past, present or future, known or unknown, of applicable federal law, the ECL, or the rules and regulations promulgated thereunder, or conditions contained in any other licenses or permits issued to the Applicant and not addressed in this permit.

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 the right of the Department to pursue any claims for natural resource damages against the Applicant.

Condition 56: Emission Unit Definition
Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 56.1(From Mod 1):

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

Emission Unit: 0-00GAS End Date: 12/04/2001

Emission Unit Description:

This emission unit consists of a gasoline dispensing site containing one underground gasoline storage tank with a capacity of 4000 gallons and an average annual throughput of 30,000 gallons of gasoline. This dispensing site also contains a 1000 gallon propane tank and a 2000 gallon underground storage tank for diesel fuel with an average annual throughput of 41,700 gallons.

This emission unit has been expired. The applicable requirements for this gasoline dispensing site, specified under 6NYCRR230, were placed at the facility level in permit modification 1.

Item 56.2(From Mod 1):

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

Emission Unit: 0-0MAIN

Emission Unit Description:

This emission unit (EU) consists of three 38.2 MMBTU/hr boilers (Boiler Nos. 1, 3 and 4), one 38.5 MMBTU/hr boiler (Boiler No. 2) and one 33.5 MMBTU/hr boiler (Boiler No. 5), located in the existing Powerhouse, Building 68.

Only Boiler No. 5 is equipped with a low NOx burner.

Boiler Nos. 1,3,4 and 5 are dual fuel, able to burn either



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natural gas or No.2 fuel oil. Boiler No. 2 can burn only natural gas. Boiler Nos. 1-4 share a common stack (EP 00001) and Boiler 5 has a separate stack (EP 00002). The total maximum heat input of EU 0-0MAIN is 186.6 MMBTU/hr.

This modification will be conducted in two phases, which will include the shut down and removal of Boiler Nos. 1, 2, 3, and 4. Boiler No. 5 will be relocated to EU 0-MAIN1 and renamed Boiler No. 4A. Upon completion of Phase II, the removal and relocation of the boilers will be verified through inspection by a NYSDEC representative and this emission unit will expire.

Building(s): 68

Item 56.3(From Mod 1):

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

Emission Unit: 0-MAIN1

Emission Unit Description:

This emission unit (EU) consists of four dual fueled (natural gas and No. 2 fuel oil) boilers, equipped with low NOx burners. Three of these boilers, Boiler Nos. 1A, 2A, and 3A, will be newly constructed, with maximum design heat input capacities of 63.2 MMBTU/hr each. The fourth boiler will be Boiler No. 5 relocated from EU 0-0MAIN and renamed Boiler 4A. The boilers in EU 0-MAIN1 share a common stack, EP 0001A.

This Modification (Mod 1) will be carried out in two phases. Phase I will consist of the construction of EU 0-0MAIN1, which includes a new powerhouse, Building 68A, and three new low NOx boilers. During Phase I, the existing EU 0-0MAIN will provide steam and heat to the facility. During Phase II, Boiler No. 5 will be relocated from EU 0-0MAIN (Building 68) to EU 0-MAIN1 (Building 68A) and renamed Boiler No. 4A. In addition, Boiler Nos. 1, 2, 3, and 4 in EU 0-0MAIN will be shutdown, dismantled and removed. Steam and heat will be provided to the facility during Phase II by Boiler Nos. 1A, 2A, and 3A. At the completion of Phase II, Building 68 will continue to house several large emergency generators, fueled with No. 2 oil.

The total maximum heat input capacity of the boilers contained in both EU- 0-0MAIN and EU 0-MAIN1 during this modification will be 376.2 MMBTU/hr. When the boilers contained in EU 0-0MAIN are dismantled and removed or relocated, the total maximum heat input capacity of the



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boilers will be reduced to 223.1 MMBTU/hr, which will include only the four boilers (1A, 2A, 3A, and 4A) contained in EU 0-MAIN1.

In accordance with 40CFR52.21(b)(1)(i)(a), the major source applicability threshold for fossil fuel boilers (or combinations thereof) totaling more than 250 million British thermal units per hour heat input is 100 tpy or more for the PTE of PSD regulated contaminants. The attainment contaminants that exceed this threshold are SO₂ and CO, which will be capped at 99 tpy to avoid the requirements of PSD. To avoid the requirements of New Source Review (NSR), the PTE of NO_x will be limited to 99 tpy, also. These emission caps include all sources of NO_x, SO₂ and CO throughout the facility, including trivial and exempt activities.

Building(s): 68A

Item 56.4(From Mod 1):

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

Emission Unit: 0-TANKS

Emission Unit Description:

This emission unit (EU) consists of two (2) 20,000 gallon (75.71 cubic meters) storage tanks, which were installed at the C/GCF in 1997. These tanks supply No. 2 fuel oil to the boilers in EU 0-0MAIN and EU 0-MAIN1. This oil is also used to operate exempt sources in EU X-CMBST, including several large emergency generators located in Building 68 and one residential furnace. According to a Material Safety and Data Sheet for No. 2 fuel oil manufactured by the Marathon Petroleum Company, the vapor pressure of No. 2 fuel oil ranges from 1-100 mmHg (0.03 - 0.34 kPa) at 100 degrees Fahrenheit.

These tanks are currently located near the existing powerhouse, Building 68. The modification will include the relocation of these tanks to the new Powerhouse, Building 68A.

Item 56.5(From Mod 1):

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

Emission Unit: X-CMBST

Emission Unit Description:

This emission unit consists of stationary combustion sources which are listed as exempt under 6NYCRR201-3.2. These sources include twenty-seven small stationary or portable combustion sources (furnaces/heaters), each with



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a maximum heat input less than 10 MMBTU/hr, thirteen (10 small and 3 large) emergency generators, plus any future exempt combustion sources that may be installed. Two large generators, located in the old powerhouse (Building 68), are fueled with No. 2 fuel oil. The remaining generators are fueled with diesel. The emergency generators are limited to less than 500 hours per year of operation and have a collective maximum heat input capacity of 48.29 MMBTU/hr. Twenty six of the furnaces/heaters in EU X-CMBST are fired with natural gas, with a total maximum heat input capacity of 12.68 MMBTU/hr. The remaining furnace is fueled with No. 2 fuel oil and has a maximum heat input capacity of 1.56 MMBTU/hr. Any trivial activities that emit SO₂, CO and/or NO_x shall also be included in EU X-CMBST. Contaminants emitted from this emission unit include SO₂, CO, NO_x, PM, PM-10 and VOCs. Since the C/GCF has chosen to limit the facility's potential to emit (PTE) SO₂, CO and NO_x to 99 tpy or less to avoid the requirements of title V (SO₂, NO_x and CO), PSD (SO₂ and CO), NSR (NO_x) and NO_x RACT (NO_x), the emissions of each of these pollutants from EU X-CMBST must be included in the total facility emissions calculations to determine compliance with the respective emission CAPs.

Condition 57: Contaminant List
Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5.3(b)

Item 57.1:

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: 008006-61-9
Name: GASOLINE

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

CAS No: 0NY075-00-0
Name: PARTICULATES



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CAS No: 007446-09-5
Name: SULFUR DIOXIDE

CAS No: 0NY998-00-0
Name: VOC

Condition 58: Air pollution prohibited
Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 211.2

Item 58.1:

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 59: Emission Point Definition By Emission Unit
Effective between the dates of 10/17/2000 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 59.1(From Mod 1):

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

Emission Unit: 0-MAIN1

Emission Point: 0001A

Height (ft.): 105 Diameter (in.): 72
NYTMN (km.): 4711.2 NYTME (km.): 176.5 Building: 68A

Item 59.2(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.): 194 Diameter (in.): 113
NYTMN (km.): 4711.2 NYTME (km.): 176.5 Building: 68

Emission Point: 00002



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Emission Source/Control: 00B03 - Combustion
Design Capacity: 38.2 million Btu per hour

Emission Source/Control: 00B04 - Combustion
Design Capacity: 38.2 million Btu per hour

Emission Source/Control: 00B05 - Combustion
Design Capacity: 33.5 million Btu per hour

Emission Source/Control: CNTL5 - Control
Control Type: LOW NOx BURNER

Item 60.3(From Mod 1):

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

Emission Unit: 0-MAIN1

Process: NG1

Source Classification Code: 1-02-006-02

Process Description:

This process consists of the operation of any of the four boilers (1A, 2A, 3A, and/or 4A) at the new Powerhouse (Building 68A) with natural gas as the fuel.

Emission Source/Control: 0B01A - Combustion
Design Capacity: 63.2 million Btu per hour

Emission Source/Control: 0B02A - Combustion
Design Capacity: 63.2 million Btu per hour

Emission Source/Control: 0B03A - Combustion
Design Capacity: 63.2 million Btu per hour

Emission Source/Control: 0B04A - Combustion
Design Capacity: 33.5 million Btu per hour

Emission Source/Control: CTL1A - Control
Control Type: LOW NOx BURNER

Emission Source/Control: CTL2A - Control
Control Type: LOW NOx BURNER

Emission Source/Control: CTL3A - Control
Control Type: LOW NOx BURNER

Emission Source/Control: CTL4A - Control
Control Type: LOW NOx BURNER

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Item 60.4(From Mod 1):

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

Emission Unit: 0-MAIN1

Process: OL1

Source Classification Code: 1-02-005-02

Process Description:

This process consists of the operation of any of the four boilers: 1A, 2A, 3A, and/or 4A at the new Powerhouse (Building 68A), using 0.5% sulfur content or less No. 2 fuel oil.

Emission Source/Control: 0B01A - Combustion

Design Capacity: 63.2 million Btu per hour

Emission Source/Control: 0B02A - Combustion

Design Capacity: 63.2 million Btu per hour

Emission Source/Control: 0B03A - Combustion

Design Capacity: 63.2 million Btu per hour

Emission Source/Control: 0B04A - Combustion

Design Capacity: 33.5 million Btu per hour